

## FCC Test Report

**Report No.:** RF151116E02-3

**FCC ID:** WBV-AP250

**Test Model:** AP250

**Received Date:** Nov. 16, 2015

**Test Date:** Dec. 03, 2015 to Mar. 11, 2016

**Issued Date:** June 29, 2016

**Applicant:** Aerohive Networks 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   |
|---------------|-------------------|---------------|
| RF151116E02-3 | Original release. | June 29, 2016 |

## 1 Certificate of Conformity

**Product:** Access Point

**Brand:** Aerohive

**Test Model:** AP250

**Sample Status:** Engineer Sample (DVT2)

**Applicant:** Aerohive Networks Inc.

**Test Date:** Dec. 03, 2015 to Mar. 11, 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 29, 2016

Claire Kuan / Specialist

**Approved by :**



**Date:**

June 29, 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)(6)                                   | AC Power Conducted Emissions               | PASS   | Meet the requirement of limit.<br>Minimum passing margin is -5.28dB at 17.69141MHz.                                                                             |
| 15.407(b)<br>(1/2/3/4/6)                       | Radiated Emissions & Band Edge Measurement | PASS   | Meet the requirement of limit.<br>Minimum passing margin is -0.1dB at 5350.00MHz & 5420.00MHz & 5470.00MHz & 5725.00MHz & 5730.00MHz & 5870.00MHz & 5880.00MHz. |
| 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.                                                                                                      |

### 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      | Expended Uncertainty (k=2) (±) |
|------------------------------------|----------------|--------------------------------|
| Conducted Emissions at mains ports | 150kHz ~ 30MHz | 2.86 dB                        |
| Radiated Emissions up to 1 GHz     | 30MHz ~ 1GHz   | 5.37 dB                        |
| Radiated Emissions above 1 GHz     | 1GHz ~ 6GHz    | 3.65 dB                        |
|                                    | 6GHz ~ 18GHz   | 3.88 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 (DFS Band)

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product               | Access Point                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Brand                 | Aerohive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Test Model            | AP250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Status of EUT         | Engineer Sample (DVT2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Power Supply Rating   | 48Vdc or 55Vdc from POE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Modulation Type       | 64QAM, 16QAM, QPSK, BPSK for OFDM<br>256QAM for OFDM in 11ac mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Modulation Technology | OFDM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Transfer Rate         | 802.11a: up to 54Mbps<br>802.11n: up to 450Mbps<br>802.11ac: up to 1300Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Operating Frequency   | 5.26GHz ~ 5.32GHz, 5.5GHz ~ 5.72GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Number of Channel     | 16 for 802.11a, 802.11n (HT20), 802.11ac (VHT20)<br>8 for 802.11n (HT40), 802.11ac (VHT40)<br>4 for 802.11ac (VHT80)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Output Power          | <p><b>Radio 1</b></p> <p><b>5GHz (5.26 ~ 5.32GHz):</b></p> <p><b>3TX</b></p> <p><b>CDD Mode:</b> 199.289mW</p> <p><b>Beamforming Mode:</b> 98.669mW</p> <p><b>2TX</b></p> <p><b>CDD Mode:</b> 208.329mW</p> <p><b>Beamforming Mode:</b> 142.595mW</p> <p><b>1TX</b></p> <p>114.551mW</p> <p><b>5GHz (5.5 ~ 5.72GHz):</b></p> <p><b>3TX</b></p> <p><b>CDD Mode:</b> 197.175mW</p> <p><b>Beamforming Mode:</b> 98.682mW</p> <p><b>2TX</b></p> <p><b>CDD Mode:</b> 220.367mW</p> <p><b>Beamforming Mode:</b> 145.93mW</p> <p><b>1TX</b></p> <p>114.288mW</p> <p><b>Radio 2</b></p> <p><b>5GHz (5.26 ~ 5.32GHz):</b></p> <p><b>3TX</b></p> <p><b>CDD Mode:</b> 195.708mW</p> <p><b>Beamforming Mode:</b> 98.315mW</p> <p><b>2TX</b></p> <p><b>CDD Mode:</b> 227.816mW</p> <p><b>Beamforming Mode:</b> 130.76mW</p> <p><b>1TX</b></p> <p>145.211mW</p> <p><b>5GHz (5.5 ~ 5.72GHz):</b></p> <p><b>3TX</b></p> <p><b>CDD Mode:</b> 190.472mW</p> <p><b>Beamforming Mode:</b> 98.824mW</p> <p><b>2TX</b></p> <p><b>CDD Mode:</b> 229.934mW</p> <p><b>Beamforming Mode:</b> 142.222mW</p> <p><b>1TX</b></p> <p>133.968mW</p> |

|                     |               |
|---------------------|---------------|
| Antenna Type        | Refer to Note |
| Antenna Connector   | Refer to Note |
| Accessory Device    | Adapter x 1   |
| Data Cable Supplied | NA            |

Note:

1. This report is prepared for FCC class II permissive change. The difference compared with the Report No.: RF151116E02-1 design is as the following:
  - ◆ Add DFS band <5.26GHz ~ 5.32GHz, 5.5GHz ~ 5.72GHz>
2. According to above condition, all test items need to be performed. And all data were verified to meet the requirements.
3. The EUT has three radio transceivers, radio 1 is WLAN technologies for dual band (2.4GHz & 5GHz), radio 2 is WLAN technologies for single band (5GHz), and radio 3 is Bluetooth low energy (BLE) technology only.
4. The emission of the simultaneous operation (WLAN & BT) has been evaluated and no non-compliance was found.



5. The antennas provided to the EUT, please refer to the following table:

### Radio 1

#### WLAN - 2.4GHz + 5GHz

| Antenna NO. | Transmitter Circuit | Brand | Model No. | Ant. Gain (dBi) Including cable loss | Frequency Range (GHz)                                            | Antenna Type | Connector Type | Cable Loss(dB) | Cable Length |
|-------------|---------------------|-------|-----------|--------------------------------------|------------------------------------------------------------------|--------------|----------------|----------------|--------------|
| ANT1        | Chain (0)           | N/A   | XKAA-N08  | 5.14<br>5.41<br>5.02<br>5.25<br>5.13 | 2.4~2.4835<br>5.15~5.25<br>5.25~5.35<br>5.47~5.725<br>5.725~5.85 | PIFA         | i-pex (MHF)    | 0.21           | 54mm         |
| ANT2        | Chain (1)           | N/A   | XKAA-N08  | 4.28<br>4.82<br>5.16<br>5.14<br>5.31 | 2.4~2.4835<br>5.15~5.25<br>5.25~5.35<br>5.47~5.725<br>5.725~5.85 | PIFA         | i-pex (MHF)    | 0.19           | 49mm         |
| ANT3        | Chain (2)           | N/A   | XKAA-N08  | 2.80<br>5.25<br>5.46<br>5.37<br>5.65 | 2.4~2.4835<br>5.15~5.25<br>5.25~5.35<br>5.47~5.725<br>5.725~5.85 | PIFA         | i-pex (MHF)    | 0.39           | 101mm        |

### Radio 2

#### WLAN - 5GHz

| Antenna NO. | Transmitter Circuit | Brand | Model No. | Ant. Gain (dBi) Including cable loss | Frequency Range (GHz)                              | Antenna Type | Connector Type | Cable Loss(dB) | Cable Length |
|-------------|---------------------|-------|-----------|--------------------------------------|----------------------------------------------------|--------------|----------------|----------------|--------------|
| ANT5        | Chain (0)           | N/A   | XKAA-N08  | 5.32<br>5.78<br>5.26<br>5.3          | 5.15~5.25<br>5.25~5.35<br>5.47~5.725<br>5.725~5.85 | V-pol PIFA   | i-pex (MHF)    | 0.82           | 213mm        |
| ANT6        | Chain (1)           | N/A   | XKAA-N08  | 5.54<br>5.72<br>5.56<br>5.1          | 5.15~5.25<br>5.25~5.35<br>5.47~5.725<br>5.725~5.85 | V-pol PIFA   | i-pex (MHF)    | 0.25           | 66mm         |
| ANT7        | Chain (1)           | N/A   | XKAA-N08  | 5.24<br>6.38<br>5.36<br>5.27         | 5.15~5.25<br>5.25~5.35<br>5.47~5.725<br>5.725~5.85 | H-pol Dipole | i-pex (MHF)    | 0.58           | 150mm        |
| ANT8        | Chain (2)           | N/A   | XKAA-N08  | 4.88<br>4.27<br>4.84<br>5.19         | 5.15~5.25<br>5.25~5.35<br>5.47~5.725<br>5.725~5.85 | H-pol Dipole | i-pex (MHF)    | 0.77           | 201mm        |
| ANT9        | Chain (0)           | N/A   | XKAA-N08  | 4.41<br>4.55<br>4.79<br>4.87         | 5.15~5.25<br>5.25~5.35<br>5.47~5.725<br>5.725~5.85 | H-pol Dipole | i-pex (MHF)    | 0.73           | 190mm        |

### Radio 3

#### Bluetooth - 2.4GHz

|      |           |     |          |      |            |        |             |      |       |
|------|-----------|-----|----------|------|------------|--------|-------------|------|-------|
| ANT4 | Chain (0) | N/A | XKAA-N08 | 4.24 | 2.4~2.4835 | Dipole | i-pex (MHF) | 0.62 | 160mm |
|------|-----------|-----|----------|------|------------|--------|-------------|------|-------|

6. The EUT power needs to be supplied from POE(only for test), the information is as below table:

| No. | Brand      | Model No.       | Spec.                                                 |
|-----|------------|-----------------|-------------------------------------------------------|
| 1   | PowerDsine | PD-9001GR/AT/AC | Input: 100-240V, 0.67A, 50/60Hz<br>Output: 55V, 0.6A  |
| 2   | PowerDsine | PD-3501G/AC     | Input: 100-240V, 0.43A, 50/60Hz<br>Output: 48V, 0.35A |

For radiated emission above 1GHz test, the EUT was pre-tested with POE 1 & 2, the worst case was found in POE 1. Therefore only the test data of the POE 1 was recorded in this report.

7. The EUT incorporates a MIMO function.

| Radio 1             |                 |                       |     |
|---------------------|-----------------|-----------------------|-----|
| WLAN – 2.4GHz       |                 |                       |     |
| MODULATION MODE     | DATA RATE (MCS) | TX & RX CONFIGURATION |     |
| 802.11b             | 1 ~ 11Mbps      | 3TX                   | 3RX |
| 802.11g             | 6 ~ 54Mbps      | 3TX                   | 3RX |
| 802.11n (HT20)      | MCS 0~7         | 3TX                   | 3RX |
|                     | MCS 8~15        | 3TX                   | 3RX |
|                     | MCS 16~23       | 3TX                   | 3RX |
| VHT20               | MCS0~8 Nss=1    | 3TX                   | 3RX |
|                     | MCS0~8 Nss=2    | 3TX                   | 3RX |
|                     | MCS0~9 Nss=3    | 3TX                   | 3RX |
| Radio 1 and Radio 2 |                 |                       |     |
| WLAN – 5GHz         |                 |                       |     |
| MODULATION MODE     | DATA RATE (MCS) | TX & RX CONFIGURATION |     |
| 802.11a             | 6 ~ 54Mbps      | 3TX                   | 3RX |
| 802.11n (HT20)      | MCS 0~7         | 3TX                   | 3RX |
|                     | MCS 8~15        | 3TX                   | 3RX |
|                     | MCS 16~23       | 3TX                   | 3RX |
| 802.11n (HT40)      | MCS 0~7         | 3TX                   | 3RX |
|                     | MCS 8~15        | 3TX                   | 3RX |
|                     | MCS 16~23       | 3TX                   | 3RX |
| 802.11ac (VHT20)    | MCS0~8 Nss=1    | 3TX                   | 3RX |
|                     | MCS0~8 Nss=2    | 3TX                   | 3RX |
|                     | MCS0~9 Nss=3    | 3TX                   | 3RX |
| 802.11ac (VHT40)    | MCS0~9 Nss=1    | 3TX                   | 3RX |
|                     | MCS0~9 Nss=2    | 3TX                   | 3RX |
|                     | MCS0~9 Nss=3    | 3TX                   | 3RX |
| 802.11ac (VHT80)    | MCS0~9 Nss=1    | 3TX                   | 3RX |
|                     | MCS0~9 Nss=2    | 3TX                   | 3RX |
|                     | MCS0~8 Nss=3    | 3TX                   | 3RX |

Note. : 1. 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)  
2. All of modulation mode support beamforming function except 802.11a/b/g modulation.

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 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 ~ 5720MHz

12 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  | 144     | 5720 MHz  |

6 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  | 142     | 5710 MHz  |

3 channels are provided for 802.11ac (VHT80):

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

### 3.2.1 Test Mode Applicability and Tested Channel Detail

| EUT CONFIGURE MODE | APPLICABLE TO |       |     |      | DESCRIPTION                      |
|--------------------|---------------|-------|-----|------|----------------------------------|
|                    | RE≥1G         | RE<1G | PLC | APCM |                                  |
| 1                  | √             | √     | √   | √    | For Radio 1 with POE1(PD-9001GR) |
| 2                  | √             | √     | √   | √    | For Radio 2 with POE1(PD-9001GR) |
| 3                  | -             | √     | √   | -    | For Radio 1 with POE2(PD-3501G)  |
| 4                  | -             | √     | √   | -    | For Radio 2 with POE2(PD-3501G)  |

Where **RE≥1G**: Radiated Emission above 1GHz **RE<1G**: Radiated Emission below 1GHz  
**PLC**: Power Line Conducted Emission **APCM**: Antenna Port Conducted Measurement

#### NOTE:

- The EUT had been pre-tested on the positioned of each 2 axis. The worst case was following as below.
  - ◆ For the Radio 1 was found when positioned on X-plane.
  - ◆ For the Radio 2 (3TX) below 1GHz was found when positioned on X-plane and above 1GHz (ANT7, ANT8, ANT9) was found when positioned on X-plane.
  - ◆ For the Radio 2 (3TX) below 1GHz was found when positioned on X-plane and above 1GHz (ANT5, ANT6, ANT8) was found when positioned on Y-plane.
  - ◆ For the Radio 2 (2TX) below 1GHz was found when positioned on X-plane and above 1GHz (ANT7, ANT9) was found when positioned on X-plane.
  - ◆ For the Radio 2 (2TX) below 1GHz was found when positioned on X-plane and above 1GHz (ANT5, ANT6) was found when positioned on Y-plane.
  - ◆ For the Radio 2 (1TX) below 1GHz was found when positioned on X-plane and above 1GHz (ANT9) was found when positioned on X-plane.
  - ◆ For the Radio 2 (1TX) below 1GHz was found when positioned on X-plane and above 1GHz (ANT5) was found when positioned on Y-plane.
- "-" means no effect.

### 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.

| For Radio 1 : 3Tx Configuration |                      |                  |                   |                    |                       |                 |                  |
|---------------------------------|----------------------|------------------|-------------------|--------------------|-----------------------|-----------------|------------------|
| MODE                            | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         | CDD                  | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         | CDD                  | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |

| For Radio 1 : 2Tx Configuration |     |                      |                  |                   |                    |                       |                 |                  |
|---------------------------------|-----|----------------------|------------------|-------------------|--------------------|-----------------------|-----------------|------------------|
| MODE                            |     | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         | CDD | ANT2, ANT3           | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         | CDD | ANT1, ANT3           | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |
| For Radio 1 : 1Tx Configuration |     |                      |                  |                   |                    |                       |                 |                  |
| MODE                            |     | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         |     | ANT3                 | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         |     | ANT3                 | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |

### For Radio 2 : 3Tx Configuration

| MODE             | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
|------------------|----------------------|------------------|-------------------|--------------------|-----------------------|-----------------|------------------|
| 802.11a          | CDD                  | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40) |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80) |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a          |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40) |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80) |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a          | CDD                  | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40) |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80) |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |
| 802.11a          |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40) |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80) |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |

| For Radio 2 : 2Tx Configuration |     |                      |                  |                   |                    |                       |                 |                  |
|---------------------------------|-----|----------------------|------------------|-------------------|--------------------|-----------------------|-----------------|------------------|
| MODE                            |     | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         | CDD | ANT 7, ANT 9         | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         |     | ANT 5, ANT 6         |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         | CDD | ANT 7, ANT 9         | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |
| 802.11a                         |     | ANT 5, ANT 6         |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |

| For Radio 2 : 1Tx Configuration |                      |                  |                   |                    |                       |                 |                  |
|---------------------------------|----------------------|------------------|-------------------|--------------------|-----------------------|-----------------|------------------|
| MODE                            | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         | ANT 9                | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         | ANT 5                |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         | ANT 9                | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |
| 802.11a                         | ANT 5                |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |

#### **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.

| For Radio 1 : 3Tx Configuration |     |                      |                  |                   |                |                       |                 |                  |
|---------------------------------|-----|----------------------|------------------|-------------------|----------------|-----------------------|-----------------|------------------|
| MODE                            |     | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11ac (VHT40)                | CDD | ANT 1, ANT 2, ANT 3  | 5260-5320        | 54 to 62          | 54             | OFDM                  | BPSK            | 13.5             |
|                                 |     |                      | 5500-5720        | 100 to 144        |                |                       |                 |                  |
| For Radio 2 : 3Tx Configuration |     |                      |                  |                   |                |                       |                 |                  |
| MODE                            |     | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11ac (VHT40)                | CDD | ANT 7, ANT 8, ANT 9  | 5260-5320        | 54 to 62          | 54             | OFDM                  | BPSK            | 13.5             |
|                                 |     |                      | 5500-5720        | 100 to 144        |                |                       |                 |                  |



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

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

| For Radio 1 : 3Tx Configuration |     |                      |                  |                   |                |                       |                 |                  |
|---------------------------------|-----|----------------------|------------------|-------------------|----------------|-----------------------|-----------------|------------------|
| MODE                            |     | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11ac (VHT40)                | CDD | ANT 1, ANT 2, ANT 3  | 5260-5320        | 54 to 62          | 54             | OFDM                  | BPSK            | 13.5             |
|                                 |     |                      | 5500-5720        | 100 to 144        |                |                       |                 |                  |
| For Radio 2 : 3Tx Configuration |     |                      |                  |                   |                |                       |                 |                  |
| MODE                            |     | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11ac (VHT40)                | CDD | ANT 5, ANT 6, ANT 8  | 5260-5320        | 54 to 62          | 54             | OFDM                  | BPSK            | 13.5             |
|                                 |     |                      | 5500-5720        | 100 to 144        |                |                       |                 |                  |

### Transmit Power 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.

| For Radio 1 : 3Tx Configuration |      |                      |                    |                   |                |                       |                    |                  |
|---------------------------------|------|----------------------|--------------------|-------------------|----------------|-----------------------|--------------------|------------------|
| MODE                            |      | ANTENNA COMBINATIION | FREQ. BAND (MHz)   | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE    | DATA RATE (Mbps) |
| 802.11a                         | CDD  | ANT1, ANT2, ANT3     | 5260-5320          | 52 to 64          | 52, 60, 64     | OFDM                  | BPSK               | 6                |
| 802.11ac (VHT20)                |      |                      |                    | 52 to 64          | 52, 60, 64     | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40)                |      |                      |                    | 54 to 62          | 54, 62         | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80)                |      |                      |                    | 58                | 58             | OFDM                  | BPSK               | 29.3             |
| 802.11ac (VHT20)                | TxBF |                      |                    | 52 to 64          | 52, 60, 64     | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40)                |      |                      |                    | 54 to 62          | 54, 62         | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80)                |      |                      |                    | 58                | 58             | OFDM                  | BPSK               | 29.3             |
| 802.11a                         | CDD  |                      |                    | ANT1, ANT2, ANT3  | 5500-5720      | 100 to 144            | 100, 116, 140, 144 | OFDM             |
| 802.11ac (VHT20)                |      | 100 to 144           | 100, 116, 140, 144 |                   |                | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40)                |      | 102 to 142           | 102, 110, 134, 142 |                   |                | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80)                |      | 106 to 138           | 106, 122, 138      |                   |                | OFDM                  | BPSK               | 29.3             |
| 802.11ac (VHT20)                | TxBF | 100 to 144           | 100, 116, 140, 144 |                   |                | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40)                |      | 102 to 142           | 102, 110, 134, 142 |                   |                | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80)                |      | 106 to 138           | 106, 122, 138      |                   |                | OFDM                  | BPSK               | 29.3             |

| For Radio 1 : 2Tx Configuration |      |                      |                    |                   |                    |                       |                    |                  |
|---------------------------------|------|----------------------|--------------------|-------------------|--------------------|-----------------------|--------------------|------------------|
| MODE                            |      | ANTENNA COMBINATIION | FREQ. BAND (MHz)   | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE    | DATA RATE (Mbps) |
| 802.11a                         | CDD  | ANT 2, ANT 3         | 5260-5320          | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK               | 6                |
| 802.11ac (VHT20)                |      |                      |                    | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40)                |      |                      |                    | 54 to 62          | 54, 62             | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80)                |      |                      |                    | 58                | 58                 | OFDM                  | BPSK               | 29.3             |
| 802.11ac (VHT20)                | TxBF |                      |                    | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40)                |      |                      |                    | 54 to 62          | 54, 62             | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80)                |      |                      |                    | 58                | 58                 | OFDM                  | BPSK               | 29.3             |
| 802.11a                         | CDD  |                      |                    | ANT 1, ANT 3      | 5500-5720          | 100 to 144            | 100, 116, 140, 144 | OFDM             |
| 802.11ac (VHT20)                |      | 100 to 144           | 100, 116, 140, 144 |                   |                    | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40)                |      | 102 to 142           | 102, 110, 134, 142 |                   |                    | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80)                |      | 106 to 138           | 106, 122, 138      |                   |                    | OFDM                  | BPSK               | 29.3             |
| 802.11ac (VHT20)                | TxBF | 100 to 144           | 100, 116, 140, 144 |                   |                    | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40)                |      | 102 to 142           | 102, 110, 134, 142 |                   |                    | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80)                |      | 106 to 138           | 106, 122, 138      |                   |                    | OFDM                  | BPSK               | 29.3             |
| For Radio 1 : 1Tx Configuration |      |                      |                    |                   |                    |                       |                    |                  |
| MODE                            |      | ANTENNA COMBINATIION | FREQ. BAND (MHz)   | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE    | DATA RATE (Mbps) |
| 802.11a                         |      | ANT 3                | 5260-5320          | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK               | 6                |
| 802.11ac (VHT20)                |      |                      |                    | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40)                |      |                      |                    | 54 to 62          | 54, 62             | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80)                |      |                      |                    | 58                | 58                 | OFDM                  | BPSK               | 29.3             |
| 802.11a                         |      | ANT 3                | 5500-5720          | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK               | 6                |
| 802.11ac (VHT20)                |      |                      |                    | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40)                |      |                      |                    | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80)                |      |                      |                    | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK               | 29.3             |

### For Radio 2 : 3Tx Configuration

| For Radio 2 : 3Tx Configuration |      |                                           |                                           |                    |                    |                       |                 |                  |
|---------------------------------|------|-------------------------------------------|-------------------------------------------|--------------------|--------------------|-----------------------|-----------------|------------------|
| MODE                            |      | ANTENNA COMBINATIION                      | FREQ. BAND (MHz)                          | AVAILABL E CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         | CDD  | ANT 7, ANT 8, ANT 9 / ANT 5, ANT 6, ANT 8 | 5260-5320                                 | 52 to 64           | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |      |                                           |                                           | 52 to 64           | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |      |                                           |                                           | 54 to 62           | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |      |                                           |                                           | 58                 | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11ac (VHT20)                | TxBF |                                           | 52 to 64                                  | 52, 60, 64         | OFDM               | BPSK                  | 6.5             |                  |
| 802.11ac (VHT40)                |      |                                           | 54 to 62                                  | 54, 62             | OFDM               | BPSK                  | 13.5            |                  |
| 802.11ac (VHT80)                |      |                                           | 58                                        | 58                 | OFDM               | BPSK                  | 29.3            |                  |
| 802.11a                         | CDD  |                                           | ANT 7, ANT 8, ANT 9 / ANT 5, ANT 6, ANT 8 | 5500-5720          | 100 to 144         | 100, 116, 140, 144    | OFDM            | BPSK             |
| 802.11ac (VHT20)                |      | 100 to 144                                |                                           |                    | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |      | 102 to 142                                |                                           |                    | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |      | 106 to 138                                |                                           |                    | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |
| 802.11ac (VHT20)                | TxBF | 100 to 144                                |                                           | 100, 116, 140, 144 | OFDM               | BPSK                  | 6.5             |                  |
| 802.11ac (VHT40)                |      | 102 to 142                                |                                           | 102, 110, 134, 142 | OFDM               | BPSK                  | 13.5            |                  |
| 802.11ac (VHT80)                |      | 106 to 138                                |                                           | 106, 122, 138      | OFDM               | BPSK                  | 29.3            |                  |

### For Radio 2 : 2Tx Configuration

| MODE             |      | ANTENNA COMBINATIION           | FREQ. BAND (MHz)   | AVAILABLE CHANNEL              | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE    | DATA RATE (Mbps) |
|------------------|------|--------------------------------|--------------------|--------------------------------|----------------|-----------------------|--------------------|------------------|
| 802.11a          | CDD  | ANT 7, ANT 9 /<br>ANT 5, ANT 6 | 5260-5320          | 52 to 64                       | 52, 60, 64     | OFDM                  | BPSK               | 6                |
| 802.11ac (VHT20) |      |                                |                    | 52 to 64                       | 52, 60, 64     | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40) |      |                                |                    | 54 to 62                       | 54, 62         | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80) |      |                                |                    | 58                             | 58             | OFDM                  | BPSK               | 29.3             |
| 802.11ac (VHT20) | TxBF |                                |                    | 52 to 64                       | 52, 60, 64     | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40) |      |                                |                    | 54 to 62                       | 54, 62         | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80) |      |                                |                    | 58                             | 58             | OFDM                  | BPSK               | 29.3             |
| 802.11a          | CDD  |                                |                    | ANT 7, ANT 9 /<br>ANT 5, ANT 6 | 5500-5720      | 100 to 144            | 100, 116, 140, 144 | OFDM             |
| 802.11ac (VHT20) |      | 100 to 144                     | 100, 116, 140, 144 |                                |                | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40) |      | 102 to 142                     | 102, 110, 134, 142 |                                |                | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80) |      | 106 to 138                     | 106, 122, 138      |                                |                | OFDM                  | BPSK               | 29.3             |
| 802.11ac (VHT20) | TxBF | 100 to 144                     | 100, 116, 140, 144 |                                |                | OFDM                  | BPSK               | 6.5              |
| 802.11ac (VHT40) |      | 102 to 142                     | 102, 110, 134, 142 |                                |                | OFDM                  | BPSK               | 13.5             |
| 802.11ac (VHT80) |      | 106 to 138                     | 106, 122, 138      |                                |                | OFDM                  | BPSK               | 29.3             |

### For Radio 2 : 1Tx Configuration

| MODE             | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
|------------------|----------------------|------------------|-------------------|--------------------|-----------------------|-----------------|------------------|
| 802.11a          | ANT 9 / ANT 5        | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40) |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80) |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a          | ANT 9 / ANT 5        | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40) |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80) |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |

### Peak Power Spectral Density, 6dB Bandwidth 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.

| For Radio 1 : 3Tx Configuration |     |                      |                  |                   |                    |                       |                 |                  |
|---------------------------------|-----|----------------------|------------------|-------------------|--------------------|-----------------------|-----------------|------------------|
| MODE                            |     | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         | CDD | ANT 1, ANT 2, ANT 3  | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         | CDD | ANT 1, ANT 2, ANT 3  | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |
| For Radio 1 : 2Tx Configuration |     |                      |                  |                   |                    |                       |                 |                  |
| MODE                            |     | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         | CDD | ANT 2, ANT 3         | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         | CDD | ANT 1, ANT 3         | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |

| For Radio 1 : 1Tx Configuration |     |                                           |                  |                   |                    |                       |                 |                  |
|---------------------------------|-----|-------------------------------------------|------------------|-------------------|--------------------|-----------------------|-----------------|------------------|
| MODE                            |     | ANTENNA COMBINATIION                      | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         |     | ANT 3                                     | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                                           |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                                           |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                                           |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         |     | ANT 3                                     | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                                           |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                                           |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                                           |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |
| For Radio 2 : 3Tx Configuration |     |                                           |                  |                   |                    |                       |                 |                  |
| MODE                            |     | ANTENNA COMBINATIION                      | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         | CDD | ANT 7, ANT 8, ANT 9 / ANT 5, ANT 6, ANT 8 | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                                           |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                                           |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                                           |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         | CDD | ANT 7, ANT 8, ANT 9 / ANT 5, ANT 6, ANT 8 | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                                           |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                                           |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                                           |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |
| For Radio 2 : 2Tx Configuration |     |                                           |                  |                   |                    |                       |                 |                  |
| MODE                            |     | ANTENNA COMBINATIION                      | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
| 802.11a                         | CDD | ANT 7, ANT 9 / ANT 5, ANT 6               | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                                           |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                                           |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                                           |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a                         | CDD | ANT 7, ANT 9 / ANT 5, ANT 6               | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20)                |     |                                           |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40)                |     |                                           |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80)                |     |                                           |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |

### For Radio 2 : 1Tx Configuration

| MODE             | ANTENNA COMBINATIION | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL     | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
|------------------|----------------------|------------------|-------------------|--------------------|-----------------------|-----------------|------------------|
| 802.11a          | ANT 9 / ANT 5        | 5260-5320        | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      |                  | 52 to 64          | 52, 60, 64         | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40) |                      |                  | 54 to 62          | 54, 62             | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80) |                      |                  | 58                | 58                 | OFDM                  | BPSK            | 29.3             |
| 802.11a          | ANT 9 / ANT 5        | 5500-5720        | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      |                  | 100 to 144        | 100, 116, 140, 144 | OFDM                  | BPSK            | 6.5              |
| 802.11ac (VHT40) |                      |                  | 102 to 142        | 102, 110, 134, 142 | OFDM                  | BPSK            | 13.5             |
| 802.11ac (VHT80) |                      |                  | 106 to 138        | 106, 122, 138      | OFDM                  | BPSK            | 29.3             |

### Test Condition:

| APPLICABLE TO | ENVIRONMENTAL CONDITIONS | INPUT POWER  | TESTED BY    |
|---------------|--------------------------|--------------|--------------|
| RE≥1G         | 26deg. C, 69%RH          | 120Vac, 60Hz | Weiwei Lo    |
|               | 19deg. C, 63%RH          | 120Vac, 60Hz | Robet Cheng  |
|               | 25deg. C, 65%RH          | 120Vac, 60Hz | Tim Ho       |
| RE<1G         | 25deg. C, 65%RH          | 120Vac, 60Hz | Nelson Teng  |
| PLC           | 20deg. C, 61%RH          | 120Vac, 60Hz | Eagle Chen   |
| APCM          | 25deg. C, 61%RH          | 120Vac, 60Hz | Robert Cheng |



### 3.3 Duty Cycle of Test Signal

If duty cycle of test signal is  $\geq 98\%$ , duty factor is not required.

If duty cycle of test signal is  $< 98\%$ , duty factor shall be considered.

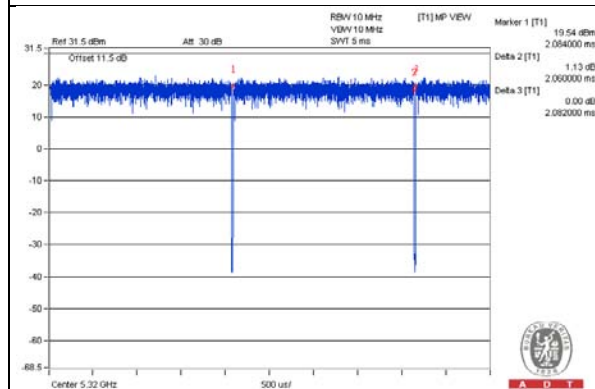
**802.11a:** Duty cycle =  $2.06 \text{ ms} / 2.082 \text{ ms} = 0.989$

**802.11ac (VHT20):** Duty cycle =  $1.926 \text{ ms} / 1.946 \text{ ms} = 0.99$

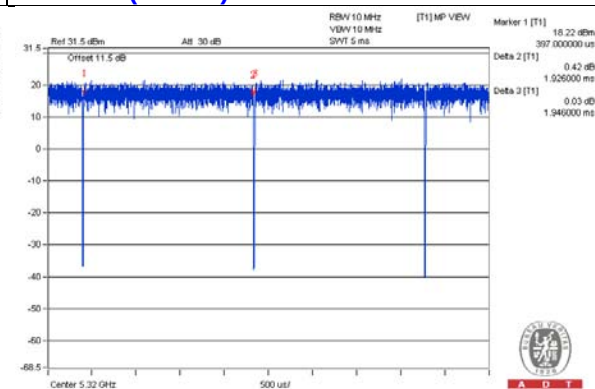
**802.11ac (VHT40):** Duty cycle =  $0.952 \text{ ms} / 0.971 \text{ ms} = 0.98$

**802.11ac (VHT80):** Duty cycle =  $0.46 \text{ ms} / 0.479 \text{ ms} = 0.96$ , Duty factor =  $10 * \log(1/0.96) = 0.18$

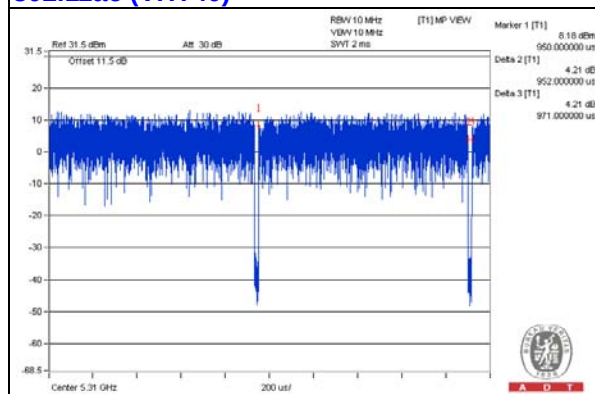
**802.11a**



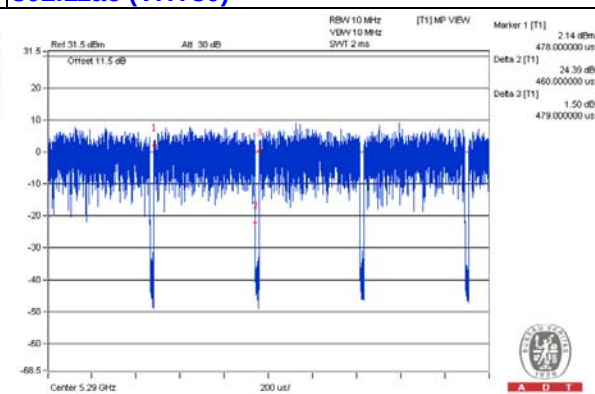
**802.11ac (VHT20)**



**802.11ac (VHT40)**



**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. | iPod shuffle      | Apple      | MC749TA/A       | CC4DN25WDFDM | NA      | Provided by Lab    |
| B. | POE               | PowerDsine | PD-9001GR/AT/AC | NA           | NA      | Supplied by Client |
|    |                   |            | PD-3501G/AC     | NA           | NA      | Supplied by Client |
| C. | NOTEBOOK COMPUTER | DELL       | E5440           | 6FC7F12      | FCC DoC | Provided by Lab    |
| D. | NOTEBOOK COMPUTER | DELL       | E5430           | GM1SKV1      | FCC DoC | Provided by Lab    |
| E. | Flash Disk        | SanDisk    | SDCZ50-008G     | NA           | NA      | Supplied by Client |

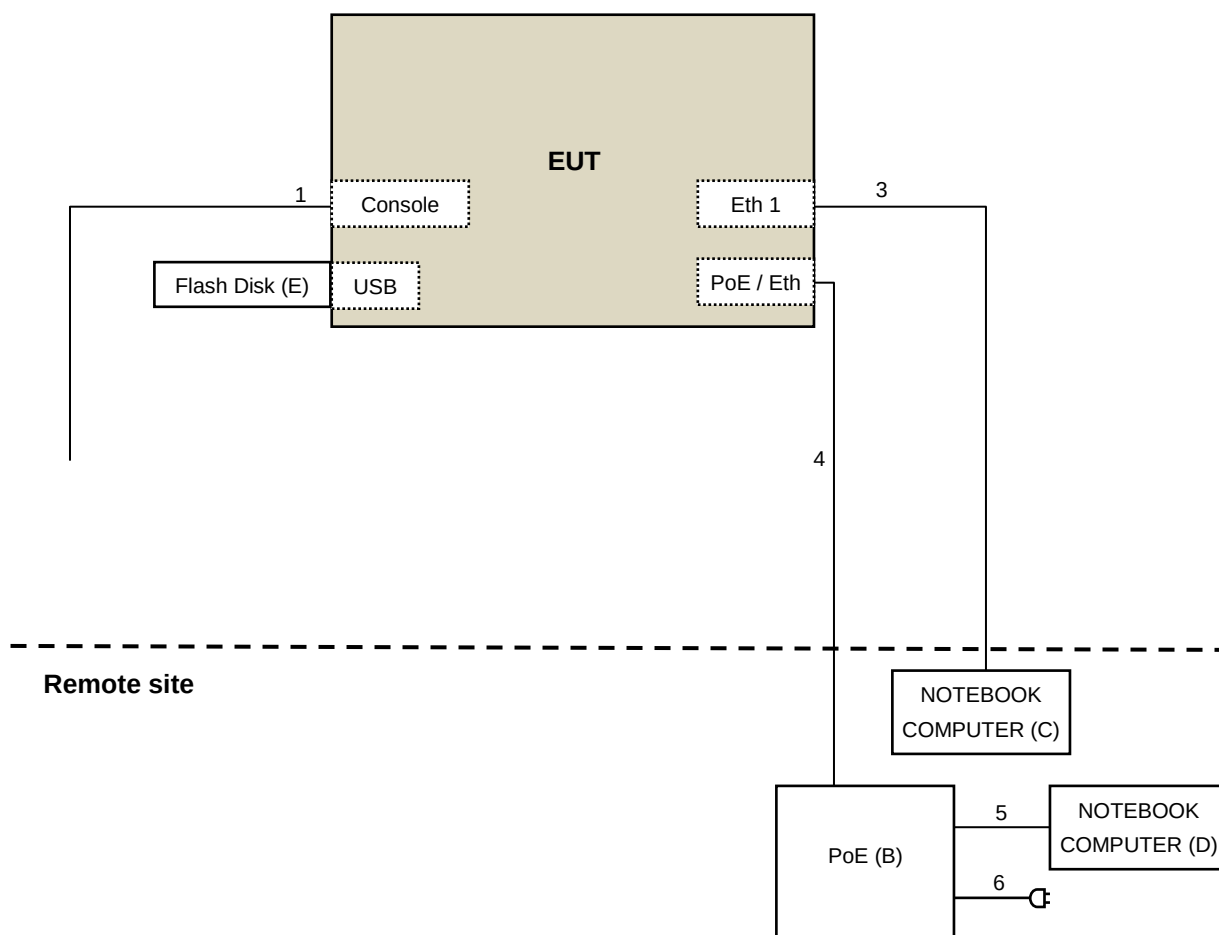
Note:

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

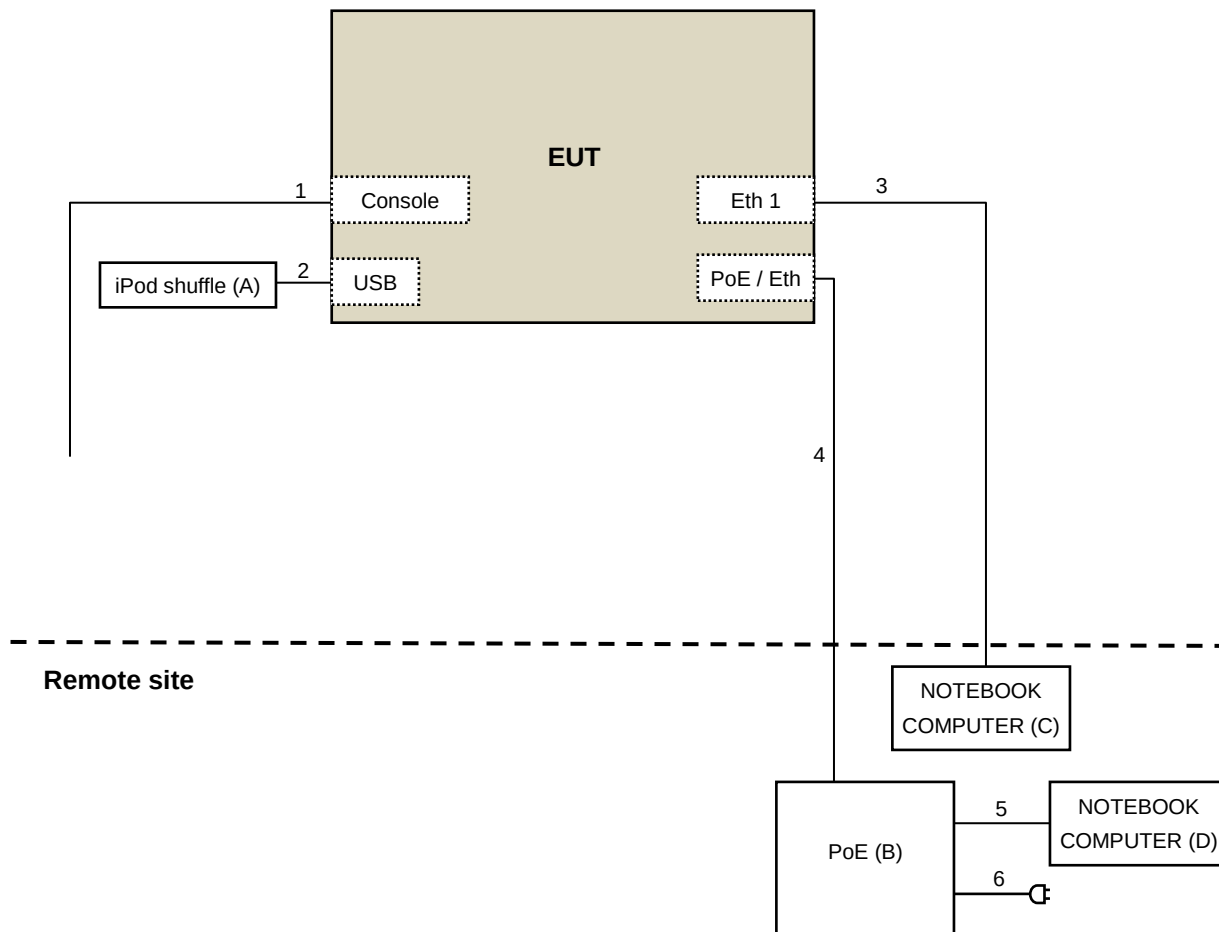
| ID | Descriptions  | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks         |
|----|---------------|------|------------|--------------------|--------------|-----------------|
| 1. | RJ45 to RJ232 | 1    | 1.5        | No                 | 0            | Provided by Lab |
| 2. | USB           | 1    | 0.1        | Yes                | 0            | Provided by Lab |
| 3. | UTP RJ45      | 1    | 10         | No                 | 0            | Provided by Lab |
| 4. | UTP RJ45      | 1    | 10         | No                 | 0            | Provided by Lab |
| 5. | UTP RJ45      | 1    | 1.8        | No                 | 0            | Provided by Lab |
| 6. | AC            | 1    | 1.8        | No                 | 0            | Provided by Lab |

### 3.4.1 Configuration of System under Test

**For conducted emission test:**



For other test items:



### 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 v01r01**

**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 v01r01 | FIELD STRENGTH AT 3m                                             |                                                                  |
|                                                         | PK:74 (dBuV/m)                                                   | AV:54 (dBuV/m)                                                   |
| APPLICABLE TO                                           | EIRP LIMIT                                                       | EQUIVALENT FIELD STRENGTH AT 3m                                  |
| 15.407(b)(1)                                            | PK:-27 (dBm/MHz)                                                 | PK:68.2(dBuV/m)                                                  |
| 15.407(b)(2)                                            |                                                                  |                                                                  |
| 15.407(b)(3)                                            |                                                                  |                                                                  |
| 15.407(b)(4)                                            | PK:-27 (dBm/MHz) <sup>*1</sup><br>PK:-17 (dBm/MHz) <sup>*2</sup> | PK: 68.2(dBuV/m) <sup>*1</sup><br>PK:78.2 (dBuV/m) <sup>*2</sup> |

**NOTE:** <sup>\*1</sup> beyond 10MHz of the band edge <sup>\*2</sup> within 10 MHz of band edge

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

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

#### 4.1.2 Test Instruments

##### For radio 1 test:

| DESCRIPTION & MANUFACTURER                     | MODEL NO.                                                               | SERIAL NO.                    | CALIBRATED DATE | CALIBRATED UNTIL |
|------------------------------------------------|-------------------------------------------------------------------------|-------------------------------|-----------------|------------------|
| Test Receiver<br>Agilent                       | N9038A                                                                  | MY54450088                    | July 24, 2015   | July 23, 2016    |
| Pre-Amplifier <sup>(*)</sup><br>EMCI           | EMC001340                                                               | 980142                        | Jan. 20, 2016   | Jan. 19, 2018    |
| Loop Antenna <sup>(*)</sup><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-01                    | Nov. 11, 2015   | Nov. 10, 2016    |
| Trilog Broadband Antenna<br>SCHWARZBECK        | VULB 9168                                                               | 9168-406                      | Jan. 04, 2016   | Jan. 03, 2017    |
| RF Cable                                       | 8D                                                                      | 966-4-1<br>966-4-2<br>966-4-3 | Apr. 03, 2015   | Apr. 02, 2016    |
| Horn_Antenna<br>SCHWARZBECK                    | BBHA 9120D                                                              | 9120D-783                     | Jan. 19, 2016   | Jan. 18, 2017    |
| Pre-Amplifier<br>Agilent                       | 8449B                                                                   | 3008A01922                    | Sep. 19, 2015   | Sep. 18, 2016    |
| RF Cable                                       | EMC104-SM-<br>SM-2000<br>EMC104-SM-<br>SM-5000<br>EMC104-SM-<br>SM-5000 | 150318<br>150323<br>150324    | Mar. 31, 2015   | Mar. 30, 2016    |
| Pre-Amplifier<br>EMCI                          | EMC184045                                                               | 980143                        | Jan. 15, 2016   | Jan. 14, 2017    |
| Horn_Antenna<br>SCHWARZBECK                    | BBHA 9170                                                               | BBHA9170608                   | Jan. 08, 2016   | Jan. 07, 2017    |
| RF Cable                                       | SUCOFLEX<br>102                                                         | 36432/2<br>36441/2            | Jan. 16, 2016   | Jan. 15, 2017    |
| Software                                       | ADT_Radiated<br>_V8.7.07                                                | NA                            | NA              | NA               |
| Antenna Tower & Turn Table<br>CT               | NA                                                                      | NA                            | NA              | NA               |
| Boresight Antenna Fixture                      | NA                                                                      | NA                            | NA              | NA               |
| Power Meter<br>Anritsu                         | ML2495A                                                                 | 1014008                       | Apr. 28, 2015   | Apr. 27, 2016    |
| Power Sensor<br>Anritsu                        | MA2411B                                                                 | 0917122                       | Apr. 28, 2015   | Apr. 27, 2016    |
| Temperature & Humidity<br>Chamber<br>TERCHY    | MHU-225AU                                                               | 911033                        | Dec. 03, 2015   | Dec. 02, 2016    |
| Spectrum Analyzer<br>R&S                       | FSP40                                                                   | 100060                        | May 08, 2015    | May 07, 2016     |

**Note:**

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 4.
3. The FCC Site Registration No. is 292998
4. The CANADA Site Registration No. is 20331-2
5. Tested Date: Mar. 01 to 08, 2016
- 6.



**For radio 2 test:**
**2T (Ant 7, 9 / Ant 5, 6), 1T(Ant 5)**

| DESCRIPTION & MANUFACTURER                     | MODEL NO.                                                               | SERIAL NO.                    | CALIBRATED DATE | CALIBRATED UNTIL |
|------------------------------------------------|-------------------------------------------------------------------------|-------------------------------|-----------------|------------------|
| Test Receiver<br>Agilent                       | N9038A                                                                  | MY50010156                    | Aug. 12, 2015   | Aug. 11, 2016    |
| Pre-Amplifier <sup>(*)</sup><br>EMCI           | EMC001340                                                               | 980142                        | Jan. 13, 2014   | Jan. 12, 2016    |
| Loop Antenna <sup>(*)</sup><br>Electro-Metrics | EM-6879                                                                 | 264                           | Dec. 16, 2014   | Dec. 15, 2016    |
| RF Cable                                       | NA                                                                      | LOOPCAB-001<br>LOOPCAB-002    | Jan. 18, 2015   | Jan. 17, 2016    |
| Pre-Amplifier<br>Mini-Circuits                 | ZFL-1000VH2<br>B                                                        | AMP-ZFL-07                    | May 08, 2015    | May 07, 2016     |
| Trilog Broadband Antenna<br>SCHWARZBECK        | VULB 9168                                                               | 138                           | Jan. 18, 2016   | Jan. 17, 2017    |
| RF Cable                                       | 8D                                                                      | 966-3-1<br>966-3-2<br>966-3-3 | Apr. 03, 2015   | Apr. 02, 2016    |
| Horn_Antenna<br>SCHWARZBECK                    | BBHA9120-D                                                              | 9120D-406                     | Jan. 20, 2016   | Jan. 19, 2017    |
| Pre-Amplifier<br>Agilent                       | 8449B                                                                   | 3008A02465                    | Apr. 06, 2015   | Apr. 05, 2016    |
| RF Cable                                       | EMC104-SM-<br>SM-2000<br>EMC104-SM-<br>SM-5000<br>EMC104-SM-<br>SM-5000 | 150317<br>150321<br>150322    | Mar. 31, 2015   | Mar. 30, 2016    |
| Spectrum Analyzer<br>Keysight                  | N9030A                                                                  | MY54490520                    | July 26, 2015   | July 25, 2016    |
| Pre-Amplifier<br>EMCI                          | EMC184045                                                               | 980143                        | Jan. 15, 2016   | Jan. 14, 2017    |
| Horn_Antenna<br>SCHWARZBECK                    | BBHA 9170                                                               | BBHA9170608                   | Jan. 08, 2016   | Jan. 07, 2017    |
| RF Cable                                       | SUCOFLEX<br>102                                                         | 36432/2<br>36441/2            | Jan. 16, 2016   | Jan. 15, 2017    |
| Software                                       | ADT_Radiated<br>_V8.7.07                                                | NA                            | NA              | NA               |
| Antenna Tower & Turn Table<br>CT               | NA                                                                      | NA                            | NA              | NA               |
| Boresight Antenna Fixture                      | NA                                                                      | NA                            | NA              | NA               |
| Power Meter<br>Anritsu                         | ML2495A                                                                 | 1014008                       | Apr. 28, 2015   | Apr. 27, 2016    |
| Power Sensor<br>Anritsu                        | MA2411B                                                                 | 0917122                       | Apr. 28, 2015   | Apr. 27, 2016    |
| Temperature & Humidity<br>Chamber<br>TERCHY    | MHU-225AU                                                               | 911033                        | Dec. 03, 2015   | Dec. 02, 2016    |
| Spectrum Analyzer<br>R&S                       | FSP40                                                                   | 100060                        | May 08, 2015    | May 07, 2016     |

**Note:**

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 3.
3. The FCC Site Registration No. is 147459
4. The CANADA Site Registration No. is 20331-1
5. Tested Date: Dec. 03, 2015 to Jan. 05, 2016

**3T (Ant 7, 8, 9 / Ant 5, 6, 8), 1T(Ant 9)**

| DESCRIPTION & MANUFACTURER                     | MODEL NO.                                                               | SERIAL NO.                    | CALIBRATED DATE | CALIBRATED UNTIL |
|------------------------------------------------|-------------------------------------------------------------------------|-------------------------------|-----------------|------------------|
| Test Receiver<br>Agilent                       | N9038A                                                                  | MY50010156                    | Aug. 12, 2015   | Aug. 11, 2016    |
| Pre-Amplifier <sup>(*)</sup><br>EMCI           | EMC001340                                                               | 980142                        | Jan. 20, 2016   | Jan. 19, 2018    |
| Loop Antenna <sup>(*)</sup><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-07                    | May 08, 2015    | May 07, 2016     |
| Trilog Broadband Antenna<br>SCHWARZBECK        | VULB 9168                                                               | 138                           | Jan. 18, 2016   | Jan. 17, 2017    |
| RF Cable                                       | 8D                                                                      | 966-3-1<br>966-3-2<br>966-3-3 | Apr. 03, 2015   | Apr. 02, 2016    |
| Horn_Antenna<br>SCHWARZBECK                    | BBHA9120-D                                                              | 9120D-406                     | Jan. 20, 2016   | Jan. 19, 2017    |
| Pre-Amplifier<br>Agilent                       | 8449B                                                                   | 3008A02465                    | Apr. 06, 2015   | Apr. 05, 2016    |
| RF Cable                                       | EMC104-SM-<br>SM-2000<br>EMC104-SM-<br>SM-5000<br>EMC104-SM-<br>SM-5000 | 150317<br>150321<br>150322    | Mar. 31, 2015   | Mar. 30, 2016    |
| Spectrum Analyzer<br>Keysight                  | N9030A                                                                  | MY54490520                    | July 26, 2015   | July 25, 2016    |
| Pre-Amplifier<br>EMCI                          | EMC184045                                                               | 980143                        | Jan. 15, 2016   | Jan. 14, 2017    |
| Horn_Antenna<br>SCHWARZBECK                    | BBHA 9170                                                               | BBHA9170608                   | Jan. 08, 2016   | Jan. 07, 2017    |
| RF Cable                                       | SUCOFLEX<br>102                                                         | 36432/2<br>36441/2            | Jan. 16, 2016   | Jan. 15, 2017    |
| Software                                       | ADT_Radiated<br>_V8.7.07                                                | NA                            | NA              | NA               |
| Antenna Tower & Turn Table<br>CT               | NA                                                                      | NA                            | NA              | NA               |
| Boresight Antenna Fixture                      | NA                                                                      | NA                            | NA              | NA               |
| Power Meter<br>Anritsu                         | ML2495A                                                                 | 1014008                       | Apr. 28, 2015   | Apr. 27, 2016    |
| Power Sensor<br>Anritsu                        | MA2411B                                                                 | 0917122                       | Apr. 28, 2015   | Apr. 27, 2016    |
| Temperature & Humidity<br>Chamber<br>TERCHY    | MHU-225AU                                                               | 911033                        | Dec. 03, 2015   | Dec. 02, 2016    |
| Spectrum Analyzer<br>R&S                       | FSP40                                                                   | 100060                        | May 08, 2015    | May 07, 2016     |

**Note:**

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 3.
3. The FCC Site Registration No. is 147459
4. The CANADA Site Registration No. is 20331-1
5. Tested Date: Mar. 10 to 11, 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. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

**Note:**

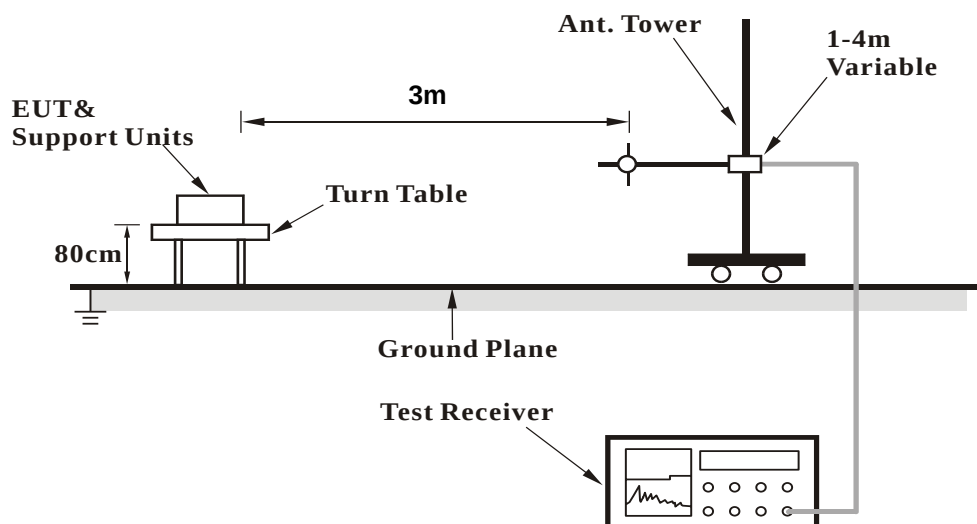
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 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 ( $10 \log(1/\text{duty cycle})$ ).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle  $\geq 98\%$ ) 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

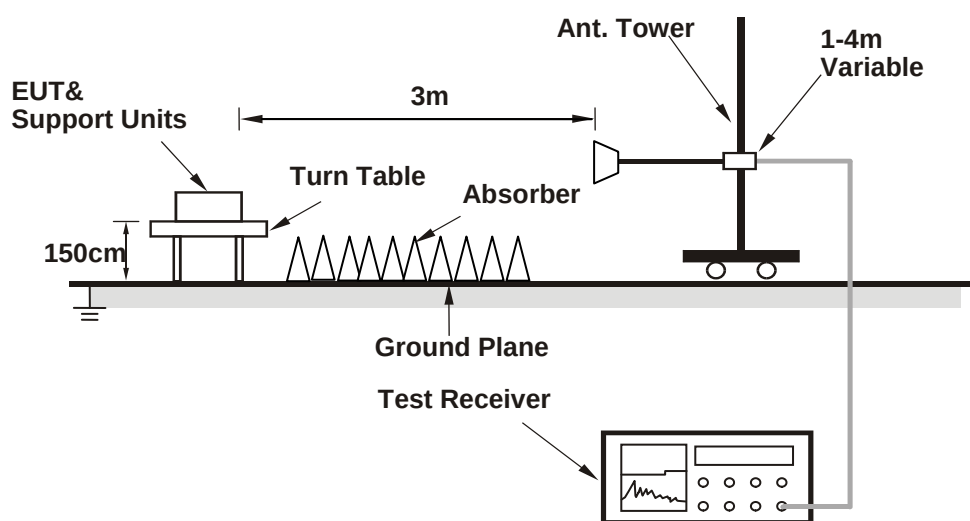
No deviation.

#### 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

1. Placed the EUT on testing table.
2. Connect the EUT with the support unit C (Notebook Computer) which is placed in a remote area.
3. The communication partner run test program "Mtool.exe[ver 2.0.2.8]" to enable EUT under transmission/receiving condition continuously at specific channel frequency.

#### 4.1.7 Test Results (Mode 1)

##### ABOVE 1GHz DATA :

##### 3TX

##### ANT1, ANT2, ANT3

##### 802.11a

|                 |               |                   |              |
|-----------------|---------------|-------------------|--------------|
| CHANNEL         | TX Channel 52 | DETECTOR FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 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                                                   | 5100.00     | 50.8 PK                 | 74.0           | -23.2       | 1.66 H             | 31                   | 50.13            | 0.67                     |
| 2                                                   | 5100.00     | 41.0 AV                 | 54.0           | -13.0       | 1.66 H             | 31                   | 40.33            | 0.67                     |
| 3                                                   | *5260.00    | 108.6 PK                |                |             | 1.47 H             | 83                   | 107.45           | 1.15                     |
| 4                                                   | *5260.00    | 97.9 AV                 |                |             | 1.47 H             | 83                   | 96.75            | 1.15                     |
| 5                                                   | 5420.00     | 58.5 PK                 | 74.0           | -15.5       | 1.84 H             | 65                   | 57.15            | 1.35                     |
| 6                                                   | 5420.00     | 42.7 AV                 | 54.0           | -11.3       | 1.84 H             | 65                   | 41.35            | 1.35                     |
| 7                                                   | #10520.00   | 57.0 PK                 | 74.0           | -17.0       | 1.14 H             | 226                  | 45.75            | 11.25                    |
| 8                                                   | #10520.00   | 45.5 AV                 | 54.0           | -8.5        | 1.14 H             | 226                  | 34.25            | 11.25                    |
| 9                                                   | 15780.00    | 56.9 PK                 | 74.0           | -17.1       | 1.00 H             | 58                   | 44.65            | 12.25                    |
| 10                                                  | 15780.00    | 45.3 AV                 | 54.0           | -8.7        | 1.00 H             | 58                   | 33.05            | 12.25                    |
| 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                                                   | 5100.00     | 59.8 PK                 | 74.0           | -14.2       | 2.82 V             | 360                  | 59.13            | 0.67                     |
| 2                                                   | 5100.00     | 50.4 AV                 | 54.0           | -3.6        | 2.82 V             | 360                  | 49.73            | 0.67                     |
| 3                                                   | *5260.00    | 116.3 PK                |                |             | 2.82 V             | 5                    | 115.15           | 1.15                     |
| 4                                                   | *5260.00    | 106.7 AV                |                |             | 2.82 V             | 5                    | 105.55           | 1.15                     |
| 5                                                   | 5420.00     | 61.2 PK                 | 74.0           | -12.8       | 3.00 V             | 183                  | 59.85            | 1.35                     |
| 6                                                   | 5420.00     | 52.4 AV                 | 54.0           | -1.6        | 3.00 V             | 183                  | 51.05            | 1.35                     |
| 7                                                   | #10520.00   | 58.4 PK                 | 74.0           | -15.6       | 2.08 V             | 166                  | 47.15            | 11.25                    |
| 8                                                   | #10520.00   | 43.7 AV                 | 54.0           | -10.3       | 2.08 V             | 166                  | 32.45            | 11.25                    |
| 9                                                   | 15780.00    | 59.6 PK                 | 74.0           | -14.4       | 2.10 V             | 325                  | 47.35            | 12.25                    |
| 10                                                  | 15780.00    | 47.2 AV                 | 54.0           | -6.8        | 2.10 V             | 325                  | 34.95            | 12.25                    |

#### 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   | 5140.00        | 58.7 PK                       | 74.0              | -15.3          | 1.73 H                   | 63                         | 57.93                  | 0.77                           |
| 2   | 5140.00        | 43.3 AV                       | 54.0              | -10.7          | 1.73 H                   | 63                         | 42.53                  | 0.77                           |
| 3   | *5300.00       | 108.8 PK                      |                   |                | 1.53 H                   | 60                         | 107.53                 | 1.27                           |
| 4   | *5300.00       | 98.1 AV                       |                   |                | 1.53 H                   | 60                         | 96.83                  | 1.27                           |
| 5   | 5460.00        | 51.1 PK                       | 74.0              | -22.9          | 1.64 H                   | 33                         | 49.66                  | 1.44                           |
| 6   | 5460.00        | 41.2 AV                       | 54.0              | -12.8          | 1.64 H                   | 33                         | 39.76                  | 1.44                           |
| 7   | 10600.00       | 57.0 PK                       | 74.0              | -17.0          | 1.17 H                   | 222                        | 45.36                  | 11.64                          |
| 8   | 10600.00       | 45.8 AV                       | 54.0              | -8.2           | 1.17 H                   | 222                        | 34.16                  | 11.64                          |
| 9   | 15900.00       | 56.9 PK                       | 74.0              | -17.1          | 1.00 H                   | 78                         | 44.43                  | 12.47                          |
| 10  | 15900.00       | 45.2 AV                       | 54.0              | -8.8           | 1.00 H                   | 78                         | 32.73                  | 12.47                          |

**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   | 5140.00        | 59.8 PK                       | 74.0              | -14.2          | 3.00 V                   | 0                          | 59.03                  | 0.77                           |
| 2   | 5140.00        | 50.8 AV                       | 54.0              | -3.2           | 3.00 V                   | 0                          | 50.03                  | 0.77                           |
| 3   | *5300.00       | 116.7 PK                      |                   |                | 3.00 V                   | 179                        | 115.43                 | 1.27                           |
| 4   | *5300.00       | 107.0 AV                      |                   |                | 3.00 V                   | 179                        | 105.73                 | 1.27                           |
| 5   | 5460.00        | 60.9 PK                       | 74.0              | -13.1          | 2.82 V                   | 0                          | 59.46                  | 1.44                           |
| 6   | 5460.00        | 51.7 AV                       | 54.0              | -2.3           | 2.82 V                   | 0                          | 50.26                  | 1.44                           |
| 7   | 10600.00       | 58.5 PK                       | 74.0              | -15.5          | 2.03 V                   | 149                        | 46.86                  | 11.64                          |
| 8   | 10600.00       | 44.2 AV                       | 54.0              | -9.8           | 2.03 V                   | 149                        | 32.56                  | 11.64                          |
| 9   | 15900.00       | 58.8 PK                       | 74.0              | -15.2          | 2.06 V                   | 334                        | 46.33                  | 12.47                          |
| 10  | 15900.00       | 46.3 AV                       | 54.0              | -7.7           | 2.06 V                   | 334                        | 33.83                  | 12.47                          |

**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       | 108.8 PK                      |                   |                | 1.51 H                   | 69                         | 107.52                 | 1.28                           |
| 2   | *5320.00       | 98.3 AV                       |                   |                | 1.51 H                   | 69                         | 97.02                  | 1.28                           |
| 3   | 5400.00        | 50.6 PK                       | 74.0              | -23.4          | 1.69 H                   | 26                         | 49.29                  | 1.31                           |
| 4   | 5400.00        | 40.7 AV                       | 54.0              | -13.3          | 1.69 H                   | 26                         | 39.39                  | 1.31                           |
| 5   | #5480.00       | 58.8 PK                       | 74.0              | -15.2          | 1.68 H                   | 74                         | 57.33                  | 1.47                           |
| 6   | #5480.00       | 43.5 AV                       | 54.0              | -10.5          | 1.68 H                   | 74                         | 42.03                  | 1.47                           |
| 7   | 10640.00       | 56.8 PK                       | 74.0              | -17.2          | 1.18 H                   | 224                        | 45.12                  | 11.68                          |
| 8   | 10640.00       | 45.5 AV                       | 54.0              | -8.5           | 1.18 H                   | 224                        | 33.82                  | 11.68                          |
| 9   | 15960.00       | 56.7 PK                       | 74.0              | -17.3          | 1.00 H                   | 92                         | 44.25                  | 12.45                          |
| 10  | 15960.00       | 45.2 AV                       | 54.0              | -8.8           | 1.00 H                   | 92                         | 32.75                  | 12.45                          |

**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       | 117.1 PK                      |                   |                | 2.60 V                   | 178                        | 115.82                 | 1.28                           |
| 2   | *5320.00       | 107.0 AV                      |                   |                | 2.60 V                   | 178                        | 105.72                 | 1.28                           |
| 3   | 5400.00        | 63.2 PK                       | 74.0              | -10.8          | 2.99 V                   | 319                        | 61.89                  | 1.31                           |
| 4   | 5400.00        | 52.0 AV                       | 54.0              | -2.0           | 2.99 V                   | 319                        | 50.69                  | 1.31                           |
| 5   | #5480.00       | 61.9 PK                       | 74.0              | -12.1          | 2.99 V                   | 314                        | 60.43                  | 1.47                           |
| 6   | #5480.00       | 51.9 AV                       | 54.0              | -2.1           | 2.99 V                   | 314                        | 50.43                  | 1.47                           |
| 7   | 10640.00       | 58.2 PK                       | 74.0              | -15.8          | 2.09 V                   | 160                        | 46.52                  | 11.68                          |
| 8   | 10640.00       | 43.9 AV                       | 54.0              | -10.1          | 2.09 V                   | 160                        | 32.22                  | 11.68                          |
| 9   | 15960.00       | 59.2 PK                       | 74.0              | -14.8          | 2.08 V                   | 306                        | 46.75                  | 12.45                          |
| 10  | 15960.00       | 47.0 AV                       | 54.0              | -7.0           | 2.08 V                   | 306                        | 34.55                  | 12.45                          |

**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 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   | #5340.00       | 50.5 PK                       | 74.0              | -23.5          | 1.69 H                   | 65                         | 49.21                  | 1.29                           |
| 2   | #5340.00       | 40.7 AV                       | 54.0              | -13.3          | 1.69 H                   | 65                         | 39.41                  | 1.29                           |
| 3   | 5420.00        | 58.4 PK                       | 74.0              | -15.6          | 1.78 H                   | 57                         | 57.05                  | 1.35                           |
| 4   | 5420.00        | 42.8 AV                       | 54.0              | -11.2          | 1.78 H                   | 57                         | 41.45                  | 1.35                           |
| 5   | *5500.00       | 106.5 PK                      |                   |                | 1.50 H                   | 70                         | 104.99                 | 1.51                           |
| 6   | *5500.00       | 97.6 AV                       |                   |                | 1.50 H                   | 70                         | 96.09                  | 1.51                           |
| 7   | #5729.00       | 51.9 PK                       | 74.0              | -22.1          | 1.59 H                   | 106                        | 49.95                  | 1.95                           |
| 8   | #5729.00       | 41.5 AV                       | 54.0              | -12.5          | 1.59 H                   | 106                        | 39.55                  | 1.95                           |
| 9   | 11000.00       | 57.7 PK                       | 74.0              | -16.3          | 1.08 H                   | 232                        | 44.66                  | 13.04                          |
| 10  | 11000.00       | 45.7 AV                       | 54.0              | -8.3           | 1.08 H                   | 232                        | 32.66                  | 13.04                          |
| 11  | #16500.00      | 57.5 PK                       | 74.0              | -16.5          | 1.07 H                   | 87                         | 42.23                  | 15.27                          |
| 12  | #16500.00      | 46.0 AV                       | 54.0              | -8.0           | 1.07 H                   | 87                         | 30.73                  | 15.27                          |

**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   | #5340.00       | 61.1 PK                       | 74.0              | -12.9          | 2.82 V                   | 169                        | 59.81                  | 1.29                           |
| 2   | #5340.00       | 50.9 AV                       | 54.0              | -3.1           | 2.82 V                   | 169                        | 49.61                  | 1.29                           |
| 3   | 5420.00        | 60.7 PK                       | 74.0              | -13.3          | 2.81 V                   | 169                        | 59.35                  | 1.35                           |
| 4   | 5420.00        | 51.5 AV                       | 54.0              | -2.5           | 2.81 V                   | 169                        | 50.15                  | 1.35                           |
| 5   | *5500.00       | 115.1 PK                      |                   |                | 2.82 V                   | 193                        | 113.59                 | 1.51                           |
| 6   | *5500.00       | 106.6 AV                      |                   |                | 2.82 V                   | 193                        | 105.09                 | 1.51                           |
| 7   | #5729.00       | 60.9 PK                       | 74.0              | -13.1          | 2.37 V                   | 180                        | 58.95                  | 1.95                           |
| 8   | #5729.00       | 52.2 AV                       | 54.0              | -1.8           | 2.37 V                   | 180                        | 50.25                  | 1.95                           |
| 9   | 11000.00       | 58.1 PK                       | 74.0              | -15.9          | 2.06 V                   | 166                        | 45.06                  | 13.04                          |
| 10  | 11000.00       | 43.7 AV                       | 54.0              | -10.3          | 2.06 V                   | 166                        | 30.66                  | 13.04                          |
| 11  | #16500.00      | 59.2 PK                       | 74.0              | -14.8          | 2.06 V                   | 319                        | 43.93                  | 15.27                          |
| 12  | #16500.00      | 47.3 AV                       | 54.0              | -6.7           | 2.06 V                   | 319                        | 32.03                  | 15.27                          |

**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   | 5420.00        | 58.3 PK                       | 74.0              | -15.7          | 1.74 H                   | 58                         | 56.95                  | 1.35                           |
| 2   | 5420.00        | 42.4 AV                       | 54.0              | -11.6          | 1.74 H                   | 58                         | 41.05                  | 1.35                           |
| 3   | *5580.00       | 107.1 PK                      |                   |                | 1.48 H                   | 55                         | 105.44                 | 1.66                           |
| 4   | *5580.00       | 97.1 AV                       |                   |                | 1.48 H                   | 55                         | 95.44                  | 1.66                           |
| 5   | #5740.00       | 51.7 PK                       | 74.0              | -22.3          | 1.60 H                   | 116                        | 49.74                  | 1.96                           |
| 6   | #5740.00       | 41.1 AV                       | 54.0              | -12.9          | 1.60 H                   | 116                        | 39.14                  | 1.96                           |
| 7   | 11160.00       | 57.8 PK                       | 74.0              | -16.2          | 1.05 H                   | 247                        | 44.98                  | 12.82                          |
| 8   | 11160.00       | 46.0 AV                       | 54.0              | -8.0           | 1.05 H                   | 247                        | 33.18                  | 12.82                          |
| 9   | #16740.00      | 57.4 PK                       | 74.0              | -16.6          | 1.01 H                   | 82                         | 41.41                  | 15.99                          |
| 10  | #16740.00      | 45.6 AV                       | 54.0              | -8.4           | 1.01 H                   | 82                         | 29.61                  | 15.99                          |

**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   | 5420.00        | 60.5 PK                       | 74.0              | -13.5          | 2.98 V                   | 176                        | 59.15                  | 1.35                           |
| 2   | 5420.00        | 51.6 AV                       | 54.0              | -2.4           | 2.98 V                   | 176                        | 50.25                  | 1.35                           |
| 3   | *5580.00       | 115.9 PK                      |                   |                | 2.81 V                   | 129                        | 114.24                 | 1.66                           |
| 4   | *5580.00       | 106.3 AV                      |                   |                | 2.81 V                   | 129                        | 104.64                 | 1.66                           |
| 5   | #5740.00       | 61.4 PK                       | 74.0              | -12.6          | 2.85 V                   | 176                        | 59.44                  | 1.96                           |
| 6   | #5740.00       | 51.3 AV                       | 54.0              | -2.7           | 2.85 V                   | 176                        | 49.34                  | 1.96                           |
| 7   | 11160.00       | 58.6 PK                       | 74.0              | -15.4          | 2.03 V                   | 156                        | 45.78                  | 12.82                          |
| 8   | 11160.00       | 44.1 AV                       | 54.0              | -9.9           | 2.03 V                   | 156                        | 31.28                  | 12.82                          |
| 9   | #16740.00      | 59.7 PK                       | 74.0              | -14.3          | 2.03 V                   | 313                        | 43.71                  | 15.99                          |
| 10  | #16740.00      | 47.8 AV                       | 54.0              | -6.2           | 2.03 V                   | 313                        | 31.81                  | 15.99                          |

**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   | #5225.00       | 50.1 PK                       | 74.0              | -23.9          | 1.68 H                   | 79                         | 49.07                  | 1.03                           |
| 2   | #5225.00       | 40.3 AV                       | 54.0              | -13.7          | 1.68 H                   | 79                         | 39.27                  | 1.03                           |
| 3   | *5700.00       | 107.9 PK                      |                   |                | 1.49 H                   | 48                         | 106.01                 | 1.89                           |
| 4   | *5700.00       | 97.7 AV                       |                   |                | 1.49 H                   | 48                         | 95.81                  | 1.89                           |
| 5   | #5725.00       | 58.6 PK                       | 74.0              | -15.4          | 1.79 H                   | 46                         | 56.67                  | 1.93                           |
| 6   | #5725.00       | 43.0 AV                       | 54.0              | -11.0          | 1.79 H                   | 46                         | 41.07                  | 1.93                           |
| 7   | #5780.00       | 51.7 PK                       | 74.0              | -22.3          | 1.56 H                   | 92                         | 49.64                  | 2.06                           |
| 8   | #5780.00       | 41.5 AV                       | 54.0              | -12.5          | 1.56 H                   | 92                         | 39.44                  | 2.06                           |
| 9   | 11400.00       | 58.2 PK                       | 74.0              | -15.8          | 1.11 H                   | 262                        | 45.32                  | 12.88                          |
| 10  | 11400.00       | 46.3 AV                       | 54.0              | -7.7           | 1.11 H                   | 262                        | 33.42                  | 12.88                          |
| 11  | #17100.00      | 57.3 PK                       | 74.0              | -16.7          | 1.00 H                   | 76                         | 39.99                  | 17.31                          |
| 12  | #17100.00      | 45.8 AV                       | 54.0              | -8.2           | 1.00 H                   | 76                         | 28.49                  | 17.31                          |

**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   | #5225.00       | 55.1 PK                       | 74.0              | -18.9          | 2.66 V                   | 126                        | 54.07                  | 1.03                           |
| 2   | #5225.00       | 49.6 AV                       | 54.0              | -4.4           | 2.66 V                   | 126                        | 48.57                  | 1.03                           |
| 3   | *5700.00       | 116.0 PK                      |                   |                | 3.01 V                   | 178                        | 114.11                 | 1.89                           |
| 4   | *5700.00       | 106.4 AV                      |                   |                | 3.01 V                   | 178                        | 104.51                 | 1.89                           |
| 5   | #5725.00       | 69.5 PK                       | 74.0              | -4.5           | 2.76 V                   | 178                        | 67.57                  | 1.93                           |
| 6   | #5725.00       | 51.8 AV                       | 54.0              | -2.2           | 2.76 V                   | 178                        | 49.87                  | 1.93                           |
| 7   | #5780.00       | 62.8 PK                       | 74.0              | -11.2          | 2.76 V                   | 176                        | 60.74                  | 2.06                           |
| 8   | #5780.00       | 50.7 AV                       | 54.0              | -3.3           | 2.76 V                   | 176                        | 48.64                  | 2.06                           |
| 9   | 11400.00       | 59.0 PK                       | 74.0              | -15.0          | 2.03 V                   | 163                        | 46.12                  | 12.88                          |
| 10  | 11400.00       | 44.6 AV                       | 54.0              | -9.4           | 2.03 V                   | 163                        | 31.72                  | 12.88                          |
| 11  | #17100.00      | 59.4 PK                       | 74.0              | -14.6          | 1.98 V                   | 301                        | 42.09                  | 17.31                          |
| 12  | #17100.00      | 47.5 AV                       | 54.0              | -6.5           | 1.98 V                   | 301                        | 30.19                  | 17.31                          |

**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 144 | <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   | #5243.00       | 52.1 PK                       | 74.0              | -21.9          | 1.61 H                   | 80                         | 51.01                  | 1.09                           |
| 2   | #5243.00       | 41.9 AV                       | 54.0              | -12.1          | 1.61 H                   | 80                         | 40.81                  | 1.09                           |
| 3   | *5720.00       | 109.7 PK                      |                   |                | 1.65 H                   | 48                         | 107.78                 | 1.92                           |
| 4   | *5720.00       | 98.6 AV                       |                   |                | 1.65 H                   | 48                         | 96.68                  | 1.92                           |
| 5   | #5880.00       | 58.5 PK                       | 74.0              | -15.5          | 1.82 H                   | 43                         | 56.36                  | 2.14                           |
| 6   | #5880.00       | 42.9 AV                       | 54.0              | -11.1          | 1.82 H                   | 43                         | 40.76                  | 2.14                           |
| 7   | 11440.00       | 58.0 PK                       | 74.0              | -16.0          | 1.12 H                   | 275                        | 45.13                  | 12.87                          |
| 8   | 11440.00       | 46.1 AV                       | 54.0              | -7.9           | 1.12 H                   | 275                        | 33.23                  | 12.87                          |
| 9   | #17160.00      | 56.8 PK                       | 74.0              | -17.2          | 1.09 H                   | 62                         | 39.41                  | 17.39                          |
| 10  | #17160.00      | 45.6 AV                       | 54.0              | -8.4           | 1.09 H                   | 62                         | 28.21                  | 17.39                          |

**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   | #5243.00       | 51.7 PK                       | 74.0              | -22.3          | 2.41 V                   | 27                         | 50.61                  | 1.09                           |
| 2   | #5243.00       | 46.3 AV                       | 54.0              | -7.7           | 2.41 V                   | 27                         | 45.21                  | 1.09                           |
| 3   | *5720.00       | 118.0 PK                      |                   |                | 2.54 V                   | 76                         | 116.08                 | 1.92                           |
| 4   | *5720.00       | 107.3 AV                      |                   |                | 2.54 V                   | 76                         | 105.38                 | 1.92                           |
| 5   | #5880.00       | 62.4 PK                       | 74.0              | -11.7          | 2.54 V                   | 75                         | 60.21                  | 2.14                           |
| 6   | #5880.00       | 52.6 AV                       | 54.0              | -1.4           | 2.54 V                   | 75                         | 50.46                  | 2.14                           |
| 7   | 11440.00       | 59.6 PK                       | 74.0              | -14.4          | 1.99 V                   | 148                        | 46.73                  | 12.87                          |
| 8   | 11440.00       | 45.1 AV                       | 54.0              | -8.9           | 1.99 V                   | 148                        | 32.23                  | 12.87                          |
| 9   | #17160.00      | 59.3 PK                       | 74.0              | -14.7          | 1.95 V                   | 309                        | 41.91                  | 17.39                          |
| 10  | #17160.00      | 47.2 AV                       | 54.0              | -6.8           | 1.95 V                   | 309                        | 29.81                  | 17.39                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| 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                                                   | 5100.00        | 59.0 PK                       | 74.0              | -15.0          | 1.87 H                   | 65                         | 58.33                  | 0.67                           |
| 2                                                   | 5100.00        | 43.0 AV                       | 54.0              | -11.0          | 1.87 H                   | 65                         | 42.33                  | 0.67                           |
| 3                                                   | *5260.00       | 108.6 PK                      |                   |                | 1.66 H                   | 88                         | 107.45                 | 1.15                           |
| 4                                                   | *5260.00       | 98.6 AV                       |                   |                | 1.66 H                   | 88                         | 97.45                  | 1.15                           |
| 5                                                   | 5420.00        | 50.9 PK                       | 74.0              | -23.1          | 1.71 H                   | 45                         | 49.55                  | 1.35                           |
| 6                                                   | 5420.00        | 40.9 AV                       | 54.0              | -13.1          | 1.71 H                   | 45                         | 39.55                  | 1.35                           |
| 7                                                   | #10520.00      | 57.0 PK                       | 74.0              | -17.0          | 1.11 H                   | 235                        | 45.75                  | 11.25                          |
| 8                                                   | #10520.00      | 45.6 AV                       | 54.0              | -8.4           | 1.11 H                   | 235                        | 34.35                  | 11.25                          |
| 9                                                   | 15780.00       | 56.8 PK                       | 74.0              | -17.2          | 1.00 H                   | 57                         | 44.55                  | 12.25                          |
| 10                                                  | 15780.00       | 45.0 AV                       | 54.0              | -9.0           | 1.00 H                   | 57                         | 32.75                  | 12.25                          |

| 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                                                 | 5100.00        | 61.0 PK                       | 74.0              | -13.0          | 3.14 V                   | 181                        | 60.33                  | 0.67                           |
| 2                                                 | 5100.00        | 51.2 AV                       | 54.0              | -2.8           | 3.14 V                   | 181                        | 50.53                  | 0.67                           |
| 3                                                 | *5260.00       | 116.0 PK                      |                   |                | 2.88 V                   | 181                        | 114.85                 | 1.15                           |
| 4                                                 | *5260.00       | 106.3 AV                      |                   |                | 2.88 V                   | 181                        | 105.15                 | 1.15                           |
| 5                                                 | 5420.00        | 61.4 PK                       | 74.0              | -12.6          | 2.88 V                   | 180                        | 60.05                  | 1.35                           |
| 6                                                 | 5420.00        | 52.0 AV                       | 54.0              | -2.0           | 2.88 V                   | 180                        | 50.65                  | 1.35                           |
| 7                                                 | #10520.00      | 58.5 PK                       | 74.0              | -15.5          | 2.05 V                   | 190                        | 47.25                  | 11.25                          |
| 8                                                 | #10520.00      | 44.0 AV                       | 54.0              | -10.0          | 2.05 V                   | 190                        | 32.75                  | 11.25                          |
| 9                                                 | 15780.00       | 56.9 PK                       | 74.0              | -17.1          | 2.07 V                   | 340                        | 44.65                  | 12.25                          |
| 10                                                | 15780.00       | 45.8 AV                       | 54.0              | -8.2           | 2.07 V                   | 340                        | 33.55                  | 12.25                          |

## 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   | 5130.00        | 59.1 PK                       | 74.0              | -14.9          | 1.85 H                   | 55                         | 58.36                  | 0.74                           |
| 2   | 5130.00        | 43.2 AV                       | 54.0              | -10.8          | 1.85 H                   | 55                         | 42.46                  | 0.74                           |
| 3   | *5300.00       | 109.0 PK                      |                   |                | 1.65 H                   | 76                         | 107.73                 | 1.27                           |
| 4   | *5300.00       | 98.8 AV                       |                   |                | 1.65 H                   | 76                         | 97.53                  | 1.27                           |
| 5   | 5380.00        | 50.4 PK                       | 74.0              | -23.6          | 1.77 H                   | 34                         | 49.10                  | 1.30                           |
| 6   | 5380.00        | 40.6 AV                       | 54.0              | -13.4          | 1.77 H                   | 34                         | 39.30                  | 1.30                           |
| 7   | 10600.00       | 57.2 PK                       | 74.0              | -16.8          | 1.12 H                   | 232                        | 45.56                  | 11.64                          |
| 8   | 10600.00       | 45.6 AV                       | 54.0              | -8.4           | 1.12 H                   | 232                        | 33.96                  | 11.64                          |
| 9   | 15900.00       | 56.7 PK                       | 74.0              | -17.3          | 1.00 H                   | 66                         | 44.23                  | 12.47                          |
| 10  | 15900.00       | 44.9 AV                       | 54.0              | -9.1           | 1.00 H                   | 66                         | 32.43                  | 12.47                          |

**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   | 5130.00        | 61.6 PK                       | 74.0              | -12.4          | 3.10 V                   | 181                        | 60.86                  | 0.74                           |
| 2   | 5130.00        | 51.3 AV                       | 54.0              | -2.7           | 3.10 V                   | 181                        | 50.56                  | 0.74                           |
| 3   | *5300.00       | 116.3 PK                      |                   |                | 3.19 V                   | 180                        | 115.03                 | 1.27                           |
| 4   | *5300.00       | 106.3 AV                      |                   |                | 3.19 V                   | 180                        | 105.03                 | 1.27                           |
| 5   | 5380.00        | 63.1 PK                       | 74.0              | -10.9          | 2.97 V                   | 179                        | 61.80                  | 1.30                           |
| 6   | 5380.00        | 52.0 AV                       | 54.0              | -2.0           | 2.97 V                   | 179                        | 50.70                  | 1.30                           |
| 7   | 10600.00       | 59.1 PK                       | 74.0              | -14.9          | 2.07 V                   | 186                        | 47.46                  | 11.64                          |
| 8   | 10600.00       | 44.8 AV                       | 54.0              | -9.2           | 2.07 V                   | 186                        | 33.16                  | 11.64                          |
| 9   | 15900.00       | 57.6 PK                       | 74.0              | -16.4          | 2.04 V                   | 331                        | 45.13                  | 12.47                          |
| 10  | 15900.00       | 46.6 AV                       | 54.0              | -7.4           | 2.04 V                   | 331                        | 34.13                  | 12.47                          |

**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       | 108.0 PK                      |                   |                | 1.71 H                   | 72                         | 106.72                 | 1.28                           |
| 2   | *5320.00       | 98.2 AV                       |                   |                | 1.71 H                   | 72                         | 96.92                  | 1.28                           |
| 3   | 5350.00        | 58.6 PK                       | 74.0              | -15.4          | 1.88 H                   | 54                         | 57.30                  | 1.30                           |
| 4   | 5350.00        | 42.9 AV                       | 54.0              | -11.1          | 1.88 H                   | 54                         | 41.60                  | 1.30                           |
| 5   | 5400.00        | 51.2 PK                       | 74.0              | -22.8          | 1.74 H                   | 49                         | 49.89                  | 1.31                           |
| 6   | 5400.00        | 40.9 AV                       | 54.0              | -13.1          | 1.74 H                   | 49                         | 39.59                  | 1.31                           |
| 7   | #5480.00       | 59.5 PK                       | 74.0              | -14.5          | 1.92 H                   | 66                         | 58.03                  | 1.47                           |
| 8   | #5480.00       | 43.2 AV                       | 54.0              | -10.8          | 1.92 H                   | 66                         | 41.73                  | 1.47                           |
| 9   | 10640.00       | 56.8 PK                       | 74.0              | -17.2          | 1.07 H                   | 234                        | 45.12                  | 11.68                          |
| 10  | 10640.00       | 45.5 AV                       | 54.0              | -8.5           | 1.07 H                   | 234                        | 33.82                  | 11.68                          |
| 11  | 15960.00       | 56.5 PK                       | 74.0              | -17.5          | 1.00 H                   | 62                         | 44.05                  | 12.45                          |
| 12  | 15960.00       | 45.0 AV                       | 54.0              | -9.0           | 1.00 H                   | 62                         | 32.55                  | 12.45                          |

#### 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       | 117.8 PK                      |                   |                | 2.73 V                   | 178                        | 116.52                 | 1.28                           |
| 2   | *5320.00       | 107.4 AV                      |                   |                | 2.73 V                   | 178                        | 106.12                 | 1.28                           |
| 3   | 5350.00        | 69.9 PK                       | 74.0              | -4.1           | 2.58 V                   | 128                        | 68.60                  | 1.30                           |
| 4   | 5350.00        | 49.3 AV                       | 54.0              | -4.7           | 2.58 V                   | 128                        | 48.00                  | 1.30                           |
| 5   | 5400.00        | 62.6 PK                       | 74.0              | -11.4          | 2.85 V                   | 178                        | 61.29                  | 1.31                           |
| 6   | 5400.00        | 49.8 AV                       | 54.0              | -4.2           | 2.85 V                   | 178                        | 48.49                  | 1.31                           |
| 7   | #5480.00       | 61.8 PK                       | 74.0              | -12.2          | 1.00 V                   | 253                        | 60.33                  | 1.47                           |
| 8   | #5480.00       | 51.9 AV                       | 54.0              | -2.1           | 1.00 V                   | 253                        | 50.43                  | 1.47                           |
| 9   | 10640.00       | 58.8 PK                       | 74.0              | -15.2          | 2.07 V                   | 198                        | 47.12                  | 11.68                          |
| 10  | 10640.00       | 44.1 AV                       | 54.0              | -9.9           | 2.07 V                   | 198                        | 32.42                  | 11.68                          |
| 11  | 15960.00       | 57.6 PK                       | 74.0              | -16.4          | 2.05 V                   | 321                        | 45.15                  | 12.45                          |
| 12  | 15960.00       | 46.3 AV                       | 54.0              | -7.7           | 2.05 V                   | 321                        | 33.85                  | 12.45                          |

#### 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 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   | #5340.00       | 50.8 PK                       | 74.0              | -23.2          | 1.78 H                   | 33                         | 49.51                  | 1.29                           |
| 2   | #5340.00       | 40.5 AV                       | 54.0              | -13.5          | 1.78 H                   | 33                         | 39.21                  | 1.29                           |
| 3   | 5420.00        | 58.4 PK                       | 74.0              | -15.6          | 1.91 H                   | 53                         | 57.05                  | 1.35                           |
| 4   | 5420.00        | 42.7 AV                       | 54.0              | -11.3          | 1.91 H                   | 53                         | 41.35                  | 1.35                           |
| 5   | *5500.00       | 109.6 PK                      |                   |                | 1.77 H                   | 60                         | 108.09                 | 1.51                           |
| 6   | *5500.00       | 98.6 AV                       |                   |                | 1.77 H                   | 60                         | 97.09                  | 1.51                           |
| 7   | 11000.00       | 56.5 PK                       | 74.0              | -17.5          | 1.08 H                   | 245                        | 43.46                  | 13.04                          |
| 8   | 11000.00       | 45.1 AV                       | 54.0              | -8.9           | 1.08 H                   | 245                        | 32.06                  | 13.04                          |
| 9   | #16500.00      | 56.8 PK                       | 74.0              | -17.2          | 1.00 H                   | 73                         | 41.53                  | 15.27                          |
| 10  | #16500.00      | 45.1 AV                       | 54.0              | -8.9           | 1.00 H                   | 73                         | 29.83                  | 15.27                          |

**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   | #5340.00       | 61.2 PK                       | 74.0              | -12.8          | 2.63 V                   | 178                        | 59.91                  | 1.29                           |
| 2   | #5340.00       | 51.4 AV                       | 54.0              | -2.6           | 2.63 V                   | 178                        | 50.11                  | 1.29                           |
| 3   | 5420.00        | 61.8 PK                       | 74.0              | -12.2          | 2.67 V                   | 176                        | 60.45                  | 1.35                           |
| 4   | 5420.00        | 51.3 AV                       | 54.0              | -2.7           | 2.67 V                   | 176                        | 49.95                  | 1.35                           |
| 5   | *5500.00       | 116.8 PK                      |                   |                | 2.66 V                   | 177                        | 115.29                 | 1.51                           |
| 6   | *5500.00       | 106.3 AV                      |                   |                | 2.66 V                   | 177                        | 104.79                 | 1.51                           |
| 7   | 11000.00       | 58.7 PK                       | 74.0              | -15.3          | 2.09 V                   | 205                        | 45.66                  | 13.04                          |
| 8   | 11000.00       | 44.0 AV                       | 54.0              | -10.0          | 2.09 V                   | 205                        | 30.96                  | 13.04                          |
| 9   | #16500.00      | 57.2 PK                       | 74.0              | -16.8          | 2.08 V                   | 314                        | 41.93                  | 15.27                          |
| 10  | #16500.00      | 45.9 AV                       | 54.0              | -8.1           | 2.08 V                   | 314                        | 30.63                  | 15.27                          |

**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   | 5420.00        | 51.3 PK                       | 74.0              | -22.7          | 1.48 H                   | 35                         | 49.95                  | 1.35                           |
| 2   | 5420.00        | 41.7 AV                       | 54.0              | -12.3          | 1.48 H                   | 35                         | 40.35                  | 1.35                           |
| 3   | *5580.00       | 110.0 PK                      |                   |                | 1.62 H                   | 53                         | 108.34                 | 1.66                           |
| 4   | *5580.00       | 100.1 AV                      |                   |                | 1.62 H                   | 53                         | 98.44                  | 1.66                           |
| 5   | #5740.00       | 57.9 PK                       | 74.0              | -16.1          | 1.70 H                   | 58                         | 55.94                  | 1.96                           |
| 6   | #5740.00       | 42.7 AV                       | 54.0              | -11.3          | 1.70 H                   | 58                         | 40.74                  | 1.96                           |
| 7   | 11160.00       | 57.4 PK                       | 74.0              | -16.6          | 1.13 H                   | 272                        | 44.58                  | 12.82                          |
| 8   | 11160.00       | 45.7 AV                       | 54.0              | -8.3           | 1.13 H                   | 272                        | 32.88                  | 12.82                          |
| 9   | #16740.00      | 58.7 PK                       | 74.0              | -15.3          | 1.03 H                   | 54                         | 42.71                  | 15.99                          |
| 10  | #16740.00      | 47.6 AV                       | 54.0              | -6.4           | 1.03 H                   | 54                         | 31.61                  | 15.99                          |

**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   | 5420.00        | 59.7 PK                       | 74.0              | -14.3          | 2.95 V                   | 176                        | 58.35                  | 1.35                           |
| 2   | 5420.00        | 51.4 AV                       | 54.0              | -2.6           | 2.95 V                   | 176                        | 50.05                  | 1.35                           |
| 3   | *5580.00       | 116.6 PK                      |                   |                | 2.71 V                   | 179                        | 114.94                 | 1.66                           |
| 4   | *5580.00       | 106.5 AV                      |                   |                | 2.71 V                   | 179                        | 104.84                 | 1.66                           |
| 5   | #5740.00       | 61.9 PK                       | 74.0              | -12.1          | 2.66 V                   | 180                        | 59.94                  | 1.96                           |
| 6   | #5740.00       | 51.7 AV                       | 54.0              | -2.3           | 2.66 V                   | 180                        | 49.74                  | 1.96                           |
| 7   | 11160.00       | 58.4 PK                       | 74.0              | -15.6          | 2.13 V                   | 207                        | 45.58                  | 12.82                          |
| 8   | 11160.00       | 43.8 AV                       | 54.0              | -10.2          | 2.13 V                   | 207                        | 30.98                  | 12.82                          |
| 9   | #16740.00      | 57.0 PK                       | 74.0              | -17.0          | 2.11 V                   | 307                        | 41.01                  | 15.99                          |
| 10  | #16740.00      | 45.6 AV                       | 54.0              | -8.4           | 2.11 V                   | 307                        | 29.61                  | 15.99                          |

**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       | 107.9 PK                      |                   |                | 1.75 H                   | 84                         | 106.01                 | 1.89                           |
| 2   | *5700.00       | 98.1 AV                       |                   |                | 1.75 H                   | 84                         | 96.21                  | 1.89                           |
| 3   | #5725.00       | 58.0 PK                       | 74.0              | -16.0          | 1.72 H                   | 52                         | 56.07                  | 1.93                           |
| 4   | #5725.00       | 43.0 AV                       | 54.0              | -11.0          | 1.72 H                   | 52                         | 41.07                  | 1.93                           |
| 5   | #5860.00       | 65.9 PK                       | 68.2              | -2.3           | 1.77 H                   | 55                         | 63.77                  | 2.13                           |
| 6   | 11400.00       | 56.7 PK                       | 74.0              | -17.3          | 1.12 H                   | 223                        | 43.82                  | 12.88                          |
| 7   | 11400.00       | 45.7 AV                       | 54.0              | -8.3           | 1.12 H                   | 223                        | 32.82                  | 12.88                          |
| 8   | #17100.00      | 55.9 PK                       | 74.0              | -18.1          | 1.03 H                   | 70                         | 38.59                  | 17.31                          |
| 9   | #17100.00      | 44.6 AV                       | 54.0              | -9.4           | 1.03 H                   | 70                         | 27.29                  | 17.31                          |

**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       | 116.2 PK                      |                   |                | 2.30 V                   | 179                        | 114.31                 | 1.89                           |
| 2   | *5700.00       | 106.8 AV                      |                   |                | 2.30 V                   | 179                        | 104.91                 | 1.89                           |
| 3   | #5725.00       | 70.6 PK                       | 74.0              | -3.4           | 2.90 V                   | 131                        | 68.67                  | 1.93                           |
| 4   | #5725.00       | 53.3 AV                       | 54.0              | -0.7           | 2.90 V                   | 131                        | 51.37                  | 1.93                           |
| 5   | #5860.00       | 66.8 PK                       | 68.2              | -1.4           | 2.29 V                   | 68                         | 64.67                  | 2.13                           |
| 6   | 11400.00       | 58.2 PK                       | 74.0              | -15.8          | 2.09 V                   | 202                        | 45.32                  | 12.88                          |
| 7   | 11400.00       | 43.5 AV                       | 54.0              | -10.5          | 2.09 V                   | 202                        | 30.62                  | 12.88                          |
| 8   | #17100.00      | 57.0 PK                       | 74.0              | -17.0          | 2.13 V                   | 295                        | 39.69                  | 17.31                          |
| 9   | #17100.00      | 45.6 AV                       | 54.0              | -8.4           | 2.13 V                   | 295                        | 28.29                  | 17.31                          |

**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 144 | 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   | *5720.00       | 110.3 PK                      |                   |                | 1.78 H                   | 98                         | 108.38                 | 1.92                           |
| 2   | *5720.00       | 99.9 AV                       |                   |                | 1.78 H                   | 98                         | 97.98                  | 1.92                           |
| 3   | #5880.00       | 58.0 PK                       | 74.0              | -16.0          | 1.76 H                   | 36                         | 55.86                  | 2.14                           |
| 4   | #5880.00       | 42.5 AV                       | 54.0              | -11.5          | 1.76 H                   | 36                         | 40.36                  | 2.14                           |
| 5   | 11440.00       | 57.3 PK                       | 74.0              | -16.7          | 1.08 H                   | 223                        | 44.43                  | 12.87                          |
| 6   | 11440.00       | 46.2 AV                       | 54.0              | -7.8           | 1.08 H                   | 223                        | 33.33                  | 12.87                          |
| 7   | #17160.00      | 55.2 PK                       | 74.0              | -18.8          | 1.00 H                   | 69                         | 37.81                  | 17.39                          |
| 8   | #17160.00      | 44.1 AV                       | 54.0              | -9.9           | 1.00 H                   | 69                         | 26.71                  | 17.39                          |

**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   | *5720.00       | 117.8 PK                      |                   |                | 2.29 V                   | 78                         | 115.88                 | 1.92                           |
| 2   | *5720.00       | 107.8 AV                      |                   |                | 2.29 V                   | 78                         | 105.88                 | 1.92                           |
| 3   | #5880.00       | 62.4 PK                       | 74.0              | -11.6          | 2.68 V                   | 80                         | 60.26                  | 2.14                           |
| 4   | #5880.00       | 52.6 AV                       | 54.0              | -1.5           | 2.68 V                   | 80                         | 50.41                  | 2.14                           |
| 5   | 11440.00       | 58.5 PK                       | 74.0              | -15.5          | 2.11 V                   | 200                        | 45.63                  | 12.87                          |
| 6   | 11440.00       | 43.9 AV                       | 54.0              | -10.1          | 2.11 V                   | 200                        | 31.03                  | 12.87                          |
| 7   | #17160.00      | 56.5 PK                       | 74.0              | -17.5          | 2.10 V                   | 309                        | 39.11                  | 17.39                          |
| 8   | #17160.00      | 45.4 AV                       | 54.0              | -8.6           | 2.10 V                   | 309                        | 28.01                  | 17.39                          |

**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.

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|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <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                                                   | 5110.00        | 52.0 PK                       | 74.0              | -22.0          | 1.78 H                   | 138                        | 51.30                  | 0.70                           |
| 2                                                   | 5110.00        | 41.5 AV                       | 54.0              | -12.5          | 1.78 H                   | 138                        | 40.80                  | 0.70                           |
| 3                                                   | *5270.00       | 109.4 PK                      |                   |                | 1.84 H                   | 77                         | 108.23                 | 1.17                           |
| 4                                                   | *5270.00       | 99.1 AV                       |                   |                | 1.84 H                   | 77                         | 97.93                  | 1.17                           |
| 5                                                   | 5350.00        | 52.4 PK                       | 74.0              | -21.6          | 1.75 H                   | 110                        | 51.10                  | 1.30                           |
| 6                                                   | 5350.00        | 41.9 AV                       | 54.0              | -12.1          | 1.75 H                   | 110                        | 40.60                  | 1.30                           |
| 7                                                   | 5430.00        | 58.1 PK                       | 74.0              | -15.9          | 1.85 H                   | 94                         | 56.73                  | 1.37                           |
| 8                                                   | 5430.00        | 42.8 AV                       | 54.0              | -11.2          | 1.85 H                   | 94                         | 41.43                  | 1.37                           |
| 9                                                   | #10540.00      | 57.6 PK                       | 74.0              | -16.4          | 1.08 H                   | 229                        | 46.25                  | 11.35                          |
| 10                                                  | #10540.00      | 46.3 AV                       | 54.0              | -7.7           | 1.08 H                   | 229                        | 34.95                  | 11.35                          |
| 11                                                  | 15810.00       | 54.8 PK                       | 74.0              | -19.2          | 1.09 H                   | 79                         | 42.54                  | 12.26                          |
| 12                                                  | 15810.00       | 43.6 AV                       | 54.0              | -10.4          | 1.09 H                   | 79                         | 31.34                  | 12.26                          |

| 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                                                 | 5110.00        | 61.1 PK                       | 74.0              | -12.9          | 2.93 V                   | 181                        | 60.40                  | 0.70                           |
| 2                                                 | 5110.00        | 51.0 AV                       | 54.0              | -3.0           | 2.93 V                   | 181                        | 50.30                  | 0.70                           |
| 3                                                 | *5270.00       | 115.9 PK                      |                   |                | 2.93 V                   | 178                        | 114.73                 | 1.17                           |
| 4                                                 | *5270.00       | 106.0 AV                      |                   |                | 2.93 V                   | 178                        | 104.83                 | 1.17                           |
| 5                                                 | 5350.00        | 65.9 PK                       | 74.0              | -8.1           | 2.84 V                   | 176                        | 64.60                  | 1.30                           |
| 6                                                 | 5350.00        | 52.4 AV                       | 54.0              | -1.6           | 2.84 V                   | 176                        | 51.10                  | 1.30                           |
| 7                                                 | 5430.00        | 59.9 PK                       | 74.0              | -14.1          | 2.81 V                   | 179                        | 58.53                  | 1.37                           |
| 8                                                 | 5430.00        | 51.2 AV                       | 54.0              | -2.8           | 2.81 V                   | 179                        | 49.83                  | 1.37                           |
| 9                                                 | #10540.00      | 58.2 PK                       | 74.0              | -15.8          | 2.11 V                   | 191                        | 46.85                  | 11.35                          |
| 10                                                | #10540.00      | 44.0 AV                       | 54.0              | -10.0          | 2.11 V                   | 191                        | 32.65                  | 11.35                          |
| 11                                                | 15810.00       | 56.5 PK                       | 74.0              | -17.5          | 2.05 V                   | 307                        | 44.24                  | 12.26                          |
| 12                                                | 15810.00       | 45.4 AV                       | 54.0              | -8.6           | 2.05 V                   | 307                        | 33.14                  | 12.26                          |

## 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       | 104.0 PK                      |                   |                | 1.84 H                   | 88                         | 102.73                 | 1.27                           |
| 2   | *5310.00       | 93.1 AV                       |                   |                | 1.84 H                   | 88                         | 91.83                  | 1.27                           |
| 3   | 5350.00        | 53.1 PK                       | 74.0              | -20.9          | 1.71 H                   | 113                        | 51.80                  | 1.30                           |
| 4   | 5350.00        | 42.3 AV                       | 54.0              | -11.7          | 1.71 H                   | 113                        | 41.00                  | 1.30                           |
| 5   | 10620.00       | 58.0 PK                       | 74.0              | -16.0          | 1.03 H                   | 221                        | 46.35                  | 11.65                          |
| 6   | 10620.00       | 46.8 AV                       | 54.0              | -7.2           | 1.03 H                   | 221                        | 35.15                  | 11.65                          |
| 7   | 15930.00       | 54.4 PK                       | 74.0              | -19.6          | 1.15 H                   | 88                         | 41.94                  | 12.46                          |
| 8   | 15930.00       | 43.2 AV                       | 54.0              | -10.8          | 1.15 H                   | 88                         | 30.74                  | 12.46                          |

**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       | 110.7 PK                      |                   |                | 2.77 V                   | 179                        | 109.43                 | 1.27                           |
| 2   | *5310.00       | 100.2 AV                      |                   |                | 2.77 V                   | 179                        | 98.93                  | 1.27                           |
| 3   | 5350.00        | 67.5 PK                       | 74.0              | -6.5           | 2.76 V                   | 137                        | 66.20                  | 1.30                           |
| 4   | 5350.00        | 53.2 AV                       | 54.0              | -0.8           | 2.76 V                   | 137                        | 51.90                  | 1.30                           |
| 5   | 10620.00       | 57.5 PK                       | 74.0              | -16.5          | 2.10 V                   | 202                        | 45.85                  | 11.65                          |
| 6   | 10620.00       | 43.5 AV                       | 54.0              | -10.5          | 2.10 V                   | 202                        | 31.85                  | 11.65                          |
| 7   | 15930.00       | 56.3 PK                       | 74.0              | -17.7          | 2.08 V                   | 308                        | 43.84                  | 12.46                          |
| 8   | 15930.00       | 45.4 AV                       | 54.0              | -8.6           | 2.08 V                   | 308                        | 32.94                  | 12.46                          |

**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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 102 | 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   | #5470.00       | 52.6 PK                       | 74.0              | -21.4          | 1.72 H                   | 103                        | 51.15                  | 1.45                           |
| 2   | #5470.00       | 42.0 AV                       | 54.0              | -12.0          | 1.72 H                   | 103                        | 40.55                  | 1.45                           |
| 3   | *5510.00       | 103.8 PK                      |                   |                | 1.89 H                   | 82                         | 102.28                 | 1.52                           |
| 4   | *5510.00       | 93.0 AV                       |                   |                | 1.89 H                   | 82                         | 91.48                  | 1.52                           |
| 5   | #5970.00       | 53.2 PK                       | 74.0              | -20.8          | 1.71 H                   | 123                        | 50.78                  | 2.42                           |
| 6   | #5970.00       | 42.1 AV                       | 54.0              | -11.9          | 1.71 H                   | 123                        | 39.68                  | 2.42                           |
| 7   | 11020.00       | 58.5 PK                       | 74.0              | -15.5          | 1.04 H                   | 208                        | 45.49                  | 13.01                          |
| 8   | 11020.00       | 47.1 AV                       | 54.0              | -6.9           | 1.04 H                   | 208                        | 34.09                  | 13.01                          |
| 9   | #16530.00      | 54.0 PK                       | 74.0              | -20.0          | 1.15 H                   | 98                         | 38.59                  | 15.41                          |
| 10  | #16530.00      | 43.0 AV                       | 54.0              | -11.0          | 1.15 H                   | 98                         | 27.59                  | 15.41                          |

**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       | 69.8 PK                       | 74.0              | -4.2           | 2.82 V                   | 179                        | 68.35                  | 1.45                           |
| 2   | #5470.00       | 53.5 AV                       | 54.0              | -0.5           | 2.82 V                   | 179                        | 52.05                  | 1.45                           |
| 3   | *5510.00       | 110.1 PK                      |                   |                | 2.71 V                   | 178                        | 108.58                 | 1.52                           |
| 4   | *5510.00       | 100.0 AV                      |                   |                | 2.71 V                   | 178                        | 98.48                  | 1.52                           |
| 5   | #5970.00       | 57.5 PK                       | 74.0              | -16.5          | 2.77 V                   | 178                        | 55.08                  | 2.42                           |
| 6   | #5970.00       | 51.0 AV                       | 54.0              | -3.0           | 2.77 V                   | 178                        | 48.58                  | 2.42                           |
| 7   | 11020.00       | 57.3 PK                       | 74.0              | -16.7          | 2.15 V                   | 210                        | 44.29                  | 13.01                          |
| 8   | 11020.00       | 43.1 AV                       | 54.0              | -10.9          | 2.15 V                   | 210                        | 30.09                  | 13.01                          |
| 9   | #16530.00      | 56.8 PK                       | 74.0              | -17.2          | 2.09 V                   | 306                        | 41.39                  | 15.41                          |
| 10  | #16530.00      | 45.8 AV                       | 54.0              | -8.2           | 2.09 V                   | 306                        | 30.39                  | 15.41                          |

**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 110 | 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   | #5470.00       | 52.7 PK                       | 74.0              | -21.3          | 1.72 H                   | 98                         | 51.25                  | 1.45                           |
| 2   | #5470.00       | 42.0 AV                       | 54.0              | -12.0          | 1.72 H                   | 98                         | 40.55                  | 1.45                           |
| 3   | *5550.00       | 108.2 PK                      |                   |                | 1.87 H                   | 90                         | 106.60                 | 1.60                           |
| 4   | *5550.00       | 97.1 AV                       |                   |                | 1.87 H                   | 90                         | 95.50                  | 1.60                           |
| 5   | #5725.00       | 53.8 PK                       | 74.0              | -20.2          | 1.70 H                   | 112                        | 51.87                  | 1.93                           |
| 6   | #5725.00       | 42.6 AV                       | 54.0              | -11.4          | 1.70 H                   | 112                        | 40.67                  | 1.93                           |
| 7   | 11100.00       | 58.1 PK                       | 74.0              | -15.9          | 1.01 H                   | 201                        | 45.23                  | 12.87                          |
| 8   | 11100.00       | 46.9 AV                       | 54.0              | -7.1           | 1.01 H                   | 201                        | 34.03                  | 12.87                          |
| 9   | #16650.00      | 54.0 PK                       | 74.0              | -20.0          | 1.15 H                   | 109                        | 38.19                  | 15.81                          |
| 10  | #16650.00      | 43.0 AV                       | 54.0              | -11.0          | 1.15 H                   | 109                        | 27.19                  | 15.81                          |

**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       | 67.4 PK                       | 74.0              | -6.6           | 2.68 V                   | 180                        | 65.95                  | 1.45                           |
| 2   | #5470.00       | 52.4 AV                       | 54.0              | -1.6           | 2.68 V                   | 180                        | 50.95                  | 1.45                           |
| 3   | *5550.00       | 114.4 PK                      |                   |                | 2.73 V                   | 124                        | 112.80                 | 1.60                           |
| 4   | *5550.00       | 103.5 AV                      |                   |                | 2.73 V                   | 124                        | 101.90                 | 1.60                           |
| 5   | #5725.00       | 59.2 PK                       | 74.0              | -14.8          | 2.68 V                   | 160                        | 57.27                  | 1.93                           |
| 6   | #5725.00       | 48.6 AV                       | 54.0              | -5.4           | 2.68 V                   | 160                        | 46.67                  | 1.93                           |
| 7   | 11100.00       | 57.5 PK                       | 74.0              | -16.5          | 2.09 V                   | 196                        | 44.63                  | 12.87                          |
| 8   | 11100.00       | 43.0 AV                       | 54.0              | -11.0          | 2.09 V                   | 196                        | 30.13                  | 12.87                          |
| 9   | #16650.00      | 56.8 PK                       | 74.0              | -17.2          | 2.14 V                   | 304                        | 40.99                  | 15.81                          |
| 10  | #16650.00      | 45.8 AV                       | 54.0              | -8.2           | 2.14 V                   | 304                        | 29.99                  | 15.81                          |

**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 134 | 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   | *5670.00       | 109.8 PK                      |                   |                | 1.84 H                   | 85                         | 107.97                 | 1.83                           |
| 2   | *5670.00       | 98.8 AV                       |                   |                | 1.84 H                   | 85                         | 96.97                  | 1.83                           |
| 3   | #5725.00       | 53.3 PK                       | 74.0              | -20.7          | 1.70 H                   | 112                        | 51.37                  | 1.93                           |
| 4   | #5725.00       | 42.2 AV                       | 54.0              | -11.8          | 1.70 H                   | 112                        | 40.27                  | 1.93                           |
| 5   | 11340.00       | 57.8 PK                       | 74.0              | -16.2          | 1.00 H                   | 216                        | 44.59                  | 13.21                          |
| 6   | 11340.00       | 46.8 AV                       | 54.0              | -7.2           | 1.00 H                   | 216                        | 33.59                  | 13.21                          |
| 7   | #17010.00      | 53.9 PK                       | 74.0              | -20.1          | 1.20 H                   | 93                         | 36.89                  | 17.01                          |
| 8   | #17010.00      | 42.9 AV                       | 54.0              | -11.1          | 1.20 H                   | 93                         | 25.89                  | 17.01                          |

**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       | 116.3 PK                      |                   |                | 2.78 V                   | 181                        | 114.47                 | 1.83                           |
| 2   | *5670.00       | 105.8 AV                      |                   |                | 2.78 V                   | 181                        | 103.97                 | 1.83                           |
| 3   | #5725.00       | 73.7 PK                       | 74.0              | -0.3           | 2.78 V                   | 176                        | 71.77                  | 1.93                           |
| 4   | #5725.00       | 53.3 AV                       | 54.0              | -0.7           | 2.78 V                   | 176                        | 51.37                  | 1.93                           |
| 5   | 11340.00       | 57.1 PK                       | 74.0              | -16.9          | 2.07 V                   | 211                        | 43.89                  | 13.21                          |
| 6   | 11340.00       | 42.6 AV                       | 54.0              | -11.4          | 2.07 V                   | 211                        | 29.39                  | 13.21                          |
| 7   | #17010.00      | 56.8 PK                       | 74.0              | -17.2          | 2.14 V                   | 309                        | 39.79                  | 17.01                          |
| 8   | #17010.00      | 46.1 AV                       | 54.0              | -7.9           | 2.14 V                   | 309                        | 29.09                  | 17.01                          |

**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 142 | <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   | 5460.00        | 52.8 PK                       | 74.0              | -21.2          | 1.69 H                   | 86                         | 51.36                  | 1.44                           |
| 2   | 5460.00        | 42.2 AV                       | 54.0              | -11.8          | 1.69 H                   | 86                         | 40.76                  | 1.44                           |
| 3   | *5710.00       | 110.6 PK                      |                   |                | 1.92 H                   | 94                         | 108.69                 | 1.91                           |
| 4   | *5710.00       | 99.6 AV                       |                   |                | 1.92 H                   | 94                         | 97.69                  | 1.91                           |
| 5   | #5870.00       | 53.9 PK                       | 74.0              | -20.1          | 1.74 H                   | 122                        | 51.75                  | 2.15                           |
| 6   | #5870.00       | 42.4 AV                       | 54.0              | -11.6          | 1.74 H                   | 122                        | 40.25                  | 2.15                           |
| 7   | 11420.00       | 57.8 PK                       | 74.0              | -16.2          | 1.01 H                   | 211                        | 44.92                  | 12.88                          |
| 8   | 11420.00       | 47.1 AV                       | 54.0              | -6.9           | 1.01 H                   | 211                        | 34.22                  | 12.88                          |
| 9   | #17130.00      | 53.8 PK                       | 74.0              | -20.2          | 1.23 H                   | 100                        | 36.46                  | 17.34                          |
| 10  | #17130.00      | 42.8 AV                       | 54.0              | -11.2          | 1.23 H                   | 100                        | 25.46                  | 17.34                          |

**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   | 5460.00        | 57.6 PK                       | 74.0              | -16.4          | 2.83 V                   | 80                         | 56.16                  | 1.44                           |
| 2   | 5460.00        | 47.3 AV                       | 54.0              | -6.7           | 2.83 V                   | 80                         | 45.86                  | 1.44                           |
| 3   | *5710.00       | 116.9 PK                      |                   |                | 2.93 V                   | 80                         | 114.99                 | 1.91                           |
| 4   | *5710.00       | 106.5 AV                      |                   |                | 2.93 V                   | 80                         | 104.59                 | 1.91                           |
| 5   | #5870.00       | 64.8 PK                       | 74.0              | -9.2           | 2.83 V                   | 80                         | 62.65                  | 2.15                           |
| 6   | #5870.00       | 52.9 AV                       | 54.0              | -1.1           | 2.83 V                   | 80                         | 50.75                  | 2.15                           |
| 7   | 11420.00       | 56.9 PK                       | 74.0              | -17.1          | 2.03 V                   | 217                        | 44.02                  | 12.88                          |
| 8   | 11420.00       | 42.5 AV                       | 54.0              | -11.5          | 2.03 V                   | 217                        | 29.62                  | 12.88                          |
| 9   | #17130.00      | 56.8 PK                       | 74.0              | -17.2          | 2.18 V                   | 297                        | 39.46                  | 17.34                          |
| 10  | #17130.00      | 46.4 AV                       | 54.0              | -7.6           | 2.18 V                   | 297                        | 29.06                  | 17.34                          |

**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 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                                                   | *5290.00       | 101.6 PK                      |                   |                | 1.62 H                   | 55                         | 100.37                 | 1.23                           |
| 2                                                   | *5290.00       | 90.1 AV                       |                   |                | 1.62 H                   | 55                         | 88.87                  | 1.23                           |
| 3                                                   | 5350.00        | 57.8 PK                       | 74.0              | -16.2          | 1.79 H                   | 59                         | 56.50                  | 1.30                           |
| 4                                                   | 5350.00        | 42.5 AV                       | 54.0              | -11.5          | 1.79 H                   | 59                         | 41.20                  | 1.30                           |
| 5                                                   | #10580.00      | 58.3 PK                       | 74.0              | -15.7          | 1.06 H                   | 213                        | 46.75                  | 11.55                          |
| 6                                                   | #10580.00      | 47.2 AV                       | 54.0              | -6.8           | 1.06 H                   | 213                        | 35.65                  | 11.55                          |
| 7                                                   | 15870.00       | 53.6 PK                       | 74.0              | -20.4          | 1.30 H                   | 114                        | 41.20                  | 12.40                          |
| 8                                                   | 15870.00       | 42.9 AV                       | 54.0              | -11.1          | 1.30 H                   | 114                        | 30.50                  | 12.40                          |
| 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       | 106.9 PK                      |                   |                | 2.82 V                   | 178                        | 105.67                 | 1.23                           |
| 2                                                   | *5290.00       | 95.6 AV                       |                   |                | 2.82 V                   | 178                        | 94.37                  | 1.23                           |
| 3                                                   | 5350.00        | 68.6 PK                       | 74.0              | -5.4           | 2.81 V                   | 180                        | 67.30                  | 1.30                           |
| 4                                                   | 5350.00        | 53.4 AV                       | 54.0              | -0.6           | 2.81 V                   | 180                        | 52.10                  | 1.30                           |
| 5                                                   | #10580.00      | 56.5 PK                       | 74.0              | -17.5          | 1.96 V                   | 233                        | 44.95                  | 11.55                          |
| 6                                                   | #10580.00      | 42.0 AV                       | 54.0              | -12.0          | 1.96 V                   | 233                        | 30.45                  | 11.55                          |
| 7                                                   | 15870.00       | 56.1 PK                       | 74.0              | -17.9          | 2.09 V                   | 277                        | 43.70                  | 12.40                          |
| 8                                                   | 15870.00       | 45.4 AV                       | 54.0              | -8.6           | 2.09 V                   | 277                        | 33.00                  | 12.40                          |

## 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       | 58.3 PK                       | 74.0              | -15.7          | 1.82 H                   | 49                         | 56.85                  | 1.45                           |
| 2                                                   | #5470.00       | 42.8 AV                       | 54.0              | -11.2          | 1.82 H                   | 49                         | 41.35                  | 1.45                           |
| 3                                                   | *5530.00       | 100.4 PK                      |                   |                | 1.60 H                   | 51                         | 98.84                  | 1.56                           |
| 4                                                   | *5530.00       | 89.0 AV                       |                   |                | 1.60 H                   | 51                         | 87.44                  | 1.56                           |
| 5                                                   | 11060.00       | 57.4 PK                       | 74.0              | -16.6          | 1.13 H                   | 223                        | 44.46                  | 12.94                          |
| 6                                                   | 11060.00       | 46.7 AV                       | 54.0              | -7.3           | 1.13 H                   | 223                        | 33.76                  | 12.94                          |
| 7                                                   | #16590.00      | 53.4 PK                       | 74.0              | -20.6          | 1.30 H                   | 93                         | 37.73                  | 15.67                          |
| 8                                                   | #16590.00      | 43.0 AV                       | 54.0              | -11.0          | 1.30 H                   | 93                         | 27.33                  | 15.67                          |
| 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       | 70.6 PK                       | 74.0              | -3.4           | 2.84 V                   | 180                        | 69.15                  | 1.45                           |
| 2                                                   | #5470.00       | 53.7 AV                       | 54.0              | -0.3           | 2.84 V                   | 180                        | 52.25                  | 1.45                           |
| 3                                                   | *5530.00       | 106.1 PK                      |                   |                | 2.72 V                   | 179                        | 104.54                 | 1.56                           |
| 4                                                   | *5530.00       | 95.1 AV                       |                   |                | 2.72 V                   | 179                        | 93.54                  | 1.56                           |
| 5                                                   | 11060.00       | 56.7 PK                       | 74.0              | -17.3          | 2.01 V                   | 232                        | 43.76                  | 12.94                          |
| 6                                                   | 11060.00       | 42.0 AV                       | 54.0              | -12.0          | 2.01 V                   | 232                        | 29.06                  | 12.94                          |
| 7                                                   | #16590.00      | 56.4 PK                       | 74.0              | -17.6          | 2.10 V                   | 262                        | 40.73                  | 15.67                          |
| 8                                                   | #16590.00      | 46.0 AV                       | 54.0              | -8.0           | 2.10 V                   | 262                        | 30.33                  | 15.67                          |

**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 122 | <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       | 57.7 PK                       | 74.0              | -16.3          | 1.85 H                   | 62                         | 56.25                  | 1.45                           |
| 2   | #5470.00       | 42.4 AV                       | 54.0              | -11.6          | 1.85 H                   | 62                         | 40.95                  | 1.45                           |
| 3   | *5610.00       | 106.2 PK                      |                   |                | 1.55 H                   | 57                         | 104.49                 | 1.71                           |
| 4   | *5610.00       | 94.5 AV                       |                   |                | 1.55 H                   | 57                         | 92.79                  | 1.71                           |
| 5   | #5725.00       | 57.8 PK                       | 74.0              | -16.2          | 1.79 H                   | 59                         | 55.87                  | 1.93                           |
| 6   | #5725.00       | 42.5 AV                       | 54.0              | -11.5          | 1.79 H                   | 59                         | 40.57                  | 1.93                           |
| 7   | 11220.00       | 57.8 PK                       | 74.0              | -16.2          | 1.05 H                   | 207                        | 44.88                  | 12.92                          |
| 8   | 11220.00       | 46.8 AV                       | 54.0              | -7.2           | 1.05 H                   | 207                        | 33.88                  | 12.92                          |
| 9   | #16830.00      | 53.5 PK                       | 74.0              | -20.5          | 1.31 H                   | 115                        | 37.22                  | 16.28                          |
| 10  | #16830.00      | 43.1 AV                       | 54.0              | -10.9          | 1.31 H                   | 115                        | 26.82                  | 16.28                          |

**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       | 65.3 PK                       | 74.0              | -8.7           | 2.67 V                   | 178                        | 63.85                  | 1.45                           |
| 2   | #5470.00       | 50.7 AV                       | 54.0              | -3.3           | 2.67 V                   | 178                        | 49.25                  | 1.45                           |
| 3   | *5610.00       | 112.3 PK                      |                   |                | 2.75 V                   | 176                        | 110.59                 | 1.71                           |
| 4   | *5610.00       | 100.9 AV                      |                   |                | 2.75 V                   | 176                        | 99.19                  | 1.71                           |
| 5   | #5725.00       | 69.9 PK                       | 74.0              | -4.1           | 2.68 V                   | 178                        | 67.97                  | 1.93                           |
| 6   | #5725.00       | 53.1 AV                       | 54.0              | -0.9           | 2.68 V                   | 178                        | 51.17                  | 1.93                           |
| 7   | 11220.00       | 56.2 PK                       | 74.0              | -17.8          | 1.93 V                   | 235                        | 43.28                  | 12.92                          |
| 8   | 11220.00       | 41.7 AV                       | 54.0              | -12.3          | 1.93 V                   | 235                        | 28.78                  | 12.92                          |
| 9   | #16830.00      | 56.1 PK                       | 74.0              | -17.9          | 2.19 V                   | 273                        | 39.82                  | 16.28                          |
| 10  | #16830.00      | 45.7 AV                       | 54.0              | -8.3           | 2.19 V                   | 273                        | 29.42                  | 16.28                          |

**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 138 | <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   | *5690.00       | 112.5 PK                      |                   |                | 1.57 H                   | 67                         | 110.63                 | 1.87                           |
| 2   | *5690.00       | 98.1 AV                       |                   |                | 1.57 H                   | 67                         | 96.23                  | 1.87                           |
| 3   | #5850.00       | 58.1 PK                       | 78.2              | -20.1          | 1.74 H                   | 44                         | 55.97                  | 2.13                           |
| 4   | #5860.00       | 57.6 PK                       | 74.0              | -16.4          | 1.86 H                   | 75                         | 55.47                  | 2.13                           |
| 5   | #5860.00       | 42.4 AV                       | 54.0              | -11.6          | 1.86 H                   | 75                         | 40.27                  | 2.13                           |
| 6   | 11380.00       | 57.5 PK                       | 74.0              | -16.5          | 1.12 H                   | 214                        | 44.52                  | 12.98                          |
| 7   | 11380.00       | 46.5 AV                       | 54.0              | -7.5           | 1.12 H                   | 214                        | 33.52                  | 12.98                          |
| 8   | #17070.00      | 52.4 PK                       | 74.0              | -21.6          | 1.32 H                   | 113                        | 35.18                  | 17.22                          |
| 9   | #17070.00      | 42.3 AV                       | 54.0              | -11.7          | 1.32 H                   | 113                        | 25.08                  | 17.22                          |

**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   | *5690.00       | 118.0 PK                      |                   |                | 2.44 V                   | 78                         | 116.13                 | 1.87                           |
| 2   | *5690.00       | 104.0 AV                      |                   |                | 2.44 V                   | 78                         | 102.13                 | 1.87                           |
| 3   | #5850.00       | 72.6 PK                       | 78.2              | -5.6           | 2.73 V                   | 76                         | 70.47                  | 2.13                           |
| 4   | #5860.00       | 67.5 PK                       | 74.0              | -6.5           | 2.06 V                   | 316                        | 65.37                  | 2.13                           |
| 5   | #5860.00       | 53.0 AV                       | 54.0              | -1.0           | 2.06 V                   | 316                        | 50.87                  | 2.13                           |
| 6   | 11380.00       | 56.7 PK                       | 74.0              | -17.3          | 2.02 V                   | 228                        | 43.72                  | 12.98                          |
| 7   | 11380.00       | 42.1 AV                       | 54.0              | -11.9          | 2.02 V                   | 228                        | 29.12                  | 12.98                          |
| 8   | #17070.00      | 55.9 PK                       | 74.0              | -18.1          | 2.13 V                   | 282                        | 38.68                  | 17.22                          |
| 9   | #17070.00      | 45.7 AV                       | 54.0              | -8.3           | 2.13 V                   | 282                        | 28.48                  | 17.22                          |

**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.

2TX

ANT2, ANT3

802.11a

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| 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                                                   | 5100.00        | 52.4 PK                       | 74.0              | -21.6          | 1.68 H                   | 34                         | 51.73                  | 0.67                           |
| 2                                                   | 5100.00        | 43.4 AV                       | 54.0              | -10.6          | 1.68 H                   | 34                         | 42.73                  | 0.67                           |
| 3                                                   | *5260.00       | 107.2 PK                      |                   |                | 1.54 H                   | 33                         | 106.05                 | 1.15                           |
| 4                                                   | *5260.00       | 98.7 AV                       |                   |                | 1.54 H                   | 33                         | 97.55                  | 1.15                           |
| 5                                                   | 5420.00        | 51.8 PK                       | 74.0              | -22.2          | 1.62 H                   | 94                         | 50.45                  | 1.35                           |
| 6                                                   | 5420.00        | 41.6 AV                       | 54.0              | -12.4          | 1.62 H                   | 94                         | 40.25                  | 1.35                           |
| 7                                                   | #10520.00      | 57.7 PK                       | 74.0              | -16.3          | 1.03 H                   | 239                        | 46.45                  | 11.25                          |
| 8                                                   | #10520.00      | 45.8 AV                       | 54.0              | -8.2           | 1.03 H                   | 239                        | 34.55                  | 11.25                          |
| 9                                                   | 15780.00       | 56.7 PK                       | 74.0              | -17.3          | 1.07 H                   | 82                         | 44.45                  | 12.25                          |
| 10                                                  | 15780.00       | 45.7 AV                       | 54.0              | -8.3           | 1.07 H                   | 82                         | 33.45                  | 12.25                          |

| 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                                                 | 5100.00        | 60.8 PK                       | 74.0              | -13.2          | 2.41 V                   | 301                        | 60.13                  | 0.67                           |
| 2                                                 | 5100.00        | 51.3 AV                       | 54.0              | -2.7           | 2.41 V                   | 301                        | 50.63                  | 0.67                           |
| 3                                                 | *5260.00       | 118.1 PK                      |                   |                | 2.33 V                   | 301                        | 116.95                 | 1.15                           |
| 4                                                 | *5260.00       | 108.0 AV                      |                   |                | 2.33 V                   | 301                        | 106.85                 | 1.15                           |
| 5                                                 | 5420.00        | 61.4 PK                       | 74.0              | -12.6          | 2.44 V                   | 303                        | 60.05                  | 1.35                           |
| 6                                                 | 5420.00        | 53.2 AV                       | 54.0              | -0.8           | 2.44 V                   | 303                        | 51.85                  | 1.35                           |
| 7                                                 | #10520.00      | 59.4 PK                       | 74.0              | -14.6          | 2.15 V                   | 140                        | 48.15                  | 11.25                          |
| 8                                                 | #10520.00      | 44.6 AV                       | 54.0              | -9.4           | 2.15 V                   | 140                        | 33.35                  | 11.25                          |
| 9                                                 | 15780.00       | 57.4 PK                       | 74.0              | -16.6          | 2.06 V                   | 339                        | 45.15                  | 12.25                          |
| 10                                                | 15780.00       | 45.6 AV                       | 54.0              | -8.4           | 2.06 V                   | 339                        | 33.35                  | 12.25                          |

**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   | 5140.00        | 52.5 PK                       | 74.0              | -21.5          | 1.70 H                   | 93                         | 51.73                  | 0.77                           |
| 2   | 5140.00        | 42.1 AV                       | 54.0              | -11.9          | 1.70 H                   | 93                         | 41.33                  | 0.77                           |
| 3   | *5300.00       | 107.8 PK                      |                   |                | 1.60 H                   | 41                         | 106.53                 | 1.27                           |
| 4   | *5300.00       | 98.7 AV                       |                   |                | 1.60 H                   | 41                         | 97.43                  | 1.27                           |
| 5   | 5460.00        | 52.0 PK                       | 74.0              | -22.0          | 1.76 H                   | 48                         | 50.56                  | 1.44                           |
| 6   | 5460.00        | 42.8 AV                       | 54.0              | -11.2          | 1.76 H                   | 48                         | 41.36                  | 1.44                           |
| 7   | 10600.00       | 57.7 PK                       | 74.0              | -16.3          | 1.06 H                   | 259                        | 46.06                  | 11.64                          |
| 8   | 10600.00       | 45.8 AV                       | 54.0              | -8.2           | 1.06 H                   | 259                        | 34.16                  | 11.64                          |
| 9   | 15900.00       | 57.5 PK                       | 74.0              | -16.5          | 1.02 H                   | 62                         | 45.03                  | 12.47                          |
| 10  | 15900.00       | 46.4 AV                       | 54.0              | -7.6           | 1.02 H                   | 62                         | 33.93                  | 12.47                          |

**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   | 5140.00        | 61.5 PK                       | 74.0              | -12.5          | 2.96 V                   | 301                        | 60.73                  | 0.77                           |
| 2   | 5140.00        | 51.8 AV                       | 54.0              | -2.2           | 2.96 V                   | 301                        | 51.03                  | 0.77                           |
| 3   | *5300.00       | 116.9 PK                      |                   |                | 2.96 V                   | 302                        | 115.63                 | 1.27                           |
| 4   | *5300.00       | 107.8 AV                      |                   |                | 2.96 V                   | 302                        | 106.53                 | 1.27                           |
| 5   | 5460.00        | 62.5 PK                       | 74.0              | -11.5          | 2.78 V                   | 300                        | 61.06                  | 1.44                           |
| 6   | 5460.00        | 53.2 AV                       | 54.0              | -0.8           | 2.78 V                   | 300                        | 51.76                  | 1.44                           |
| 7   | 10600.00       | 59.0 PK                       | 74.0              | -15.0          | 2.16 V                   | 140                        | 47.36                  | 11.64                          |
| 8   | 10600.00       | 44.0 AV                       | 54.0              | -10.0          | 2.16 V                   | 140                        | 32.36                  | 11.64                          |
| 9   | 15900.00       | 57.3 PK                       | 74.0              | -16.7          | 2.08 V                   | 337                        | 44.83                  | 12.47                          |
| 10  | 15900.00       | 45.3 AV                       | 54.0              | -8.7           | 2.08 V                   | 337                        | 32.83                  | 12.47                          |

**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       | 107.8 PK                      |                   |                | 1.53 H                   | 35                         | 106.52                 | 1.28                           |
| 2   | *5320.00       | 99.3 AV                       |                   |                | 1.53 H                   | 35                         | 98.02                  | 1.28                           |
| 3   | 5350.00        | 52.1 PK                       | 74.0              | -21.9          | 1.65 H                   | 97                         | 50.80                  | 1.30                           |
| 4   | 5350.00        | 41.6 AV                       | 54.0              | -12.4          | 1.65 H                   | 97                         | 40.30                  | 1.30                           |
| 5   | #5480.00       | 52.6 PK                       | 74.0              | -21.4          | 1.67 H                   | 35                         | 51.13                  | 1.47                           |
| 6   | #5480.00       | 43.4 AV                       | 54.0              | -10.6          | 1.67 H                   | 35                         | 41.93                  | 1.47                           |
| 7   | 10640.00       | 57.0 PK                       | 74.0              | -17.0          | 1.00 H                   | 258                        | 45.32                  | 11.68                          |
| 8   | 10640.00       | 45.4 AV                       | 54.0              | -8.6           | 1.00 H                   | 258                        | 33.72                  | 11.68                          |
| 9   | 15960.00       | 57.5 PK                       | 74.0              | -16.5          | 1.08 H                   | 81                         | 45.05                  | 12.45                          |
| 10  | 15960.00       | 46.2 AV                       | 54.0              | -7.8           | 1.08 H                   | 81                         | 33.75                  | 12.45                          |

**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       | 116.8 PK                      |                   |                | 2.73 V                   | 303                        | 115.52                 | 1.28                           |
| 2   | *5320.00       | 108.0 AV                      |                   |                | 2.73 V                   | 303                        | 106.72                 | 1.28                           |
| 3   | 5350.00        | 72.3 PK                       | 74.0              | -1.7           | 2.27 V                   | 303                        | 71.00                  | 1.30                           |
| 4   | 5350.00        | 53.4 AV                       | 54.0              | -0.6           | 2.27 V                   | 303                        | 52.10                  | 1.30                           |
| 5   | #5480.00       | 63.5 PK                       | 74.0              | -10.5          | 2.71 V                   | 297                        | 62.03                  | 1.47                           |
| 6   | #5480.00       | 53.1 AV                       | 54.0              | -0.9           | 2.71 V                   | 297                        | 51.63                  | 1.47                           |
| 7   | 10640.00       | 59.2 PK                       | 74.0              | -14.8          | 2.08 V                   | 160                        | 47.52                  | 11.68                          |
| 8   | 10640.00       | 44.4 AV                       | 54.0              | -9.6           | 2.08 V                   | 160                        | 32.72                  | 11.68                          |
| 9   | 15960.00       | 57.6 PK                       | 74.0              | -16.4          | 2.07 V                   | 332                        | 45.15                  | 12.45                          |
| 10  | 15960.00       | 45.7 AV                       | 54.0              | -8.3           | 2.07 V                   | 332                        | 33.25                  | 12.45                          |

**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.

# ANT1, ANT3

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <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   | 5420.00        | 51.6 PK                       | 74.0              | -22.4          | 1.71 H                   | 47                         | 50.25                  | 1.35                           |
| 2   | 5420.00        | 43.7 AV                       | 54.0              | -10.3          | 1.71 H                   | 47                         | 42.35                  | 1.35                           |
| 3   | *5500.00       | 109.1 PK                      |                   |                | 1.55 H                   | 49                         | 107.59                 | 1.51                           |
| 4   | *5500.00       | 99.5 AV                       |                   |                | 1.55 H                   | 49                         | 97.99                  | 1.51                           |
| 5   | #5729.00       | 47.8 PK                       | 74.0              | -26.2          | 1.63 H                   | 95                         | 45.85                  | 1.95                           |
| 6   | #5729.00       | 41.3 AV                       | 54.0              | -12.7          | 1.63 H                   | 95                         | 39.35                  | 1.95                           |
| 7   | 11000.00       | 57.0 PK                       | 74.0              | -17.0          | 1.07 H                   | 252                        | 43.96                  | 13.04                          |
| 8   | 11000.00       | 45.2 AV                       | 54.0              | -8.8           | 1.07 H                   | 252                        | 32.16                  | 13.04                          |
| 9   | #16500.00      | 57.6 PK                       | 74.0              | -16.4          | 1.13 H                   | 73                         | 42.33                  | 15.27                          |
| 10  | #16500.00      | 46.5 AV                       | 54.0              | -7.5           | 1.13 H                   | 73                         | 31.23                  | 15.27                          |

## 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   | 5420.00        | 61.2 PK                       | 74.0              | -12.8          | 2.20 V                   | 294                        | 59.85                  | 1.35                           |
| 2   | 5420.00        | 53.5 AV                       | 54.0              | -0.5           | 2.20 V                   | 294                        | 52.15                  | 1.35                           |
| 3   | *5500.00       | 117.5 PK                      |                   |                | 2.50 V                   | 296                        | 115.99                 | 1.51                           |
| 4   | *5500.00       | 107.9 AV                      |                   |                | 2.50 V                   | 296                        | 106.39                 | 1.51                           |
| 5   | #5729.00       | 57.2 PK                       | 74.0              | -16.8          | 2.14 V                   | 300                        | 55.25                  | 1.95                           |
| 6   | #5729.00       | 50.6 AV                       | 54.0              | -3.4           | 2.14 V                   | 300                        | 48.65                  | 1.95                           |
| 7   | 11000.00       | 59.2 PK                       | 74.0              | -14.8          | 2.02 V                   | 152                        | 46.16                  | 13.04                          |
| 8   | 11000.00       | 44.2 AV                       | 54.0              | -9.8           | 2.02 V                   | 152                        | 31.16                  | 13.04                          |
| 9   | #16500.00      | 58.2 PK                       | 74.0              | -15.8          | 2.06 V                   | 347                        | 42.93                  | 15.27                          |
| 10  | #16500.00      | 46.2 AV                       | 54.0              | -7.8           | 2.06 V                   | 347                        | 30.93                  | 15.27                          |

## 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 116 | 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   | 5420.00        | 58.5 PK                       | 74.0              | -15.5          | 1.67 H                   | 76                         | 57.15                  | 1.35                           |
| 2   | 5420.00        | 42.7 AV                       | 54.0              | -11.3          | 1.67 H                   | 76                         | 41.35                  | 1.35                           |
| 3   | *5580.00       | 108.0 PK                      |                   |                | 1.54 H                   | 36                         | 106.34                 | 1.66                           |
| 4   | *5580.00       | 98.8 AV                       |                   |                | 1.54 H                   | 36                         | 97.14                  | 1.66                           |
| 5   | #5740.00       | 52.8 PK                       | 74.0              | -21.2          | 1.66 H                   | 76                         | 50.84                  | 1.96                           |
| 6   | #5740.00       | 42.1 AV                       | 54.0              | -11.9          | 1.66 H                   | 76                         | 40.14                  | 1.96                           |
| 7   | 11160.00       | 58.3 PK                       | 74.0              | -15.7          | 1.08 H                   | 254                        | 45.48                  | 12.82                          |
| 8   | 11160.00       | 46.3 AV                       | 54.0              | -7.7           | 1.08 H                   | 254                        | 33.48                  | 12.82                          |
| 9   | #16740.00      | 57.6 PK                       | 74.0              | -16.4          | 1.03 H                   | 58                         | 41.61                  | 15.99                          |
| 10  | #16740.00      | 46.4 AV                       | 54.0              | -7.6           | 1.03 H                   | 58                         | 30.41                  | 15.99                          |

**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   | 5420.00        | 60.6 PK                       | 74.0              | -13.4          | 2.31 V                   | 249                        | 59.25                  | 1.35                           |
| 2   | 5420.00        | 52.6 AV                       | 54.0              | -1.4           | 2.31 V                   | 249                        | 51.25                  | 1.35                           |
| 3   | *5580.00       | 116.0 PK                      |                   |                | 2.50 V                   | 294                        | 114.34                 | 1.66                           |
| 4   | *5580.00       | 107.5 AV                      |                   |                | 2.50 V                   | 294                        | 105.84                 | 1.66                           |
| 5   | #5740.00       | 60.7 PK                       | 74.0              | -13.3          | 2.27 V                   | 246                        | 58.74                  | 1.96                           |
| 6   | #5740.00       | 52.7 AV                       | 54.0              | -1.3           | 2.27 V                   | 246                        | 50.74                  | 1.96                           |
| 7   | 11160.00       | 58.3 PK                       | 74.0              | -15.7          | 2.05 V                   | 170                        | 45.48                  | 12.82                          |
| 8   | 11160.00       | 43.6 AV                       | 54.0              | -10.4          | 2.05 V                   | 170                        | 30.78                  | 12.82                          |
| 9   | #16740.00      | 57.7 PK                       | 74.0              | -16.3          | 2.18 V                   | 335                        | 41.71                  | 15.99                          |
| 10  | #16740.00      | 45.9 AV                       | 54.0              | -8.1           | 2.18 V                   | 335                        | 29.91                  | 15.99                          |

**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   | #5225.00       | 50.2 PK                       | 74.0              | -23.8          | 1.60 H                   | 47                         | 49.17                  | 1.03                           |
| 2   | #5225.00       | 41.0 AV                       | 54.0              | -13.0          | 1.60 H                   | 47                         | 39.97                  | 1.03                           |
| 3   | *5700.00       | 107.7 PK                      |                   |                | 1.49 H                   | 44                         | 105.81                 | 1.89                           |
| 4   | *5700.00       | 99.2 AV                       |                   |                | 1.49 H                   | 44                         | 97.31                  | 1.89                           |
| 5   | #5725.00       | 58.7 PK                       | 74.0              | -15.3          | 1.69 H                   | 60                         | 56.77                  | 1.93                           |
| 6   | #5725.00       | 42.8 AV                       | 54.0              | -11.2          | 1.69 H                   | 60                         | 40.87                  | 1.93                           |
| 7   | #5780.00       | 52.2 PK                       | 74.0              | -21.8          | 1.57 H                   | 103                        | 50.14                  | 2.06                           |
| 8   | #5780.00       | 41.4 AV                       | 54.0              | -12.6          | 1.57 H                   | 103                        | 39.34                  | 2.06                           |
| 9   | 11400.00       | 57.7 PK                       | 74.0              | -16.3          | 1.00 H                   | 247                        | 44.82                  | 12.88                          |
| 10  | 11400.00       | 45.9 AV                       | 54.0              | -8.1           | 1.00 H                   | 247                        | 33.02                  | 12.88                          |
| 11  | #17100.00      | 57.8 PK                       | 74.0              | -16.2          | 1.07 H                   | 79                         | 40.49                  | 17.31                          |
| 12  | #17100.00      | 46.6 AV                       | 54.0              | -7.4           | 1.07 H                   | 79                         | 29.29                  | 17.31                          |

**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   | #5225.00       | 55.5 PK                       | 74.0              | -18.5          | 2.16 V                   | 243                        | 54.47                  | 1.03                           |
| 2   | #5225.00       | 47.8 AV                       | 54.0              | -6.2           | 2.16 V                   | 243                        | 46.77                  | 1.03                           |
| 3   | *5700.00       | 115.7 PK                      |                   |                | 2.29 V                   | 290                        | 113.81                 | 1.89                           |
| 4   | *5700.00       | 107.3 AV                      |                   |                | 2.29 V                   | 290                        | 105.41                 | 1.89                           |
| 5   | #5725.00       | 69.8 PK                       | 74.0              | -4.2           | 2.30 V                   | 242                        | 67.87                  | 1.93                           |
| 6   | #5725.00       | 53.1 AV                       | 54.0              | -0.9           | 2.30 V                   | 242                        | 51.17                  | 1.93                           |
| 7   | #5780.00       | 62.8 PK                       | 74.0              | -11.2          | 2.16 V                   | 244                        | 60.74                  | 2.06                           |
| 8   | #5780.00       | 53.6 AV                       | 54.0              | -0.4           | 2.16 V                   | 244                        | 51.54                  | 2.06                           |
| 9   | 11400.00       | 58.1 PK                       | 74.0              | -15.9          | 2.04 V                   | 178                        | 45.22                  | 12.88                          |
| 10  | 11400.00       | 43.3 AV                       | 54.0              | -10.7          | 2.04 V                   | 178                        | 30.42                  | 12.88                          |
| 11  | #17100.00      | 58.0 PK                       | 74.0              | -16.0          | 2.15 V                   | 323                        | 40.69                  | 17.31                          |
| 12  | #17100.00      | 46.0 AV                       | 54.0              | -8.0           | 2.15 V                   | 323                        | 28.69                  | 17.31                          |

**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 144 | 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   | #5243.00       | 52.9 PK                       | 74.0              | -21.1          | 1.62 H                   | 90                         | 51.81                  | 1.09                           |
| 2   | #5243.00       | 41.9 AV                       | 54.0              | -12.1          | 1.62 H                   | 90                         | 40.81                  | 1.09                           |
| 3   | *5720.00       | 109.5 PK                      |                   |                | 1.50 H                   | 45                         | 107.58                 | 1.92                           |
| 4   | *5720.00       | 99.2 AV                       |                   |                | 1.50 H                   | 45                         | 97.28                  | 1.92                           |
| 5   | #5880.00       | 58.8 PK                       | 74.0              | -15.2          | 1.66 H                   | 79                         | 56.66                  | 2.14                           |
| 6   | #5880.00       | 42.9 AV                       | 54.0              | -11.1          | 1.66 H                   | 79                         | 40.76                  | 2.14                           |
| 7   | 11440.00       | 58.2 PK                       | 74.0              | -15.8          | 1.05 H                   | 251                        | 45.33                  | 12.87                          |
| 8   | 11440.00       | 46.2 AV                       | 54.0              | -7.8           | 1.05 H                   | 251                        | 33.33                  | 12.87                          |
| 9   | #17160.00      | 57.4 PK                       | 74.0              | -16.6          | 1.03 H                   | 78                         | 40.01                  | 17.39                          |
| 10  | #17160.00      | 46.2 AV                       | 54.0              | -7.8           | 1.03 H                   | 78                         | 28.81                  | 17.39                          |

**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   | #5243.00       | 53.9 PK                       | 74.0              | -20.1          | 2.55 V                   | 304                        | 52.81                  | 1.09                           |
| 2   | #5243.00       | 48.7 AV                       | 54.0              | -5.3           | 2.55 V                   | 304                        | 47.61                  | 1.09                           |
| 3   | *5720.00       | 117.6 PK                      |                   |                | 2.52 V                   | 310                        | 115.68                 | 1.92                           |
| 4   | *5720.00       | 108.0 AV                      |                   |                | 2.52 V                   | 310                        | 106.08                 | 1.92                           |
| 5   | #5880.00       | 63.9 PK                       | 74.0              | -10.1          | 2.51 V                   | 313                        | 61.76                  | 2.14                           |
| 6   | #5880.00       | 53.4 AV                       | 54.0              | -0.6           | 2.51 V                   | 313                        | 51.26                  | 2.14                           |
| 7   | 11440.00       | 57.9 PK                       | 74.0              | -16.1          | 2.00 V                   | 192                        | 45.03                  | 12.87                          |
| 8   | 11440.00       | 42.9 AV                       | 54.0              | -11.1          | 2.00 V                   | 192                        | 30.03                  | 12.87                          |
| 9   | #17160.00      | 58.0 PK                       | 74.0              | -16.0          | 2.12 V                   | 337                        | 40.61                  | 17.39                          |
| 10  | #17160.00      | 45.9 AV                       | 54.0              | -8.1           | 2.12 V                   | 337                        | 28.51                  | 17.39                          |

**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.

**ANT2, ANT3**
**802.11ac VHT20**

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

| <b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b> |                |                               |                   |                |                          |                            |                        |                                |
|----------------------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 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                                                              | 5100.00        | 59.0 PK                       | 74.0              | -15.0          | 1.53 H                   | 79                         | 58.33                  | 0.67                           |
| 2                                                              | 5100.00        | 43.6 AV                       | 54.0              | -10.4          | 1.53 H                   | 79                         | 42.93                  | 0.67                           |
| 3                                                              | *5260.00       | 110.2 PK                      |                   |                | 1.51 H                   | 66                         | 109.05                 | 1.15                           |
| 4                                                              | *5260.00       | 100.5 AV                      |                   |                | 1.51 H                   | 66                         | 99.35                  | 1.15                           |
| 5                                                              | 5420.00        | 50.2 PK                       | 74.0              | -23.8          | 1.76 H                   | 57                         | 48.85                  | 1.35                           |
| 6                                                              | 5420.00        | 41.4 AV                       | 54.0              | -12.6          | 1.76 H                   | 57                         | 40.05                  | 1.35                           |
| 7                                                              | #10520.00      | 58.3 PK                       | 74.0              | -15.7          | 1.00 H                   | 265                        | 47.05                  | 11.25                          |
| 8                                                              | #10520.00      | 46.3 AV                       | 54.0              | -7.7           | 1.00 H                   | 265                        | 35.05                  | 11.25                          |
| 9                                                              | 15780.00       | 57.5 PK                       | 74.0              | -16.5          | 1.10 H                   | 88                         | 45.25                  | 12.25                          |
| 10                                                             | 15780.00       | 45.9 AV                       | 54.0              | -8.1           | 1.10 H                   | 88                         | 33.65                  | 12.25                          |
| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>   |                |                               |                   |                |                          |                            |                        |                                |
| 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                                                              | 5100.00        | 62.9 PK                       | 74.0              | -11.1          | 3.17 V                   | 196                        | 62.23                  | 0.67                           |
| 2                                                              | 5100.00        | 52.9 AV                       | 54.0              | -1.1           | 3.17 V                   | 196                        | 52.23                  | 0.67                           |
| 3                                                              | *5260.00       | 117.4 PK                      |                   |                | 2.86 V                   | 194                        | 116.25                 | 1.15                           |
| 4                                                              | *5260.00       | 107.7 AV                      |                   |                | 2.86 V                   | 194                        | 106.55                 | 1.15                           |
| 5                                                              | 5420.00        | 63.0 PK                       | 74.0              | -11.0          | 2.93 V                   | 186                        | 61.65                  | 1.35                           |
| 6                                                              | 5420.00        | 53.6 AV                       | 54.0              | -0.4           | 2.93 V                   | 186                        | 52.25                  | 1.35                           |
| 7                                                              | #10520.00      | 58.2 PK                       | 74.0              | -15.8          | 1.96 V                   | 158                        | 46.95                  | 11.25                          |
| 8                                                              | #10520.00      | 43.2 AV                       | 54.0              | -10.8          | 1.96 V                   | 158                        | 31.95                  | 11.25                          |
| 9                                                              | 15780.00       | 57.5 PK                       | 74.0              | -16.5          | 2.17 V                   | 356                        | 45.25                  | 12.25                          |
| 10                                                             | 15780.00       | 45.3 AV                       | 54.0              | -8.7           | 2.17 V                   | 356                        | 33.05                  | 12.25                          |

**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   | 5130.00        | 58.5 PK                       | 74.0              | -15.5          | 1.48 H                   | 72                         | 57.76                  | 0.74                           |
| 2   | 5130.00        | 43.4 AV                       | 54.0              | -10.6          | 1.48 H                   | 72                         | 42.66                  | 0.74                           |
| 3   | *5300.00       | 110.3 PK                      |                   |                | 1.48 H                   | 64                         | 109.03                 | 1.27                           |
| 4   | *5300.00       | 100.4 AV                      |                   |                | 1.48 H                   | 64                         | 99.13                  | 1.27                           |
| 5   | 5380.00        | 49.7 PK                       | 74.0              | -24.3          | 1.74 H                   | 64                         | 48.40                  | 1.30                           |
| 6   | 5380.00        | 41.0 AV                       | 54.0              | -13.0          | 1.74 H                   | 64                         | 39.70                  | 1.30                           |
| 7   | 10600.00       | 58.5 PK                       | 74.0              | -15.5          | 1.00 H                   | 264                        | 46.86                  | 11.64                          |
| 8   | 10600.00       | 46.7 AV                       | 54.0              | -7.3           | 1.00 H                   | 264                        | 35.06                  | 11.64                          |
| 9   | 15900.00       | 56.9 PK                       | 74.0              | -17.1          | 1.11 H                   | 85                         | 44.43                  | 12.47                          |
| 10  | 15900.00       | 45.4 AV                       | 54.0              | -8.6           | 1.11 H                   | 85                         | 32.93                  | 12.47                          |

**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   | 5130.00        | 62.8 PK                       | 74.0              | -11.2          | 3.07 V                   | 197                        | 62.06                  | 0.74                           |
| 2   | 5130.00        | 52.7 AV                       | 54.0              | -1.3           | 3.07 V                   | 197                        | 51.96                  | 0.74                           |
| 3   | *5300.00       | 117.6 PK                      |                   |                | 3.17 V                   | 165                        | 116.33                 | 1.27                           |
| 4   | *5300.00       | 107.7 AV                      |                   |                | 3.17 V                   | 165                        | 106.43                 | 1.27                           |
| 5   | 5380.00        | 64.3 PK                       | 74.0              | -9.7           | 3.03 V                   | 187                        | 63.00                  | 1.30                           |
| 6   | 5380.00        | 53.5 AV                       | 54.0              | -0.5           | 3.03 V                   | 187                        | 52.20                  | 1.30                           |
| 7   | 10600.00       | 57.5 PK                       | 74.0              | -16.5          | 2.03 V                   | 161                        | 45.86                  | 11.64                          |
| 8   | 10600.00       | 42.8 AV                       | 54.0              | -11.2          | 2.03 V                   | 161                        | 31.16                  | 11.64                          |
| 9   | 15900.00       | 57.0 PK                       | 74.0              | -17.0          | 2.17 V                   | 347                        | 44.53                  | 12.47                          |
| 10  | 15900.00       | 44.6 AV                       | 54.0              | -9.4           | 2.17 V                   | 347                        | 32.13                  | 12.47                          |

**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       | 110.3 PK                      |                   |                | 1.42 H                   | 71                         | 109.02                 | 1.28                           |
| 2   | *5320.00       | 100.1 AV                      |                   |                | 1.42 H                   | 71                         | 98.82                  | 1.28                           |
| 3   | 5350.00        | 51.5 PK                       | 74.0              | -22.5          | 1.58 H                   | 21                         | 50.20                  | 1.30                           |
| 4   | 5350.00        | 41.4 AV                       | 54.0              | -12.6          | 1.58 H                   | 21                         | 40.10                  | 1.30                           |
| 5   | 5400.00        | 58.3 PK                       | 74.0              | -15.7          | 1.52 H                   | 106                        | 56.99                  | 1.31                           |
| 6   | 5400.00        | 43.3 AV                       | 54.0              | -10.7          | 1.52 H                   | 106                        | 41.99                  | 1.31                           |
| 7   | #5480.00       | 51.0 PK                       | 74.0              | -23.0          | 1.81 H                   | 42                         | 49.53                  | 1.47                           |
| 8   | #5480.00       | 41.6 AV                       | 54.0              | -12.4          | 1.81 H                   | 42                         | 40.13                  | 1.47                           |
| 9   | 10640.00       | 58.3 PK                       | 74.0              | -15.7          | 1.00 H                   | 250                        | 46.62                  | 11.68                          |
| 10  | 10640.00       | 46.5 AV                       | 54.0              | -7.5           | 1.00 H                   | 250                        | 34.82                  | 11.68                          |
| 11  | 15960.00       | 57.1 PK                       | 74.0              | -16.9          | 1.15 H                   | 89                         | 44.65                  | 12.45                          |
| 12  | 15960.00       | 45.7 AV                       | 54.0              | -8.3           | 1.15 H                   | 89                         | 33.25                  | 12.45                          |

**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       | 118.0 PK                      |                   |                | 2.73 V                   | 177                        | 116.72                 | 1.28                           |
| 2   | *5320.00       | 107.4 AV                      |                   |                | 2.73 V                   | 177                        | 106.12                 | 1.28                           |
| 3   | 5350.00        | 70.6 PK                       | 74.0              | -3.4           | 2.60 V                   | 129                        | 69.30                  | 1.30                           |
| 4   | 5350.00        | 50.3 AV                       | 54.0              | -3.7           | 2.60 V                   | 129                        | 49.00                  | 1.30                           |
| 5   | 5400.00        | 63.8 PK                       | 74.0              | -10.2          | 2.82 V                   | 177                        | 62.49                  | 1.31                           |
| 6   | 5400.00        | 51.2 AV                       | 54.0              | -2.8           | 2.82 V                   | 177                        | 49.89                  | 1.31                           |
| 7   | #5480.00       | 63.5 PK                       | 74.0              | -10.5          | 1.04 V                   | 267                        | 62.03                  | 1.47                           |
| 8   | #5480.00       | 53.8 AV                       | 54.0              | -0.2           | 1.04 V                   | 267                        | 52.33                  | 1.47                           |
| 9   | 10640.00       | 57.4 PK                       | 74.0              | -16.6          | 2.00 V                   | 175                        | 45.72                  | 11.68                          |
| 10  | 10640.00       | 42.6 AV                       | 54.0              | -11.4          | 2.00 V                   | 175                        | 30.92                  | 11.68                          |
| 11  | 15960.00       | 57.2 PK                       | 74.0              | -16.8          | 2.20 V                   | 355                        | 44.75                  | 12.45                          |
| 12  | 15960.00       | 45.3 AV                       | 54.0              | -8.7           | 2.20 V                   | 355                        | 32.85                  | 12.45                          |

**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.

# ANT1, ANT3

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 100 | 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                                                   | #5340.00       | 58.5 PK                       | 74.0              | -15.5          | 1.48 H                   | 104                        | 57.21                  | 1.29                           |
| 2                                                   | #5340.00       | 43.5 AV                       | 54.0              | -10.5          | 1.48 H                   | 104                        | 42.21                  | 1.29                           |
| 3                                                   | 5420.00        | 52.1 PK                       | 74.0              | -21.9          | 1.56 H                   | 25                         | 50.75                  | 1.35                           |
| 4                                                   | 5420.00        | 41.8 AV                       | 54.0              | -12.2          | 1.56 H                   | 25                         | 40.45                  | 1.35                           |
| 5                                                   | #5470.00       | 51.1 PK                       | 74.0              | -22.9          | 1.85 H                   | 49                         | 49.65                  | 1.45                           |
| 6                                                   | #5470.00       | 41.8 AV                       | 54.0              | -12.2          | 1.85 H                   | 49                         | 40.35                  | 1.45                           |
| 7                                                   | *5500.00       | 110.2 PK                      |                   |                | 1.37 H                   | 66                         | 108.69                 | 1.51                           |
| 8                                                   | *5500.00       | 100.3 AV                      |                   |                | 1.37 H                   | 66                         | 98.79                  | 1.51                           |
| 9                                                   | 11000.00       | 58.9 PK                       | 74.0              | -15.1          | 1.00 H                   | 265                        | 45.86                  | 13.04                          |
| 10                                                  | 11000.00       | 46.8 AV                       | 54.0              | -7.2           | 1.00 H                   | 265                        | 33.76                  | 13.04                          |
| 11                                                  | #16500.00      | 57.1 PK                       | 74.0              | -16.9          | 1.20 H                   | 81                         | 41.83                  | 15.27                          |
| 12                                                  | #16500.00      | 45.6 AV                       | 54.0              | -8.4           | 1.20 H                   | 81                         | 30.33                  | 15.27                          |

| 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                                                 | #5340.00       | 62.3 PK                       | 74.0              | -11.7          | 2.56 V                   | 308                        | 61.01                  | 1.29                           |
| 2                                                 | #5340.00       | 52.2 AV                       | 54.0              | -1.8           | 2.56 V                   | 308                        | 50.91                  | 1.29                           |
| 3                                                 | 5420.00        | 63.2 PK                       | 74.0              | -10.8          | 2.61 V                   | 297                        | 61.85                  | 1.35                           |
| 4                                                 | 5420.00        | 52.5 AV                       | 54.0              | -1.5           | 2.61 V                   | 297                        | 51.15                  | 1.35                           |
| 5                                                 | #5470.00       | 73.9 PK                       | 74.0              | -0.1           | 2.59 V                   | 308                        | 72.45                  | 1.45                           |
| 6                                                 | #5470.00       | 53.0 AV                       | 54.0              | -1.0           | 2.59 V                   | 308                        | 51.55                  | 1.45                           |
| 7                                                 | *5500.00       | 118.3 PK                      |                   |                | 2.59 V                   | 312                        | 116.79                 | 1.51                           |
| 8                                                 | *5500.00       | 107.6 AV                      |                   |                | 2.59 V                   | 312                        | 106.09                 | 1.51                           |
| 9                                                 | 11000.00       | 57.5 PK                       | 74.0              | -16.5          | 1.99 V                   | 175                        | 44.46                  | 13.04                          |
| 10                                                | 11000.00       | 42.5 AV                       | 54.0              | -11.5          | 1.99 V                   | 175                        | 29.46                  | 13.04                          |
| 11                                                | #16500.00      | 57.4 PK                       | 74.0              | -16.6          | 2.14 V                   | 360                        | 42.13                  | 15.27                          |
| 12                                                | #16500.00      | 45.6 AV                       | 54.0              | -8.4           | 2.14 V                   | 360                        | 30.33                  | 15.27                          |

## 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 116 | 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   | 5420.00        | 52.0 PK                       | 74.0              | -22.0          | 1.59 H                   | 22                         | 50.65                  | 1.35                           |
| 2   | 5420.00        | 42.0 AV                       | 54.0              | -12.0          | 1.59 H                   | 22                         | 40.65                  | 1.35                           |
| 3   | *5580.00       | 111.6 PK                      |                   |                | 1.42 H                   | 57                         | 109.94                 | 1.66                           |
| 4   | *5580.00       | 100.6 AV                      |                   |                | 1.42 H                   | 57                         | 98.94                  | 1.66                           |
| 5   | #5740.00       | 50.6 PK                       | 74.0              | -23.4          | 1.91 H                   | 47                         | 48.64                  | 1.96                           |
| 6   | #5740.00       | 41.6 AV                       | 54.0              | -12.4          | 1.91 H                   | 47                         | 39.64                  | 1.96                           |
| 7   | 11160.00       | 58.7 PK                       | 74.0              | -15.3          | 1.00 H                   | 256                        | 45.88                  | 12.82                          |
| 8   | 11160.00       | 46.5 AV                       | 54.0              | -7.5           | 1.00 H                   | 256                        | 33.68                  | 12.82                          |
| 9   | #16740.00      | 57.3 PK                       | 74.0              | -16.7          | 1.16 H                   | 67                         | 41.31                  | 15.99                          |
| 10  | #16740.00      | 45.9 AV                       | 54.0              | -8.1           | 1.16 H                   | 67                         | 29.91                  | 15.99                          |

**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   | 5420.00        | 61.5 PK                       | 74.0              | -12.5          | 2.93 V                   | 162                        | 60.15                  | 1.35                           |
| 2   | 5420.00        | 53.0 AV                       | 54.0              | -1.0           | 2.93 V                   | 162                        | 51.65                  | 1.35                           |
| 3   | *5580.00       | 118.6 PK                      |                   |                | 2.68 V                   | 188                        | 116.94                 | 1.66                           |
| 4   | *5580.00       | 108.3 AV                      |                   |                | 2.68 V                   | 188                        | 106.64                 | 1.66                           |
| 5   | #5740.00       | 63.2 PK                       | 74.0              | -10.8          | 2.70 V                   | 171                        | 61.24                  | 1.96                           |
| 6   | #5740.00       | 53.1 AV                       | 54.0              | -0.9           | 2.70 V                   | 171                        | 51.14                  | 1.96                           |
| 7   | 11160.00       | 57.1 PK                       | 74.0              | -16.9          | 2.00 V                   | 169                        | 44.28                  | 12.82                          |
| 8   | 11160.00       | 42.3 AV                       | 54.0              | -11.7          | 2.00 V                   | 169                        | 29.48                  | 12.82                          |
| 9   | #16740.00      | 57.5 PK                       | 74.0              | -16.5          | 2.20 V                   | 352                        | 41.51                  | 15.99                          |
| 10  | #16740.00      | 46.0 AV                       | 54.0              | -8.0           | 2.20 V                   | 352                        | 30.01                  | 15.99                          |

**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       | 107.9 PK                      |                   |                | 1.41 H                   | 68                         | 106.01                 | 1.89                           |
| 2   | *5700.00       | 97.9 AV                       |                   |                | 1.41 H                   | 68                         | 96.01                  | 1.89                           |
| 3   | #5725.00       | 60.7 PK                       | 74.0              | -13.3          | 1.91 H                   | 33                         | 58.77                  | 1.93                           |
| 4   | #5725.00       | 43.7 AV                       | 54.0              | -10.3          | 1.91 H                   | 33                         | 41.77                  | 1.93                           |
| 5   | 11400.00       | 58.8 PK                       | 74.0              | -15.2          | 1.01 H                   | 264                        | 45.92                  | 12.88                          |
| 6   | 11400.00       | 46.5 AV                       | 54.0              | -7.5           | 1.01 H                   | 264                        | 33.62                  | 12.88                          |
| 7   | #17100.00      | 57.4 PK                       | 74.0              | -16.6          | 1.14 H                   | 51                         | 40.09                  | 17.31                          |
| 8   | #17100.00      | 46.3 AV                       | 54.0              | -7.7           | 1.14 H                   | 51                         | 28.99                  | 17.31                          |

**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       | 115.3 PK                      |                   |                | 2.90 V                   | 127                        | 113.41                 | 1.89                           |
| 2   | *5700.00       | 105.9 AV                      |                   |                | 2.90 V                   | 127                        | 104.01                 | 1.89                           |
| 3   | #5725.00       | 70.5 PK                       | 74.0              | -3.5           | 2.88 V                   | 124                        | 68.57                  | 1.93                           |
| 4   | #5725.00       | 53.4 AV                       | 54.0              | -0.6           | 2.88 V                   | 124                        | 51.47                  | 1.93                           |
| 5   | 11400.00       | 56.9 PK                       | 74.0              | -17.1          | 2.03 V                   | 154                        | 44.02                  | 12.88                          |
| 6   | 11400.00       | 42.3 AV                       | 54.0              | -11.7          | 2.03 V                   | 154                        | 29.42                  | 12.88                          |
| 7   | #17100.00      | 57.8 PK                       | 74.0              | -16.2          | 2.16 V                   | 360                        | 40.49                  | 17.31                          |
| 8   | #17100.00      | 46.4 AV                       | 54.0              | -7.6           | 2.16 V                   | 360                        | 29.09                  | 17.31                          |

**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 144 | 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   | *5720.00       | 109.5 PK                      |                   |                | 1.44 H                   | 53                         | 107.58                 | 1.92                           |
| 2   | *5720.00       | 99.0 AV                       |                   |                | 1.44 H                   | 53                         | 97.08                  | 1.92                           |
| 3   | #5880.00       | 52.7 PK                       | 74.0              | -21.3          | 1.66 H                   | 100                        | 50.56                  | 2.14                           |
| 4   | #5880.00       | 42.0 AV                       | 54.0              | -12.0          | 1.66 H                   | 100                        | 39.86                  | 2.14                           |
| 5   | 11440.00       | 58.3 PK                       | 74.0              | -15.7          | 1.07 H                   | 245                        | 45.43                  | 12.87                          |
| 6   | 11440.00       | 46.3 AV                       | 54.0              | -7.7           | 1.07 H                   | 245                        | 33.43                  | 12.87                          |
| 7   | #17160.00      | 57.6 PK                       | 74.0              | -16.4          | 1.02 H                   | 68                         | 40.21                  | 17.39                          |
| 8   | #17160.00      | 46.7 AV                       | 54.0              | -7.3           | 1.02 H                   | 68                         | 29.31                  | 17.39                          |

**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   | *5720.00       | 117.9 PK                      |                   |                | 2.48 V                   | 311                        | 115.98                 | 1.92                           |
| 2   | *5720.00       | 107.6 AV                      |                   |                | 2.48 V                   | 311                        | 105.68                 | 1.92                           |
| 3   | #5880.00       | 62.9 PK                       | 74.0              | -11.1          | 2.37 V                   | 266                        | 60.76                  | 2.14                           |
| 4   | #5880.00       | 53.2 AV                       | 54.0              | -0.8           | 2.37 V                   | 266                        | 51.06                  | 2.14                           |
| 5   | 11440.00       | 57.2 PK                       | 74.0              | -16.8          | 2.06 V                   | 167                        | 44.33                  | 12.87                          |
| 6   | 11440.00       | 42.7 AV                       | 54.0              | -11.3          | 2.06 V                   | 167                        | 29.83                  | 12.87                          |
| 7   | #17160.00      | 57.8 PK                       | 74.0              | -16.2          | 2.19 V                   | 360                        | 40.41                  | 17.39                          |
| 8   | #17160.00      | 46.1 AV                       | 54.0              | -7.9           | 2.19 V                   | 360                        | 28.71                  | 17.39                          |

**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.

ANT2, ANT3

802.11ac VHT40

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <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                                                   | 5110.00        | 45.8 PK                       | 74.0              | -28.2          | 1.41 H                   | 12                         | 45.10                  | 0.70                           |
| 2                                                   | 5110.00        | 36.3 AV                       | 54.0              | -17.7          | 1.41 H                   | 12                         | 35.60                  | 0.70                           |
| 3                                                   | *5270.00       | 110.4 PK                      |                   |                | 1.48 H                   | 96                         | 109.23                 | 1.17                           |
| 4                                                   | *5270.00       | 96.6 AV                       |                   |                | 1.48 H                   | 96                         | 95.43                  | 1.17                           |
| 5                                                   | 5350.00        | 58.3 PK                       | 74.0              | -15.7          | 1.46 H                   | 122                        | 57.00                  | 1.30                           |
| 6                                                   | 5350.00        | 46.8 AV                       | 54.0              | -7.2           | 1.46 H                   | 122                        | 45.50                  | 1.30                           |
| 7                                                   | 5430.00        | 59.4 PK                       | 74.0              | -14.6          | 1.56 H                   | 118                        | 58.03                  | 1.37                           |
| 8                                                   | 5430.00        | 43.9 AV                       | 54.0              | -10.1          | 1.56 H                   | 118                        | 42.53                  | 1.37                           |
| 9                                                   | #10540.00      | 58.4 PK                       | 74.0              | -15.6          | 1.07 H                   | 272                        | 47.05                  | 11.35                          |
| 10                                                  | #10540.00      | 46.9 AV                       | 54.0              | -7.1           | 1.07 H                   | 272                        | 35.55                  | 11.35                          |
| 11                                                  | 15810.00       | 58.2 PK                       | 74.0              | -15.8          | 1.06 H                   | 60                         | 45.94                  | 12.26                          |
| 12                                                  | 15810.00       | 47.5 AV                       | 54.0              | -6.5           | 1.06 H                   | 60                         | 35.24                  | 12.26                          |
| 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                                                   | 5110.00        | 60.9 PK                       | 74.0              | -13.1          | 2.31 V                   | 307                        | 60.20                  | 0.70                           |
| 2                                                   | 5110.00        | 49.5 AV                       | 54.0              | -4.5           | 2.31 V                   | 307                        | 48.80                  | 0.70                           |
| 3                                                   | *5270.00       | 116.1 PK                      |                   |                | 2.74 V                   | 234                        | 114.93                 | 1.17                           |
| 4                                                   | *5270.00       | 105.2 AV                      |                   |                | 2.74 V                   | 234                        | 104.03                 | 1.17                           |
| 5                                                   | 5350.00        | 69.2 PK                       | 74.0              | -4.8           | 2.33 V                   | 304                        | 67.90                  | 1.30                           |
| 6                                                   | 5350.00        | 53.7 AV                       | 54.0              | -0.3           | 2.33 V                   | 304                        | 52.40                  | 1.30                           |
| 7                                                   | 5430.00        | 61.7 PK                       | 74.0              | -12.3          | 2.28 V                   | 258                        | 60.33                  | 1.37                           |
| 8                                                   | 5430.00        | 50.9 AV                       | 54.0              | -3.1           | 2.28 V                   | 258                        | 49.53                  | 1.37                           |
| 9                                                   | #10540.00      | 56.2 PK                       | 74.0              | -17.8          | 2.26 V                   | 175                        | 44.85                  | 11.35                          |
| 10                                                  | #10540.00      | 42.0 AV                       | 54.0              | -12.0          | 2.26 V                   | 175                        | 30.65                  | 11.35                          |
| 11                                                  | 15810.00       | 59.2 PK                       | 74.0              | -14.8          | 2.28 V                   | 360                        | 46.94                  | 12.26                          |
| 12                                                  | 15810.00       | 48.0 AV                       | 54.0              | -6.0           | 2.28 V                   | 360                        | 35.74                  | 12.26                          |

**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       | 103.5 PK                      |                   |                | 1.42 H                   | 98                         | 102.23                 | 1.27                           |
| 2   | *5310.00       | 89.7 AV                       |                   |                | 1.42 H                   | 98                         | 88.43                  | 1.27                           |
| 3   | 5350.00        | 59.0 PK                       | 74.0              | -15.0          | 1.48 H                   | 0                          | 57.70                  | 1.30                           |
| 4   | 5350.00        | 47.7 AV                       | 54.0              | -6.3           | 1.48 H                   | 0                          | 46.40                  | 1.30                           |
| 5   | 10620.00       | 58.6 PK                       | 74.0              | -15.4          | 1.04 H                   | 271                        | 46.95                  | 11.65                          |
| 6   | 10620.00       | 46.8 AV                       | 54.0              | -7.2           | 1.04 H                   | 271                        | 35.15                  | 11.65                          |
| 7   | 15930.00       | 58.2 PK                       | 74.0              | -15.8          | 1.11 H                   | 44                         | 45.74                  | 12.46                          |
| 8   | 15930.00       | 47.5 AV                       | 54.0              | -6.5           | 1.11 H                   | 44                         | 35.04                  | 12.46                          |

**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       | 110.2 PK                      |                   |                | 2.61 V                   | 302                        | 108.93                 | 1.27                           |
| 2   | *5310.00       | 99.0 AV                       |                   |                | 2.61 V                   | 302                        | 97.73                  | 1.27                           |
| 3   | 5350.00        | 68.6 PK                       | 74.0              | -5.4           | 2.61 V                   | 309                        | 67.30                  | 1.30                           |
| 4   | 5350.00        | 53.3 AV                       | 54.0              | -0.7           | 2.61 V                   | 309                        | 52.00                  | 1.30                           |
| 5   | 10620.00       | 56.4 PK                       | 74.0              | -17.6          | 2.20 V                   | 175                        | 44.75                  | 11.65                          |
| 6   | 10620.00       | 42.2 AV                       | 54.0              | -11.8          | 2.20 V                   | 175                        | 30.55                  | 11.65                          |
| 7   | 15930.00       | 58.8 PK                       | 74.0              | -15.2          | 2.27 V                   | 360                        | 46.34                  | 12.46                          |
| 8   | 15930.00       | 47.7 AV                       | 54.0              | -6.3           | 2.27 V                   | 360                        | 35.24                  | 12.46                          |

**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.

### ANT1, ANT3

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <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       | 58.5 PK                       | 74.0              | -15.5          | 1.48 H                   | 0                          | 57.05                  | 1.45                           |
| 2   | #5470.00       | 47.2 AV                       | 54.0              | -6.8           | 1.48 H                   | 0                          | 45.75                  | 1.45                           |
| 3   | *5510.00       | 102.3 PK                      |                   |                | 1.52 H                   | 100                        | 100.78                 | 1.52                           |
| 4   | *5510.00       | 90.2 AV                       |                   |                | 1.52 H                   | 100                        | 88.68                  | 1.52                           |
| 5   | #5970.00       | 59.7 PK                       | 74.0              | -14.3          | 1.61 H                   | 119                        | 57.28                  | 2.42                           |
| 6   | #5970.00       | 44.2 AV                       | 54.0              | -9.8           | 1.61 H                   | 119                        | 41.78                  | 2.42                           |
| 7   | 11020.00       | 58.5 PK                       | 74.0              | -15.5          | 1.08 H                   | 258                        | 45.49                  | 13.01                          |
| 8   | 11020.00       | 47.0 AV                       | 54.0              | -7.0           | 1.08 H                   | 258                        | 33.99                  | 13.01                          |
| 9   | #16530.00      | 58.1 PK                       | 74.0              | -15.9          | 1.05 H                   | 54                         | 42.69                  | 15.41                          |
| 10  | #16530.00      | 47.3 AV                       | 54.0              | -6.7           | 1.05 H                   | 54                         | 31.89                  | 15.41                          |

#### 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       | 69.0 PK                       | 74.0              | -5.0           | 2.29 V                   | 305                        | 67.55                  | 1.45                           |
| 2   | #5470.00       | 53.7 AV                       | 54.0              | -0.3           | 2.29 V                   | 305                        | 52.25                  | 1.45                           |
| 3   | *5510.00       | 108.1 PK                      |                   |                | 2.48 V                   | 256                        | 106.58                 | 1.52                           |
| 4   | *5510.00       | 98.7 AV                       |                   |                | 2.48 V                   | 256                        | 97.18                  | 1.52                           |
| 5   | #5970.00       | 55.2 PK                       | 74.0              | -18.8          | 2.46 V                   | 256                        | 52.78                  | 2.42                           |
| 6   | #5970.00       | 46.4 AV                       | 54.0              | -7.6           | 2.46 V                   | 256                        | 43.98                  | 2.42                           |
| 7   | 11020.00       | 55.6 PK                       | 74.0              | -18.4          | 2.24 V                   | 180                        | 42.59                  | 13.01                          |
| 8   | 11020.00       | 41.6 AV                       | 54.0              | -12.4          | 2.24 V                   | 180                        | 28.59                  | 13.01                          |
| 9   | #16530.00      | 59.5 PK                       | 74.0              | -14.5          | 2.28 V                   | 360                        | 44.09                  | 15.41                          |
| 10  | #16530.00      | 48.1 AV                       | 54.0              | -5.9           | 2.28 V                   | 360                        | 32.69                  | 15.41                          |

#### 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       | 59.0 PK                       | 74.0              | -15.0          | 1.49 H                   | 100                        | 57.55                  | 1.45                           |
| 2   | #5470.00       | 47.2 AV                       | 54.0              | -6.8           | 1.49 H                   | 100                        | 45.75                  | 1.45                           |
| 3   | *5550.00       | 110.4 PK                      |                   |                | 1.53 H                   | 88                         | 108.80                 | 1.60                           |
| 4   | *5550.00       | 96.8 AV                       |                   |                | 1.53 H                   | 88                         | 95.20                  | 1.60                           |
| 5   | #5725.00       | 59.5 PK                       | 74.0              | -14.5          | 1.61 H                   | 119                        | 57.57                  | 1.93                           |
| 6   | #5725.00       | 44.2 AV                       | 54.0              | -9.8           | 1.61 H                   | 119                        | 42.27                  | 1.93                           |
| 7   | 11100.00       | 58.6 PK                       | 74.0              | -15.4          | 1.13 H                   | 266                        | 45.73                  | 12.87                          |
| 8   | 11100.00       | 47.2 AV                       | 54.0              | -6.8           | 1.13 H                   | 266                        | 34.33                  | 12.87                          |
| 9   | #16650.00      | 57.9 PK                       | 74.0              | -16.1          | 1.05 H                   | 70                         | 42.09                  | 15.81                          |
| 10  | #16650.00      | 47.2 AV                       | 54.0              | -6.8           | 1.05 H                   | 70                         | 31.39                  | 15.81                          |

**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       | 72.7 PK                       | 74.0              | -1.3           | 2.66 V                   | 259                        | 71.25                  | 1.45                           |
| 2   | #5470.00       | 53.3 AV                       | 54.0              | -0.7           | 2.66 V                   | 259                        | 51.85                  | 1.45                           |
| 3   | *5550.00       | 117.2 PK                      |                   |                | 2.54 V                   | 302                        | 115.60                 | 1.60                           |
| 4   | *5550.00       | 105.9 AV                      |                   |                | 2.54 V                   | 302                        | 104.30                 | 1.60                           |
| 5   | #5725.00       | 60.9 PK                       | 74.0              | -13.1          | 2.24 V                   | 247                        | 58.97                  | 1.93                           |
| 6   | #5725.00       | 49.6 AV                       | 54.0              | -4.4           | 2.24 V                   | 247                        | 47.67                  | 1.93                           |
| 7   | 11100.00       | 55.9 PK                       | 74.0              | -18.1          | 2.26 V                   | 159                        | 43.03                  | 12.87                          |
| 8   | 11100.00       | 41.7 AV                       | 54.0              | -12.3          | 2.26 V                   | 159                        | 28.83                  | 12.87                          |
| 9   | #16650.00      | 59.7 PK                       | 74.0              | -14.3          | 2.32 V                   | 360                        | 43.89                  | 15.81                          |
| 10  | #16650.00      | 48.5 AV                       | 54.0              | -5.5           | 2.32 V                   | 360                        | 32.69                  | 15.81                          |

**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       | 108.3 PK                      |                   |                | 1.53 H                   | 73                         | 106.47                 | 1.83                           |
| 2   | *5670.00       | 94.4 AV                       |                   |                | 1.53 H                   | 73                         | 92.57                  | 1.83                           |
| 3   | #5725.00       | 59.6 PK                       | 74.0              | -14.4          | 1.60 H                   | 109                        | 57.67                  | 1.93                           |
| 4   | #5725.00       | 44.2 AV                       | 54.0              | -9.8           | 1.60 H                   | 109                        | 42.27                  | 1.93                           |
| 5   | 11340.00       | 59.1 PK                       | 74.0              | -14.9          | 1.18 H                   | 275                        | 45.89                  | 13.21                          |
| 6   | 11340.00       | 47.5 AV                       | 54.0              | -6.5           | 1.18 H                   | 275                        | 34.29                  | 13.21                          |
| 7   | #17010.00      | 58.0 PK                       | 74.0              | -16.0          | 1.00 H                   | 77                         | 40.99                  | 17.01                          |
| 8   | #17010.00      | 47.0 AV                       | 54.0              | -7.0           | 1.00 H                   | 77                         | 29.99                  | 17.01                          |

**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       | 115.1 PK                      |                   |                | 2.50 V                   | 306                        | 113.27                 | 1.83                           |
| 2   | *5670.00       | 103.5 AV                      |                   |                | 2.50 V                   | 306                        | 101.67                 | 1.83                           |
| 3   | #5725.00       | 73.9 PK                       | 74.0              | -0.1           | 2.54 V                   | 307                        | 71.97                  | 1.93                           |
| 4   | #5725.00       | 53.4 AV                       | 54.0              | -0.6           | 2.54 V                   | 307                        | 51.47                  | 1.93                           |
| 5   | 11340.00       | 56.1 PK                       | 74.0              | -17.9          | 2.26 V                   | 154                        | 42.89                  | 13.21                          |
| 6   | 11340.00       | 42.2 AV                       | 54.0              | -11.8          | 2.26 V                   | 154                        | 28.99                  | 13.21                          |
| 7   | #17010.00      | 59.8 PK                       | 74.0              | -14.2          | 2.30 V                   | 360                        | 42.79                  | 17.01                          |
| 8   | #17010.00      | 48.4 AV                       | 54.0              | -5.6           | 2.30 V                   | 360                        | 31.39                  | 17.01                          |

**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 142 | 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   | #5470.00       | 48.3 PK                       | 74.0              | -25.7          | 1.46 H                   | 101                        | 46.85                  | 1.45                           |
| 2   | #5470.00       | 40.2 AV                       | 54.0              | -13.8          | 1.46 H                   | 101                        | 38.75                  | 1.45                           |
| 3   | *5710.00       | 112.7 PK                      |                   |                | 1.58 H                   | 82                         | 110.79                 | 1.91                           |
| 4   | *5710.00       | 97.2 AV                       |                   |                | 1.58 H                   | 82                         | 95.29                  | 1.91                           |
| 5   | #5850.00       | 57.4 PK                       | 78.2              | -20.8          | 1.63 H                   | 111                        | 55.27                  | 2.13                           |
| 6   | 11420.00       | 58.9 PK                       | 74.0              | -15.1          | 1.19 H                   | 282                        | 46.02                  | 12.88                          |
| 7   | 11420.00       | 47.5 AV                       | 54.0              | -6.5           | 1.19 H                   | 282                        | 34.62                  | 12.88                          |
| 8   | #17130.00      | 57.3 PK                       | 74.0              | -16.7          | 1.03 H                   | 92                         | 39.96                  | 17.34                          |
| 9   | #17130.00      | 46.6 AV                       | 54.0              | -7.4           | 1.03 H                   | 92                         | 29.26                  | 17.34                          |

**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       | 58.3 PK                       | 74.0              | -15.7          | 2.33 V                   | 307                        | 56.85                  | 1.45                           |
| 2   | #5470.00       | 47.4 AV                       | 54.0              | -6.6           | 2.33 V                   | 307                        | 45.95                  | 1.45                           |
| 3   | *5710.00       | 119.3 PK                      |                   |                | 2.28 V                   | 304                        | 117.39                 | 1.91                           |
| 4   | *5710.00       | 106.5 AV                      |                   |                | 2.28 V                   | 304                        | 104.59                 | 1.91                           |
| 5   | #5850.00       | 67.7 PK                       | 78.2              | -10.5          | 2.43 V                   | 254                        | 65.57                  | 2.13                           |
| 6   | 11420.00       | 56.1 PK                       | 74.0              | -17.9          | 2.20 V                   | 142                        | 43.22                  | 12.88                          |
| 7   | 11420.00       | 42.5 AV                       | 54.0              | -11.5          | 2.20 V                   | 142                        | 29.62                  | 12.88                          |
| 8   | #17130.00      | 59.4 PK                       | 74.0              | -14.6          | 2.29 V                   | 360                        | 42.06                  | 17.34                          |
| 9   | #17130.00      | 48.0 AV                       | 54.0              | -6.0           | 2.29 V                   | 360                        | 30.66                  | 17.34                          |

**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.

**ANT2, ANT3**
**802.11ac VHT80**

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

| <b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b> |                |                               |                   |                |                          |                            |                        |                                |
|----------------------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 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                                                              | 4702.00        | 46.0 PK                       | 74.0              | -28.0          | 1.39 H                   | 24                         | 46.37                  | -0.37                          |
| 2                                                              | 4702.00        | 40.3 AV                       | 54.0              | -13.7          | 1.39 H                   | 24                         | 40.67                  | -0.37                          |
| 3                                                              | 5150.00        | 59.4 PK                       | 74.0              | -14.6          | 1.53 H                   | 125                        | 58.60                  | 0.80                           |
| 4                                                              | 5150.00        | 44.1 AV                       | 54.0              | -9.9           | 1.53 H                   | 125                        | 43.30                  | 0.80                           |
| 5                                                              | *5290.00       | 99.1 PK                       |                   |                | 1.55 H                   | 122                        | 97.87                  | 1.23                           |
| 6                                                              | *5290.00       | 84.1 AV                       |                   |                | 1.55 H                   | 122                        | 82.87                  | 1.23                           |
| 7                                                              | 5350.00        | 58.0 PK                       | 74.0              | -16.0          | 1.41 H                   | 117                        | 56.70                  | 1.30                           |
| 8                                                              | 5350.00        | 46.6 AV                       | 54.0              | -7.4           | 1.41 H                   | 117                        | 45.30                  | 1.30                           |
| 9                                                              | #10580.00      | 59.1 PK                       | 74.0              | -14.9          | 1.21 H                   | 317                        | 47.55                  | 11.55                          |
| 10                                                             | #10580.00      | 47.6 AV                       | 54.0              | -6.4           | 1.21 H                   | 317                        | 36.05                  | 11.55                          |
| 11                                                             | 15870.00       | 56.6 PK                       | 74.0              | -17.4          | 1.14 H                   | 119                        | 44.20                  | 12.40                          |
| 12                                                             | 15870.00       | 45.2 AV                       | 54.0              | -8.8           | 1.14 H                   | 119                        | 32.80                  | 12.40                          |
| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>   |                |                               |                   |                |                          |                            |                        |                                |
| 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                                                              | 4702.00        | 54.3 PK                       | 74.0              | -19.7          | 2.23 V                   | 304                        | 54.67                  | -0.37                          |
| 2                                                              | 4702.00        | 45.5 AV                       | 54.0              | -8.5           | 2.23 V                   | 304                        | 45.87                  | -0.37                          |
| 3                                                              | 5150.00        | 56.2 PK                       | 74.0              | -17.8          | 2.23 V                   | 304                        | 55.40                  | 0.80                           |
| 4                                                              | 5150.00        | 45.3 AV                       | 54.0              | -8.7           | 2.23 V                   | 304                        | 44.50                  | 0.80                           |
| 5                                                              | *5290.00       | 105.5 PK                      |                   |                | 2.21 V                   | 306                        | 104.27                 | 1.23                           |
| 6                                                              | *5290.00       | 93.1 AV                       |                   |                | 2.21 V                   | 306                        | 91.87                  | 1.23                           |
| 7                                                              | 5350.00        | 68.5 PK                       | 74.0              | -5.5           | 2.26 V                   | 309                        | 67.20                  | 1.30                           |
| 8                                                              | 5350.00        | 53.3 AV                       | 54.0              | -0.7           | 2.26 V                   | 309                        | 52.00                  | 1.30                           |
| 9                                                              | #10580.00      | 56.3 PK                       | 74.0              | -17.7          | 2.23 V                   | 155                        | 44.75                  | 11.55                          |
| 10                                                             | #10580.00      | 42.5 AV                       | 54.0              | -11.5          | 2.23 V                   | 155                        | 30.95                  | 11.55                          |
| 11                                                             | 15870.00       | 59.6 PK                       | 74.0              | -14.4          | 2.34 V                   | 352                        | 47.20                  | 12.40                          |
| 12                                                             | 15870.00       | 47.6 AV                       | 54.0              | -6.4           | 2.34 V                   | 352                        | 35.20                  | 12.40                          |

**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.

# ANT1, ANT3

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 106 | 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   | #5470.00       | 57.4 PK                       | 74.0              | -16.6          | 1.53 H                   | 109                        | 55.95                  | 1.45                           |
| 2   | #5470.00       | 43.2 AV                       | 54.0              | -10.8          | 1.53 H                   | 109                        | 41.75                  | 1.45                           |
| 3   | *5530.00       | 95.6 PK                       |                   |                | 1.65 H                   | 91                         | 94.04                  | 1.56                           |
| 4   | *5530.00       | 81.6 AV                       |                   |                | 1.65 H                   | 91                         | 80.04                  | 1.56                           |
| 5   | 11060.00       | 58.8 PK                       | 74.0              | -15.2          | 1.26 H                   | 314                        | 45.86                  | 12.94                          |
| 6   | 11060.00       | 47.4 AV                       | 54.0              | -6.6           | 1.26 H                   | 314                        | 34.46                  | 12.94                          |
| 7   | #16590.00      | 56.2 PK                       | 74.0              | -17.8          | 1.14 H                   | 115                        | 40.53                  | 15.67                          |
| 8   | #16590.00      | 45.0 AV                       | 54.0              | -9.0           | 1.14 H                   | 115                        | 29.33                  | 15.67                          |

## 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       | 70.6 PK                       | 74.0              | -3.4           | 2.19 V                   | 303                        | 69.15                  | 1.45                           |
| 2   | #5470.00       | 53.6 AV                       | 54.0              | -0.4           | 2.19 V                   | 303                        | 52.15                  | 1.45                           |
| 3   | *5530.00       | 106.3 PK                      |                   |                | 2.19 V                   | 307                        | 104.74                 | 1.56                           |
| 4   | *5530.00       | 93.1 AV                       |                   |                | 2.19 V                   | 307                        | 91.54                  | 1.56                           |
| 5   | 11060.00       | 56.1 PK                       | 74.0              | -17.9          | 2.30 V                   | 151                        | 43.16                  | 12.94                          |
| 6   | 11060.00       | 42.4 AV                       | 54.0              | -11.6          | 2.30 V                   | 151                        | 29.46                  | 12.94                          |
| 7   | #16590.00      | 59.5 PK                       | 74.0              | -14.5          | 2.34 V                   | 360                        | 43.83                  | 15.67                          |
| 8   | #16590.00      | 47.7 AV                       | 54.0              | -6.3           | 2.34 V                   | 360                        | 32.03                  | 15.67                          |

## 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 122 | <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       | 58.0 PK                       | 74.0              | -16.0          | 1.39 H                   | 128                        | 56.55                  | 1.45                           |
| 2   | #5470.00       | 46.9 AV                       | 54.0              | -7.1           | 1.39 H                   | 128                        | 45.45                  | 1.45                           |
| 3   | *5610.00       | 106.1 PK                      |                   |                | 1.61 H                   | 114                        | 104.39                 | 1.71                           |
| 4   | *5610.00       | 90.4 AV                       |                   |                | 1.61 H                   | 114                        | 88.69                  | 1.71                           |
| 5   | #5725.00       | 59.8 PK                       | 74.0              | -14.2          | 1.49 H                   | 138                        | 57.87                  | 1.93                           |
| 6   | #5725.00       | 44.3 AV                       | 54.0              | -9.7           | 1.49 H                   | 138                        | 42.37                  | 1.93                           |
| 7   | 11220.00       | 58.9 PK                       | 74.0              | -15.1          | 1.17 H                   | 313                        | 45.98                  | 12.92                          |
| 8   | 11220.00       | 47.7 AV                       | 54.0              | -6.3           | 1.17 H                   | 313                        | 34.78                  | 12.92                          |
| 9   | #16830.00      | 56.7 PK                       | 74.0              | -17.3          | 1.13 H                   | 113                        | 40.42                  | 16.28                          |
| 10  | #16830.00      | 45.3 AV                       | 54.0              | -8.7           | 1.13 H                   | 113                        | 29.02                  | 16.28                          |

**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       | 65.8 PK                       | 74.0              | -8.2           | 2.11 V                   | 307                        | 64.35                  | 1.45                           |
| 2   | #5470.00       | 49.8 AV                       | 54.0              | -4.2           | 2.11 V                   | 307                        | 48.35                  | 1.45                           |
| 3   | *5610.00       | 112.1 PK                      |                   |                | 2.16 V                   | 305                        | 110.39                 | 1.71                           |
| 4   | *5610.00       | 99.2 AV                       |                   |                | 2.16 V                   | 305                        | 97.49                  | 1.71                           |
| 5   | #5725.00       | 66.8 PK                       | 74.0              | -7.2           | 2.11 V                   | 307                        | 64.87                  | 1.93                           |
| 6   | #5725.00       | 53.6 AV                       | 54.0              | -0.4           | 2.11 V                   | 307                        | 51.67                  | 1.93                           |
| 7   | 11220.00       | 55.7 PK                       | 74.0              | -18.3          | 2.20 V                   | 166                        | 42.78                  | 12.92                          |
| 8   | 11220.00       | 42.4 AV                       | 54.0              | -11.6          | 2.20 V                   | 166                        | 29.48                  | 12.92                          |
| 9   | #16830.00      | 59.5 PK                       | 74.0              | -14.5          | 2.40 V                   | 360                        | 43.22                  | 16.28                          |
| 10  | #16830.00      | 47.7 AV                       | 54.0              | -6.3           | 2.40 V                   | 360                        | 31.42                  | 16.28                          |

**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 138 | 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   | *5690.00       | 106.4 PK                      |                   |                | 1.64 H                   | 114                        | 104.53                 | 1.87                           |
| 2   | *5690.00       | 91.2 AV                       |                   |                | 1.64 H                   | 114                        | 89.33                  | 1.87                           |
| 3   | #5850.00       | 63.5 PK                       | 78.2              | -14.7          | 1.48 H                   | 146                        | 61.37                  | 2.13                           |
| 4   | #5860.00       | 66.8 PK                       | 74.0              | -7.2           | 1.39 H                   | 119                        | 64.67                  | 2.13                           |
| 5   | #5860.00       | 52.7 AV                       | 54.0              | -1.3           | 1.39 H                   | 119                        | 50.57                  | 2.13                           |
| 6   | 11380.00       | 59.4 PK                       | 74.0              | -14.6          | 1.15 H                   | 319                        | 46.42                  | 12.98                          |
| 7   | 11380.00       | 48.1 AV                       | 54.0              | -5.9           | 1.15 H                   | 319                        | 35.12                  | 12.98                          |
| 8   | #17070.00      | 56.7 PK                       | 74.0              | -17.3          | 1.02 H                   | 140                        | 39.48                  | 17.22                          |
| 9   | #17070.00      | 45.5 AV                       | 54.0              | -8.5           | 1.02 H                   | 140                        | 28.28                  | 17.22                          |

**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   | *5690.00       | 112.7 PK                      |                   |                | 2.16 V                   | 307                        | 110.83                 | 1.87                           |
| 2   | *5690.00       | 99.9 AV                       |                   |                | 2.16 V                   | 307                        | 98.03                  | 1.87                           |
| 3   | #5850.00       | 73.1 PK                       | 78.2              | -5.1           | 2.68 V                   | 80                         | 70.97                  | 2.13                           |
| 4   | #5860.00       | 67.9 PK                       | 74.0              | -6.1           | 2.10 V                   | 316                        | 65.77                  | 2.13                           |
| 5   | #5860.00       | 53.6 AV                       | 54.0              | -0.4           | 2.10 V                   | 316                        | 51.47                  | 2.13                           |
| 6   | 11380.00       | 56.3 PK                       | 74.0              | -17.7          | 2.22 V                   | 150                        | 43.32                  | 12.98                          |
| 7   | 11380.00       | 42.9 AV                       | 54.0              | -11.1          | 2.22 V                   | 150                        | 29.92                  | 12.98                          |
| 8   | #17070.00      | 59.6 PK                       | 74.0              | -14.4          | 2.39 V                   | 360                        | 42.38                  | 17.22                          |
| 9   | #17070.00      | 48.0 AV                       | 54.0              | -6.0           | 2.39 V                   | 360                        | 30.78                  | 17.22                          |

**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.

1TX

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|                 |               |          |              |
|-----------------|---------------|----------|--------------|
| CHANNEL         | TX Channel 52 | DETECTOR | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  | FUNCTION | 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                                                   | 5100.00        | 51.3 PK                       | 74.0              | -22.7          | 1.65 H                   | 80                         | 50.63                  | 0.67                           |
| 2                                                   | 5100.00        | 42.4 AV                       | 54.0              | -11.6          | 1.65 H                   | 80                         | 41.73                  | 0.67                           |
| 3                                                   | *5260.00       | 109.9 PK                      |                   |                | 1.63 H                   | 58                         | 108.75                 | 1.15                           |
| 4                                                   | *5260.00       | 98.9 AV                       |                   |                | 1.63 H                   | 58                         | 97.75                  | 1.15                           |
| 5                                                   | 5420.00        | 51.5 PK                       | 74.0              | -22.5          | 1.67 H                   | 83                         | 50.15                  | 1.35                           |
| 6                                                   | 5420.00        | 43.6 AV                       | 54.0              | -10.4          | 1.67 H                   | 83                         | 42.25                  | 1.35                           |
| 7                                                   | #10520.00      | 57.6 PK                       | 74.0              | -16.4          | 1.11 H                   | 276                        | 46.35                  | 11.25                          |
| 8                                                   | #10520.00      | 45.4 AV                       | 54.0              | -8.6           | 1.11 H                   | 276                        | 34.15                  | 11.25                          |
| 9                                                   | 15780.00       | 57.5 PK                       | 74.0              | -16.5          | 1.14 H                   | 89                         | 45.25                  | 12.25                          |
| 10                                                  | 15780.00       | 46.0 AV                       | 54.0              | -8.0           | 1.14 H                   | 89                         | 33.75                  | 12.25                          |

| 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                                                 | 5100.00        | 61.5 PK                       | 74.0              | -12.5          | 2.38 V                   | 294                        | 60.83                  | 0.67                           |
| 2                                                 | 5100.00        | 52.7 AV                       | 54.0              | -1.3           | 2.38 V                   | 294                        | 52.03                  | 0.67                           |
| 3                                                 | *5260.00       | 118.0 PK                      |                   |                | 2.36 V                   | 293                        | 116.85                 | 1.15                           |
| 4                                                 | *5260.00       | 107.7 AV                      |                   |                | 2.36 V                   | 293                        | 106.55                 | 1.15                           |
| 5                                                 | 5420.00        | 61.4 PK                       | 74.0              | -12.6          | 2.41 V                   | 291                        | 60.05                  | 1.35                           |
| 6                                                 | 5420.00        | 53.3 AV                       | 54.0              | -0.7           | 2.41 V                   | 291                        | 51.95                  | 1.35                           |
| 7                                                 | #10520.00      | 58.2 PK                       | 74.0              | -15.8          | 2.07 V                   | 147                        | 46.95                  | 11.25                          |
| 8                                                 | #10520.00      | 43.8 AV                       | 54.0              | -10.2          | 2.07 V                   | 147                        | 32.55                  | 11.25                          |
| 9                                                 | 15780.00       | 57.7 PK                       | 74.0              | -16.3          | 2.15 V                   | 346                        | 45.45                  | 12.25                          |
| 10                                                | 15780.00       | 46.2 AV                       | 54.0              | -7.8           | 2.15 V                   | 346                        | 33.95                  | 12.25                          |

**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   | 5140.00        | 51.3 PK                       | 74.0              | -22.7          | 1.69 H                   | 73                         | 50.53                  | 0.77                           |
| 2   | 5140.00        | 41.5 AV                       | 54.0              | -12.5          | 1.69 H                   | 73                         | 40.73                  | 0.77                           |
| 3   | *5300.00       | 108.2 PK                      |                   |                | 1.68 H                   | 58                         | 106.93                 | 1.27                           |
| 4   | *5300.00       | 98.3 AV                       |                   |                | 1.68 H                   | 58                         | 97.03                  | 1.27                           |
| 5   | 5380.00        | 52.4 PK                       | 74.0              | -21.6          | 1.63 H                   | 81                         | 51.10                  | 1.30                           |
| 6   | 5380.00        | 43.2 AV                       | 54.0              | -10.8          | 1.63 H                   | 81                         | 41.90                  | 1.30                           |
| 7   | 5460.00        | 52.2 PK                       | 74.0              | -21.8          | 1.60 H                   | 63                         | 50.76                  | 1.44                           |
| 8   | 5460.00        | 42.1 AV                       | 54.0              | -11.9          | 1.60 H                   | 63                         | 40.66                  | 1.44                           |
| 9   | 10600.00       | 57.2 PK                       | 74.0              | -16.8          | 1.06 H                   | 272                        | 45.56                  | 11.64                          |
| 10  | 10600.00       | 45.5 AV                       | 54.0              | -8.5           | 1.06 H                   | 272                        | 33.86                  | 11.64                          |
| 11  | 15900.00       | 56.9 PK                       | 74.0              | -17.1          | 1.16 H                   | 78                         | 44.43                  | 12.47                          |
| 12  | 15900.00       | 45.6 AV                       | 54.0              | -8.4           | 1.16 H                   | 78                         | 33.13                  | 12.47                          |

**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   | 5140.00        | 61.4 PK                       | 74.0              | -12.6          | 2.96 V                   | 308                        | 60.63                  | 0.77                           |
| 2   | 5140.00        | 51.8 AV                       | 54.0              | -2.2           | 2.96 V                   | 308                        | 51.03                  | 0.77                           |
| 3   | *5300.00       | 116.3 PK                      |                   |                | 2.94 V                   | 293                        | 115.03                 | 1.27                           |
| 4   | *5300.00       | 107.4 AV                      |                   |                | 2.94 V                   | 293                        | 106.13                 | 1.27                           |
| 5   | 5380.00        | 62.1 PK                       | 74.0              | -11.9          | 2.83 V                   | 310                        | 60.80                  | 1.30                           |
| 6   | 5380.00        | 52.8 AV                       | 54.0              | -1.2           | 2.83 V                   | 310                        | 51.50                  | 1.30                           |
| 7   | 5460.00        | 62.2 PK                       | 74.0              | -11.8          | 2.49 V                   | 314                        | 60.76                  | 1.44                           |
| 8   | 5460.00        | 52.3 AV                       | 54.0              | -1.7           | 2.49 V                   | 314                        | 50.86                  | 1.44                           |
| 9   | 10600.00       | 58.5 PK                       | 74.0              | -15.5          | 2.00 V                   | 160                        | 46.86                  | 11.64                          |
| 10  | 10600.00       | 44.5 AV                       | 54.0              | -9.5           | 2.00 V                   | 160                        | 32.86                  | 11.64                          |
| 11  | 15900.00       | 57.7 PK                       | 74.0              | -16.3          | 2.16 V                   | 336                        | 45.23                  | 12.47                          |
| 12  | 15900.00       | 45.9 AV                       | 54.0              | -8.1           | 2.16 V                   | 336                        | 33.43                  | 12.47                          |

**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 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       | 106.5 PK                      |                   |                | 1.63 H                   | 52                         | 105.22                 | 1.28                           |
| 2   | *5320.00       | 97.1 AV                       |                   |                | 1.63 H                   | 52                         | 95.82                  | 1.28                           |
| 3   | 5350.00        | 62.3 PK                       | 74.0              | -11.7          | 1.65 H                   | 86                         | 61.00                  | 1.30                           |
| 4   | 5350.00        | 43.4 AV                       | 54.0              | -10.6          | 1.65 H                   | 86                         | 42.10                  | 1.30                           |
| 5   | #5480.00       | 54.2 PK                       | 74.0              | -19.8          | 1.65 H                   | 72                         | 52.73                  | 1.47                           |
| 6   | #5480.00       | 43.8 AV                       | 54.0              | -10.2          | 1.65 H                   | 72                         | 42.33                  | 1.47                           |
| 7   | 10640.00       | 57.8 PK                       | 74.0              | -16.2          | 1.09 H                   | 278                        | 46.12                  | 11.68                          |
| 8   | 10640.00       | 45.7 AV                       | 54.0              | -8.3           | 1.09 H                   | 278                        | 34.02                  | 11.68                          |
| 9   | 15960.00       | 56.8 PK                       | 74.0              | -17.2          | 1.15 H                   | 74                         | 44.35                  | 12.45                          |
| 10  | 15960.00       | 45.5 AV                       | 54.0              | -8.5           | 1.15 H                   | 74                         | 33.05                  | 12.45                          |

**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       | 114.6 PK                      |                   |                | 2.69 V                   | 288                        | 113.32                 | 1.28                           |
| 2   | *5320.00       | 105.7 AV                      |                   |                | 2.69 V                   | 288                        | 104.42                 | 1.28                           |
| 3   | 5350.00        | 72.5 PK                       | 74.0              | -1.5           | 2.29 V                   | 295                        | 71.20                  | 1.30                           |
| 4   | 5350.00        | 53.6 AV                       | 54.0              | -0.4           | 2.29 V                   | 295                        | 52.30                  | 1.30                           |
| 5   | #5480.00       | 63.9 PK                       | 74.0              | -10.1          | 2.69 V                   | 283                        | 62.43                  | 1.47                           |
| 6   | #5480.00       | 53.3 AV                       | 54.0              | -0.7           | 2.69 V                   | 283                        | 51.83                  | 1.47                           |
| 7   | 10640.00       | 58.6 PK                       | 74.0              | -15.4          | 2.08 V                   | 151                        | 46.92                  | 11.68                          |
| 8   | 10640.00       | 44.4 AV                       | 54.0              | -9.6           | 2.08 V                   | 151                        | 32.72                  | 11.68                          |
| 9   | 15960.00       | 57.8 PK                       | 74.0              | -16.2          | 2.20 V                   | 336                        | 45.35                  | 12.45                          |
| 10  | 15960.00       | 46.1 AV                       | 54.0              | -7.9           | 2.20 V                   | 336                        | 33.65                  | 12.45                          |

**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 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   | 5420.00        | 48.9 PK                       | 74.0              | -25.1          | 1.63 H                   | 61                         | 47.55                  | 1.35                           |
| 2   | 5420.00        | 41.4 AV                       | 54.0              | -12.6          | 1.63 H                   | 61                         | 40.05                  | 1.35                           |
| 3   | #5470.00       | 61.8 PK                       | 74.0              | -12.2          | 1.60 H                   | 74                         | 60.35                  | 1.45                           |
| 4   | #5470.00       | 43.5 AV                       | 54.0              | -10.5          | 1.60 H                   | 74                         | 42.05                  | 1.45                           |
| 5   | *5500.00       | 107.7 PK                      |                   |                | 1.61 H                   | 54                         | 106.19                 | 1.51                           |
| 6   | *5500.00       | 97.9 AV                       |                   |                | 1.61 H                   | 54                         | 96.39                  | 1.51                           |
| 7   | #5729.00       | 47.3 PK                       | 74.0              | -26.7          | 1.63 H                   | 82                         | 45.35                  | 1.95                           |
| 8   | #5729.00       | 40.7 AV                       | 54.0              | -13.3          | 1.63 H                   | 82                         | 38.75                  | 1.95                           |
| 9   | 11000.00       | 57.5 PK                       | 74.0              | -16.5          | 1.14 H                   | 286                        | 44.46                  | 13.04                          |
| 10  | 11000.00       | 45.6 AV                       | 54.0              | -8.4           | 1.14 H                   | 286                        | 32.56                  | 13.04                          |
| 11  | #16500.00      | 56.8 PK                       | 74.0              | -17.2          | 1.14 H                   | 94                         | 41.53                  | 15.27                          |
| 12  | #16500.00      | 45.4 AV                       | 54.0              | -8.6           | 1.14 H                   | 94                         | 30.13                  | 15.27                          |

#### 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   | 5420.00        | 58.9 PK                       | 74.0              | -15.1          | 2.23 V                   | 310                        | 57.55                  | 1.35                           |
| 2   | 5420.00        | 51.3 AV                       | 54.0              | -2.7           | 2.23 V                   | 310                        | 49.95                  | 1.35                           |
| 3   | #5470.00       | 72.3 PK                       | 74.0              | -1.7           | 2.25 V                   | 323                        | 70.85                  | 1.45                           |
| 4   | #5470.00       | 53.7 AV                       | 54.0              | -0.3           | 2.25 V                   | 323                        | 52.25                  | 1.45                           |
| 5   | *5500.00       | 115.7 PK                      |                   |                | 2.53 V                   | 289                        | 114.19                 | 1.51                           |
| 6   | *5500.00       | 106.4 AV                      |                   |                | 2.53 V                   | 289                        | 104.89                 | 1.51                           |
| 7   | #5729.00       | 57.4 PK                       | 74.0              | -16.6          | 2.09 V                   | 305                        | 55.45                  | 1.95                           |
| 8   | #5729.00       | 50.6 AV                       | 54.0              | -3.4           | 2.09 V                   | 305                        | 48.65                  | 1.95                           |
| 9   | 11000.00       | 58.3 PK                       | 74.0              | -15.7          | 2.03 V                   | 166                        | 45.26                  | 13.04                          |
| 10  | 11000.00       | 43.8 AV                       | 54.0              | -10.2          | 2.03 V                   | 166                        | 30.76                  | 13.04                          |
| 11  | #16500.00      | 57.9 PK                       | 74.0              | -16.1          | 2.19 V                   | 353                        | 42.63                  | 15.27                          |
| 12  | #16500.00      | 46.1 AV                       | 54.0              | -7.9           | 2.19 V                   | 353                        | 30.83                  | 15.27                          |

#### 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 116 | 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   | 5420.00        | 51.0 PK                       | 74.0              | -23.0          | 1.66 H                   | 58                         | 49.65                  | 1.35                           |
| 2   | 5420.00        | 42.9 AV                       | 54.0              | -11.1          | 1.66 H                   | 58                         | 41.55                  | 1.35                           |
| 3   | *5580.00       | 108.2 PK                      |                   |                | 1.65 H                   | 54                         | 106.54                 | 1.66                           |
| 4   | *5580.00       | 99.7 AV                       |                   |                | 1.65 H                   | 54                         | 98.04                  | 1.66                           |
| 5   | #5740.00       | 54.0 PK                       | 74.0              | -20.0          | 1.66 H                   | 63                         | 52.04                  | 1.96                           |
| 6   | #5740.00       | 43.5 AV                       | 54.0              | -10.5          | 1.66 H                   | 63                         | 41.54                  | 1.96                           |
| 7   | 11160.00       | 57.3 PK                       | 74.0              | -16.7          | 1.11 H                   | 259                        | 44.48                  | 12.82                          |
| 8   | 11160.00       | 45.3 AV                       | 54.0              | -8.7           | 1.11 H                   | 259                        | 32.48                  | 12.82                          |
| 9   | #16740.00      | 57.5 PK                       | 74.0              | -16.5          | 1.12 H                   | 64                         | 41.51                  | 15.99                          |
| 10  | #16740.00      | 46.0 AV                       | 54.0              | -8.0           | 1.12 H                   | 64                         | 30.01                  | 15.99                          |

**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   | 5420.00        | 61.0 PK                       | 74.0              | -13.0          | 2.27 V                   | 262                        | 59.65                  | 1.35                           |
| 2   | 5420.00        | 53.0 AV                       | 54.0              | -1.0           | 2.27 V                   | 262                        | 51.65                  | 1.35                           |
| 3   | *5580.00       | 116.2 PK                      |                   |                | 2.47 V                   | 292                        | 114.54                 | 1.66                           |
| 4   | *5580.00       | 108.1 AV                      |                   |                | 2.47 V                   | 292                        | 106.44                 | 1.66                           |
| 5   | #5740.00       | 64.3 PK                       | 74.0              | -9.7           | 2.23 V                   | 312                        | 62.34                  | 1.96                           |
| 6   | #5740.00       | 53.8 AV                       | 54.0              | -0.2           | 2.23 V                   | 312                        | 51.84                  | 1.96                           |
| 7   | 11160.00       | 58.0 PK                       | 74.0              | -16.0          | 1.99 V                   | 156                        | 45.18                  | 12.82                          |
| 8   | 11160.00       | 43.9 AV                       | 54.0              | -10.1          | 1.99 V                   | 156                        | 31.08                  | 12.82                          |
| 9   | #16740.00      | 57.3 PK                       | 74.0              | -16.7          | 2.14 V                   | 348                        | 41.31                  | 15.99                          |
| 10  | #16740.00      | 45.7 AV                       | 54.0              | -8.3           | 2.14 V                   | 348                        | 29.71                  | 15.99                          |

**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   | #5225.00       | 45.9 PK                       | 74.0              | -28.1          | 1.64 H                   | 60                         | 44.87                  | 1.03                           |
| 2   | #5225.00       | 38.0 AV                       | 54.0              | -16.0          | 1.64 H                   | 60                         | 36.97                  | 1.03                           |
| 3   | *5700.00       | 106.5 PK                      |                   |                | 1.63 H                   | 60                         | 104.61                 | 1.89                           |
| 4   | *5700.00       | 98.2 AV                       |                   |                | 1.63 H                   | 60                         | 96.31                  | 1.89                           |
| 5   | #5725.00       | 59.5 PK                       | 74.0              | -14.5          | 1.65 H                   | 60                         | 57.57                  | 1.93                           |
| 6   | #5725.00       | 42.7 AV                       | 54.0              | -11.3          | 1.65 H                   | 60                         | 40.77                  | 1.93                           |
| 7   | #5780.00       | 52.9 PK                       | 74.0              | -21.1          | 1.61 H                   | 61                         | 50.84                  | 2.06                           |
| 8   | #5780.00       | 43.7 AV                       | 54.0              | -10.3          | 1.61 H                   | 61                         | 41.64                  | 2.06                           |
| 9   | 11400.00       | 57.5 PK                       | 74.0              | -16.5          | 1.16 H                   | 274                        | 44.62                  | 12.88                          |
| 10  | 11400.00       | 45.7 AV                       | 54.0              | -8.3           | 1.16 H                   | 274                        | 32.82                  | 12.88                          |
| 11  | #17100.00      | 57.2 PK                       | 74.0              | -16.8          | 1.13 H                   | 66                         | 39.89                  | 17.31                          |
| 12  | #17100.00      | 45.9 AV                       | 54.0              | -8.1           | 1.13 H                   | 66                         | 28.59                  | 17.31                          |

**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   | #5225.00       | 56.0 PK                       | 74.0              | -18.0          | 2.13 V                   | 240                        | 54.97                  | 1.03                           |
| 2   | #5225.00       | 48.3 AV                       | 54.0              | -5.7           | 2.13 V                   | 240                        | 47.27                  | 1.03                           |
| 3   | *5700.00       | 114.5 PK                      |                   |                | 2.24 V                   | 297                        | 112.61                 | 1.89                           |
| 4   | *5700.00       | 106.6 AV                      |                   |                | 2.24 V                   | 297                        | 104.71                 | 1.89                           |
| 5   | #5725.00       | 70.1 PK                       | 74.0              | -3.9           | 2.24 V                   | 253                        | 68.17                  | 1.93                           |
| 6   | #5725.00       | 53.1 AV                       | 54.0              | -0.9           | 2.24 V                   | 253                        | 51.17                  | 1.93                           |
| 7   | #5780.00       | 62.4 PK                       | 74.0              | -11.6          | 2.17 V                   | 228                        | 60.34                  | 2.06                           |
| 8   | #5780.00       | 53.3 AV                       | 54.0              | -0.7           | 2.17 V                   | 228                        | 51.24                  | 2.06                           |
| 9   | 11400.00       | 58.4 PK                       | 74.0              | -15.6          | 2.08 V                   | 165                        | 45.52                  | 12.88                          |
| 10  | 11400.00       | 44.1 AV                       | 54.0              | -9.9           | 2.08 V                   | 165                        | 31.22                  | 12.88                          |
| 11  | #17100.00      | 58.0 PK                       | 74.0              | -16.0          | 2.15 V                   | 355                        | 40.69                  | 17.31                          |
| 12  | #17100.00      | 46.0 AV                       | 54.0              | -8.0           | 2.15 V                   | 355                        | 28.69                  | 17.31                          |

**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 144 | <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   | #5243.00       | 44.4 PK                       | 74.0              | -29.6          | 1.66 H                   | 63                         | 43.31                  | 1.09                           |
| 2   | #5243.00       | 38.8 AV                       | 54.0              | -15.2          | 1.66 H                   | 63                         | 37.71                  | 1.09                           |
| 3   | *5720.00       | 111.5 PK                      |                   |                | 1.64 H                   | 57                         | 109.58                 | 1.92                           |
| 4   | *5720.00       | 101.5 AV                      |                   |                | 1.64 H                   | 57                         | 99.58                  | 1.92                           |
| 5   | #5880.00       | 53.6 PK                       | 74.0              | -20.4          | 1.68 H                   | 74                         | 51.46                  | 2.14                           |
| 6   | #5880.00       | 43.5 AV                       | 54.0              | -10.5          | 1.68 H                   | 74                         | 41.36                  | 2.14                           |
| 7   | 11440.00       | 57.3 PK                       | 74.0              | -16.7          | 1.15 H                   | 271                        | 44.43                  | 12.87                          |
| 8   | 11440.00       | 45.0 AV                       | 54.0              | -9.0           | 1.15 H                   | 271                        | 32.13                  | 12.87                          |
| 9   | #17160.00      | 57.3 PK                       | 74.0              | -16.7          | 1.16 H                   | 66                         | 39.91                  | 17.39                          |
| 10  | #17160.00      | 45.7 AV                       | 54.0              | -8.3           | 1.16 H                   | 66                         | 28.31                  | 17.39                          |

**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   | #5243.00       | 53.9 PK                       | 74.0              | -20.1          | 2.56 V                   | 305                        | 52.81                  | 1.09                           |
| 2   | #5243.00       | 48.5 AV                       | 54.0              | -5.5           | 2.56 V                   | 305                        | 47.41                  | 1.09                           |
| 3   | *5720.00       | 119.4 PK                      |                   |                | 2.49 V                   | 298                        | 117.48                 | 1.92                           |
| 4   | *5720.00       | 109.8 AV                      |                   |                | 2.49 V                   | 298                        | 107.88                 | 1.92                           |
| 5   | #5880.00       | 63.4 PK                       | 74.0              | -10.6          | 2.54 V                   | 304                        | 61.26                  | 2.14                           |
| 6   | #5880.00       | 53.3 AV                       | 54.0              | -0.7           | 2.54 V                   | 304                        | 51.16                  | 2.14                           |
| 7   | 11440.00       | 57.9 PK                       | 74.0              | -16.1          | 2.00 V                   | 174                        | 45.03                  | 12.87                          |
| 8   | 11440.00       | 43.5 AV                       | 54.0              | -10.5          | 2.00 V                   | 174                        | 30.63                  | 12.87                          |
| 9   | #17160.00      | 57.4 PK                       | 74.0              | -16.6          | 2.25 V                   | 341                        | 40.01                  | 17.39                          |
| 10  | #17160.00      | 45.7 AV                       | 54.0              | -8.3           | 2.25 V                   | 341                        | 28.31                  | 17.39                          |

**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 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                                                   | 5100.00        | 52.9 PK                       | 74.0              | -21.1          | 1.62 H                   | 79                         | 52.23                  | 0.67                           |
| 2                                                   | 5100.00        | 42.9 AV                       | 54.0              | -11.1          | 1.62 H                   | 79                         | 42.23                  | 0.67                           |
| 3                                                   | *5260.00       | 109.8 PK                      |                   |                | 1.61 H                   | 122                        | 108.65                 | 1.15                           |
| 4                                                   | *5260.00       | 99.7 AV                       |                   |                | 1.61 H                   | 122                        | 98.55                  | 1.15                           |
| 5                                                   | 5420.00        | 52.3 PK                       | 74.0              | -21.7          | 1.64 H                   | 67                         | 50.95                  | 1.35                           |
| 6                                                   | 5420.00        | 42.9 AV                       | 54.0              | -11.1          | 1.64 H                   | 67                         | 41.55                  | 1.35                           |
| 7                                                   | #10520.00      | 57.8 PK                       | 74.0              | -16.2          | 1.21 H                   | 256                        | 46.55                  | 11.25                          |
| 8                                                   | #10520.00      | 45.5 AV                       | 54.0              | -8.5           | 1.21 H                   | 256                        | 34.25                  | 11.25                          |
| 9                                                   | 15780.00       | 56.4 PK                       | 74.0              | -17.6          | 1.14 H                   | 90                         | 44.15                  | 12.25                          |
| 10                                                  | 15780.00       | 45.2 AV                       | 54.0              | -8.8           | 1.14 H                   | 90                         | 32.95                  | 12.25                          |
| 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                                                   | 5100.00        | 62.4 PK                       | 74.0              | -11.6          | 2.66 V                   | 310                        | 61.73                  | 0.67                           |
| 2                                                   | 5100.00        | 52.7 AV                       | 54.0              | -1.3           | 2.66 V                   | 310                        | 52.03                  | 0.67                           |
| 3                                                   | *5260.00       | 117.5 PK                      |                   |                | 2.71 V                   | 307                        | 116.35                 | 1.15                           |
| 4                                                   | *5260.00       | 107.9 AV                      |                   |                | 2.71 V                   | 307                        | 106.75                 | 1.15                           |
| 5                                                   | 5420.00        | 62.6 PK                       | 74.0              | -11.4          | 2.77 V                   | 309                        | 61.25                  | 1.35                           |
| 6                                                   | 5420.00        | 53.4 AV                       | 54.0              | -0.6           | 2.77 V                   | 309                        | 52.05                  | 1.35                           |
| 7                                                   | #10520.00      | 58.4 PK                       | 74.0              | -15.6          | 2.09 V                   | 156                        | 47.15                  | 11.25                          |
| 8                                                   | #10520.00      | 44.0 AV                       | 54.0              | -10.0          | 2.09 V                   | 156                        | 32.75                  | 11.25                          |
| 9                                                   | 15780.00       | 58.2 PK                       | 74.0              | -15.8          | 2.24 V                   | 350                        | 45.95                  | 12.25                          |
| 10                                                  | 15780.00       | 46.2 AV                       | 54.0              | -7.8           | 2.24 V                   | 350                        | 33.95                  | 12.25                          |

## 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                                                   | 5130.00        | 52.9 PK                       | 74.0              | -21.1          | 1.70 H                   | 59                         | 52.16                  | 0.74                           |
| 2                                                   | 5130.00        | 42.7 AV                       | 54.0              | -11.3          | 1.70 H                   | 59                         | 41.96                  | 0.74                           |
| 3                                                   | *5300.00       | 110.4 PK                      |                   |                | 1.62 H                   | 126                        | 109.13                 | 1.27                           |
| 4                                                   | *5300.00       | 100.2 AV                      |                   |                | 1.62 H                   | 126                        | 98.93                  | 1.27                           |
| 5                                                   | 5380.00        | 54.0 PK                       | 74.0              | -20.0          | 1.62 H                   | 56                         | 52.70                  | 1.30                           |
| 6                                                   | 5380.00        | 43.2 AV                       | 54.0              | -10.8          | 1.62 H                   | 56                         | 41.90                  | 1.30                           |
| 7                                                   | 10600.00       | 57.1 PK                       | 74.0              | -16.9          | 1.19 H                   | 253                        | 45.46                  | 11.64                          |
| 8                                                   | 10600.00       | 45.1 AV                       | 54.0              | -8.9           | 1.19 H                   | 253                        | 33.46                  | 11.64                          |
| 9                                                   | 15900.00       | 56.2 PK                       | 74.0              | -17.8          | 1.10 H                   | 84                         | 43.73                  | 12.47                          |
| 10                                                  | 15900.00       | 45.2 AV                       | 54.0              | -8.8           | 1.10 H                   | 84                         | 32.73                  | 12.47                          |

| 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                                                 | 5130.00        | 62.9 PK                       | 74.0              | -11.1          | 2.66 V                   | 323                        | 62.16                  | 0.74                           |
| 2                                                 | 5130.00        | 52.5 AV                       | 54.0              | -1.5           | 2.66 V                   | 323                        | 51.76                  | 0.74                           |
| 3                                                 | *5300.00       | 118.0 PK                      |                   |                | 2.76 V                   | 305                        | 116.73                 | 1.27                           |
| 4                                                 | *5300.00       | 108.1 AV                      |                   |                | 2.76 V                   | 305                        | 106.83                 | 1.27                           |
| 5                                                 | 5380.00        | 64.1 PK                       | 74.0              | -9.9           | 2.77 V                   | 300                        | 62.80                  | 1.30                           |
| 6                                                 | 5380.00        | 53.5 AV                       | 54.0              | -0.5           | 2.77 V                   | 300                        | 52.20                  | 1.30                           |
| 7                                                 | 10600.00       | 58.5 PK                       | 74.0              | -15.5          | 2.00 V                   | 154                        | 46.86                  | 11.64                          |
| 8                                                 | 10600.00       | 44.0 AV                       | 54.0              | -10.0          | 2.00 V                   | 154                        | 32.36                  | 11.64                          |
| 9                                                 | 15900.00       | 57.7 PK                       | 74.0              | -16.3          | 2.20 V                   | 353                        | 45.23                  | 12.47                          |
| 10                                                | 15900.00       | 46.1 AV                       | 54.0              | -7.9           | 2.20 V                   | 353                        | 33.63                  | 12.47                          |

#### 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       | 110.6 PK                      |                   |                | 1.65 H                   | 119                        | 109.32                 | 1.28                           |
| 2   | *5320.00       | 100.5 AV                      |                   |                | 1.65 H                   | 119                        | 99.22                  | 1.28                           |
| 3   | 5350.00        | 64.0 PK                       | 74.0              | -10.0          | 1.68 H                   | 65                         | 62.70                  | 1.30                           |
| 4   | 5350.00        | 43.3 AV                       | 54.0              | -10.7          | 1.68 H                   | 65                         | 42.00                  | 1.30                           |
| 5   | 5400.00        | 54.1 PK                       | 74.0              | -19.9          | 1.76 H                   | 55                         | 52.79                  | 1.31                           |
| 6   | 5400.00        | 41.3 AV                       | 54.0              | -12.7          | 1.76 H                   | 55                         | 39.99                  | 1.31                           |
| 7   | #5480.00       | 52.6 PK                       | 74.0              | -21.4          | 1.70 H                   | 56                         | 51.13                  | 1.47                           |
| 8   | #5480.00       | 43.0 AV                       | 54.0              | -11.0          | 1.70 H                   | 56                         | 41.53                  | 1.47                           |
| 9   | 10640.00       | 57.6 PK                       | 74.0              | -16.4          | 1.19 H                   | 256                        | 45.92                  | 11.68                          |
| 10  | 10640.00       | 45.5 AV                       | 54.0              | -8.5           | 1.19 H                   | 256                        | 33.82                  | 11.68                          |
| 11  | 15960.00       | 56.6 PK                       | 74.0              | -17.4          | 1.17 H                   | 100                        | 44.15                  | 12.45                          |
| 12  | 15960.00       | 45.2 AV                       | 54.0              | -8.8           | 1.17 H                   | 100                        | 32.75                  | 12.45                          |

**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       | 118.2 PK                      |                   |                | 2.75 V                   | 167                        | 116.92                 | 1.28                           |
| 2   | *5320.00       | 107.8 AV                      |                   |                | 2.75 V                   | 167                        | 106.52                 | 1.28                           |
| 3   | 5350.00        | 73.8 PK                       | 74.0              | -0.2           | 2.62 V                   | 314                        | 72.50                  | 1.30                           |
| 4   | 5350.00        | 53.3 AV                       | 54.0              | -0.7           | 2.62 V                   | 314                        | 52.00                  | 1.30                           |
| 5   | 5400.00        | 64.3 PK                       | 74.0              | -9.7           | 2.77 V                   | 192                        | 62.99                  | 1.31                           |
| 6   | 5400.00        | 51.6 AV                       | 54.0              | -2.4           | 2.77 V                   | 192                        | 50.29                  | 1.31                           |
| 7   | #5480.00       | 62.3 PK                       | 74.0              | -11.7          | 1.01 V                   | 280                        | 60.83                  | 1.47                           |
| 8   | #5480.00       | 52.8 AV                       | 54.0              | -1.2           | 1.01 V                   | 280                        | 51.33                  | 1.47                           |
| 9   | 10640.00       | 58.4 PK                       | 74.0              | -15.6          | 2.06 V                   | 148                        | 46.72                  | 11.68                          |
| 10  | 10640.00       | 44.1 AV                       | 54.0              | -9.9           | 2.06 V                   | 148                        | 32.42                  | 11.68                          |
| 11  | 15960.00       | 58.1 PK                       | 74.0              | -15.9          | 2.15 V                   | 347                        | 45.65                  | 12.45                          |
| 12  | 15960.00       | 46.2 AV                       | 54.0              | -7.8           | 2.15 V                   | 347                        | 33.75                  | 12.45                          |

**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 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                                                   | #5340.00       | 52.5 PK                       | 74.0              | -21.5          | 1.73 H                   | 51                         | 51.21                  | 1.29                           |
| 2                                                   | #5340.00       | 42.3 AV                       | 54.0              | -11.7          | 1.73 H                   | 51                         | 41.01                  | 1.29                           |
| 3                                                   | 5420.00        | 53.5 PK                       | 74.0              | -20.5          | 1.70 H                   | 46                         | 52.15                  | 1.35                           |
| 4                                                   | 5420.00        | 42.5 AV                       | 54.0              | -11.5          | 1.70 H                   | 46                         | 41.15                  | 1.35                           |
| 5                                                   | #5470.00       | 64.0 PK                       | 74.0              | -10.0          | 1.65 H                   | 53                         | 62.55                  | 1.45                           |
| 6                                                   | #5470.00       | 43.6 AV                       | 54.0              | -10.4          | 1.65 H                   | 53                         | 42.15                  | 1.45                           |
| 7                                                   | *5500.00       | 110.2 PK                      |                   |                | 1.55 H                   | 127                        | 108.69                 | 1.51                           |
| 8                                                   | *5500.00       | 100.0 AV                      |                   |                | 1.55 H                   | 127                        | 98.49                  | 1.51                           |
| 9                                                   | 11000.00       | 58.1 PK                       | 74.0              | -15.9          | 1.19 H                   | 277                        | 45.06                  | 13.04                          |
| 10                                                  | 11000.00       | 45.8 AV                       | 54.0              | -8.2           | 1.19 H                   | 277                        | 32.76                  | 13.04                          |
| 11                                                  | #16500.00      | 56.2 PK                       | 74.0              | -17.8          | 1.13 H                   | 101                        | 40.93                  | 15.27                          |
| 12                                                  | #16500.00      | 45.3 AV                       | 54.0              | -8.7           | 1.13 H                   | 101                        | 30.03                  | 15.27                          |

| 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                                                 | #5340.00       | 61.8 PK                       | 74.0              | -12.2          | 2.59 V                   | 313                        | 60.51                  | 1.29                           |
| 2                                                 | #5340.00       | 51.8 AV                       | 54.0              | -2.2           | 2.59 V                   | 313                        | 50.51                  | 1.29                           |
| 3                                                 | 5420.00        | 63.8 PK                       | 74.0              | -10.2          | 2.61 V                   | 287                        | 62.45                  | 1.35                           |
| 4                                                 | 5420.00        | 53.0 AV                       | 54.0              | -1.0           | 2.61 V                   | 287                        | 51.65                  | 1.35                           |
| 5                                                 | #5470.00       | 73.7 PK                       | 74.0              | -0.3           | 2.53 V                   | 314                        | 72.25                  | 1.45                           |
| 6                                                 | #5470.00       | 53.1 AV                       | 54.0              | -0.9           | 2.53 V                   | 314                        | 51.65                  | 1.45                           |
| 7                                                 | *5500.00       | 117.8 PK                      |                   |                | 2.61 V                   | 324                        | 116.29                 | 1.51                           |
| 8                                                 | *5500.00       | 107.2 AV                      |                   |                | 2.61 V                   | 324                        | 105.69                 | 1.51                           |
| 9                                                 | 11000.00       | 58.4 PK                       | 74.0              | -15.6          | 2.05 V                   | 169                        | 45.36                  | 13.04                          |
| 10                                                | 11000.00       | 44.0 AV                       | 54.0              | -10.0          | 2.05 V                   | 169                        | 30.96                  | 13.04                          |
| 11                                                | #16500.00      | 57.4 PK                       | 74.0              | -16.6          | 2.21 V                   | 355                        | 42.13                  | 15.27                          |
| 12                                                | #16500.00      | 45.6 AV                       | 54.0              | -8.4           | 2.21 V                   | 355                        | 30.33                  | 15.27                          |

#### 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   | 5420.00        | 52.9 PK                       | 74.0              | -21.1          | 1.76 H                   | 52                         | 51.55                  | 1.35                           |
| 2   | 5420.00        | 43.8 AV                       | 54.0              | -10.2          | 1.76 H                   | 52                         | 42.45                  | 1.35                           |
| 3   | *5580.00       | 112.4 PK                      |                   |                | 1.65 H                   | 134                        | 110.74                 | 1.66                           |
| 4   | *5580.00       | 101.4 AV                      |                   |                | 1.65 H                   | 134                        | 99.74                  | 1.66                           |
| 5   | #5740.00       | 53.5 PK                       | 74.0              | -20.5          | 1.75 H                   | 72                         | 51.54                  | 1.96                           |
| 6   | #5740.00       | 43.4 AV                       | 54.0              | -10.6          | 1.75 H                   | 72                         | 41.44                  | 1.96                           |
| 7   | 11160.00       | 57.3 PK                       | 74.0              | -16.7          | 1.21 H                   | 270                        | 44.48                  | 12.82                          |
| 8   | 11160.00       | 45.2 AV                       | 54.0              | -8.8           | 1.21 H                   | 270                        | 32.38                  | 12.82                          |
| 9   | #16740.00      | 56.6 PK                       | 74.0              | -17.4          | 1.21 H                   | 73                         | 40.61                  | 15.99                          |
| 10  | #16740.00      | 45.5 AV                       | 54.0              | -8.5           | 1.21 H                   | 73                         | 29.51                  | 15.99                          |

**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   | 5420.00        | 62.7 PK                       | 74.0              | -11.3          | 2.56 V                   | 309                        | 61.35                  | 1.35                           |
| 2   | 5420.00        | 53.9 AV                       | 54.0              | -0.1           | 2.56 V                   | 309                        | 52.55                  | 1.35                           |
| 3   | *5580.00       | 119.0 PK                      |                   |                | 2.51 V                   | 285                        | 117.34                 | 1.66                           |
| 4   | *5580.00       | 108.7 AV                      |                   |                | 2.51 V                   | 285                        | 107.04                 | 1.66                           |
| 5   | #5740.00       | 63.7 PK                       | 74.0              | -10.3          | 2.54 V                   | 306                        | 61.74                  | 1.96                           |
| 6   | #5740.00       | 53.7 AV                       | 54.0              | -0.3           | 2.54 V                   | 306                        | 51.74                  | 1.96                           |
| 7   | 11160.00       | 57.9 PK                       | 74.0              | -16.1          | 2.04 V                   | 157                        | 45.08                  | 12.82                          |
| 8   | 11160.00       | 43.6 AV                       | 54.0              | -10.4          | 2.04 V                   | 157                        | 30.78                  | 12.82                          |
| 9   | #16740.00      | 57.6 PK                       | 74.0              | -16.4          | 2.26 V                   | 342                        | 41.61                  | 15.99                          |
| 10  | #16740.00      | 45.9 AV                       | 54.0              | -8.1           | 2.26 V                   | 342                        | 29.91                  | 15.99                          |

**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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| 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       | 107.6 PK                      |                   |                | 1.63 H                   | 113                        | 105.71                 | 1.89                           |
| 2   | *5700.00       | 97.2 AV                       |                   |                | 1.63 H                   | 113                        | 95.31                  | 1.89                           |
| 3   | #5725.00       | 60.5 PK                       | 74.0              | -13.5          | 1.72 H                   | 57                         | 58.57                  | 1.93                           |
| 4   | #5725.00       | 43.0 AV                       | 54.0              | -11.0          | 1.72 H                   | 57                         | 41.07                  | 1.93                           |
| 5   | 11400.00       | 58.2 PK                       | 74.0              | -15.8          | 1.22 H                   | 261                        | 45.32                  | 12.88                          |
| 6   | 11400.00       | 46.1 AV                       | 54.0              | -7.9           | 1.22 H                   | 261                        | 33.22                  | 12.88                          |
| 7   | #17100.00      | 56.3 PK                       | 74.0              | -17.7          | 1.18 H                   | 100                        | 38.99                  | 17.31                          |
| 8   | #17100.00      | 45.1 AV                       | 54.0              | -8.9           | 1.18 H                   | 100                        | 27.79                  | 17.31                          |

**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       | 114.2 PK                      |                   |                | 2.86 V                   | 117                        | 112.31                 | 1.89                           |
| 2   | *5700.00       | 104.5 AV                      |                   |                | 2.86 V                   | 117                        | 102.61                 | 1.89                           |
| 3   | #5725.00       | 70.3 PK                       | 74.0              | -3.7           | 2.82 V                   | 131                        | 68.37                  | 1.93                           |
| 4   | #5725.00       | 53.1 AV                       | 54.0              | -0.9           | 2.82 V                   | 131                        | 51.17                  | 1.93                           |
| 5   | 11400.00       | 58.8 PK                       | 74.0              | -15.2          | 2.07 V                   | 158                        | 45.92                  | 12.88                          |
| 6   | 11400.00       | 44.5 AV                       | 54.0              | -9.5           | 2.07 V                   | 158                        | 31.62                  | 12.88                          |
| 7   | #17100.00      | 57.4 PK                       | 74.0              | -16.6          | 2.21 V                   | 342                        | 40.09                  | 17.31                          |
| 8   | #17100.00      | 45.5 AV                       | 54.0              | -8.5           | 2.21 V                   | 342                        | 28.19                  | 17.31                          |

**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 144 | 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   | *5720.00       | 112.3 PK                      |                   |                | 1.66 H                   | 130                        | 110.38                 | 1.92                           |
| 2   | *5720.00       | 101.5 AV                      |                   |                | 1.66 H                   | 130                        | 99.58                  | 1.92                           |
| 3   | #5880.00       | 55.1 PK                       | 74.0              | -18.9          | 1.67 H                   | 72                         | 52.96                  | 2.14                           |
| 4   | #5880.00       | 44.4 AV                       | 54.0              | -9.6           | 1.67 H                   | 72                         | 42.26                  | 2.14                           |
| 5   | 11440.00       | 57.3 PK                       | 74.0              | -16.7          | 1.16 H                   | 258                        | 44.43                  | 12.87                          |
| 6   | 11440.00       | 45.2 AV                       | 54.0              | -8.8           | 1.16 H                   | 258                        | 32.33                  | 12.87                          |
| 7   | #17160.00      | 55.8 PK                       | 74.0              | -18.2          | 1.18 H                   | 87                         | 38.41                  | 17.39                          |
| 8   | #17160.00      | 44.9 AV                       | 54.0              | -9.1           | 1.18 H                   | 87                         | 27.51                  | 17.39                          |

**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   | *5720.00       | 118.9 PK                      |                   |                | 2.52 V                   | 303                        | 116.98                 | 1.92                           |
| 2   | *5720.00       | 108.8 AV                      |                   |                | 2.52 V                   | 303                        | 106.88                 | 1.92                           |
| 3   | #5880.00       | 64.5 PK                       | 74.0              | -9.5           | 2.34 V                   | 261                        | 62.36                  | 2.14                           |
| 4   | #5880.00       | 53.9 AV                       | 54.0              | -0.1           | 2.34 V                   | 261                        | 51.76                  | 2.14                           |
| 5   | 11440.00       | 57.8 PK                       | 74.0              | -16.2          | 2.10 V                   | 152                        | 44.93                  | 12.87                          |
| 6   | 11440.00       | 43.8 AV                       | 54.0              | -10.2          | 2.10 V                   | 152                        | 30.93                  | 12.87                          |
| 7   | #17160.00      | 57.3 PK                       | 74.0              | -16.7          | 2.25 V                   | 357                        | 39.91                  | 17.39                          |
| 8   | #17160.00      | 45.8 AV                       | 54.0              | -8.2           | 2.25 V                   | 357                        | 28.41                  | 17.39                          |

**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**

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

| <b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b> |                |                               |                   |                |                          |                            |                        |                                |
|----------------------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 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                                                              | 5110.00        | 50.7 PK                       | 74.0              | -23.3          | 1.71 H                   | 41                         | 50.00                  | 0.70                           |
| 2                                                              | 5110.00        | 39.6 AV                       | 54.0              | -14.4          | 1.71 H                   | 41                         | 38.90                  | 0.70                           |
| 3                                                              | *5270.00       | 107.5 PK                      |                   |                | 1.64 H                   | 123                        | 106.33                 | 1.17                           |
| 4                                                              | *5270.00       | 97.4 AV                       |                   |                | 1.64 H                   | 123                        | 96.23                  | 1.17                           |
| 5                                                              | 5350.00        | 59.8 PK                       | 74.0              | -14.2          | 1.71 H                   | 37                         | 58.50                  | 1.30                           |
| 6                                                              | 5350.00        | 44.2 AV                       | 54.0              | -9.8           | 1.71 H                   | 37                         | 42.90                  | 1.30                           |
| 7                                                              | 5430.00        | 52.7 PK                       | 74.0              | -21.3          | 1.62 H                   | 63                         | 51.33                  | 1.37                           |
| 8                                                              | 5430.00        | 41.4 AV                       | 54.0              | -12.6          | 1.62 H                   | 63                         | 40.03                  | 1.37                           |
| 9                                                              | #10540.00      | 57.5 PK                       | 74.0              | -16.5          | 1.18 H                   | 260                        | 46.15                  | 11.35                          |
| 10                                                             | #10540.00      | 45.2 AV                       | 54.0              | -8.8           | 1.18 H                   | 260                        | 33.85                  | 11.35                          |
| 11                                                             | 15810.00       | 56.8 PK                       | 74.0              | -17.2          | 1.11 H                   | 80                         | 44.54                  | 12.26                          |
| 12                                                             | 15810.00       | 45.4 AV                       | 54.0              | -8.6           | 1.11 H                   | 80                         | 33.14                  | 12.26                          |
| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>   |                |                               |                   |                |                          |                            |                        |                                |
| 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                                                              | 5110.00        | 60.8 PK                       | 74.0              | -13.2          | 2.36 V                   | 296                        | 60.10                  | 0.70                           |
| 2                                                              | 5110.00        | 49.6 AV                       | 54.0              | -4.4           | 2.36 V                   | 296                        | 48.90                  | 0.70                           |
| 3                                                              | *5270.00       | 113.9 PK                      |                   |                | 2.74 V                   | 245                        | 112.73                 | 1.17                           |
| 4                                                              | *5270.00       | 104.2 AV                      |                   |                | 2.74 V                   | 245                        | 103.03                 | 1.17                           |
| 5                                                              | 5350.00        | 69.4 PK                       | 74.0              | -4.6           | 2.29 V                   | 288                        | 68.10                  | 1.30                           |
| 6                                                              | 5350.00        | 53.9 AV                       | 54.0              | -0.1           | 2.29 V                   | 288                        | 52.60                  | 1.30                           |
| 7                                                              | 5430.00        | 62.3 PK                       | 74.0              | -11.7          | 2.27 V                   | 252                        | 60.93                  | 1.37                           |
| 8                                                              | 5430.00        | 51.2 AV                       | 54.0              | -2.8           | 2.27 V                   | 252                        | 49.83                  | 1.37                           |
| 9                                                              | #10540.00      | 58.1 PK                       | 74.0              | -15.9          | 2.04 V                   | 145                        | 46.75                  | 11.35                          |
| 10                                                             | #10540.00      | 43.5 AV                       | 54.0              | -10.5          | 2.04 V                   | 145                        | 32.15                  | 11.35                          |
| 11                                                             | 15810.00       | 56.8 PK                       | 74.0              | -17.2          | 2.18 V                   | 354                        | 44.54                  | 12.26                          |
| 12                                                             | 15810.00       | 45.3 AV                       | 54.0              | -8.7           | 2.18 V                   | 354                        | 33.04                  | 12.26                          |

**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       | 103.6 PK                      |                   |                | 1.66 H                   | 103                        | 102.33                 | 1.27                           |
| 2                                                   | *5310.00       | 92.1 AV                       |                   |                | 1.66 H                   | 103                        | 90.83                  | 1.27                           |
| 3                                                   | 5350.00        | 58.5 PK                       | 74.0              | -15.5          | 1.65 H                   | 51                         | 57.20                  | 1.30                           |
| 4                                                   | 5350.00        | 43.2 AV                       | 54.0              | -10.8          | 1.65 H                   | 51                         | 41.90                  | 1.30                           |
| 5                                                   | 10620.00       | 56.9 PK                       | 74.0              | -17.1          | 1.24 H                   | 270                        | 45.25                  | 11.65                          |
| 6                                                   | 10620.00       | 45.1 AV                       | 54.0              | -8.9           | 1.24 H                   | 270                        | 33.45                  | 11.65                          |
| 7                                                   | 15930.00       | 55.9 PK                       | 74.0              | -18.1          | 1.16 H                   | 90                         | 43.44                  | 12.46                          |
| 8                                                   | 15930.00       | 45.0 AV                       | 54.0              | -9.0           | 1.16 H                   | 90                         | 32.54                  | 12.46                          |
| 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       | 109.9 PK                      |                   |                | 2.60 V                   | 312                        | 108.63                 | 1.27                           |
| 2                                                   | *5310.00       | 98.9 AV                       |                   |                | 2.60 V                   | 312                        | 97.63                  | 1.27                           |
| 3                                                   | 5350.00        | 68.8 PK                       | 74.0              | -5.2           | 2.59 V                   | 306                        | 67.50                  | 1.30                           |
| 4                                                   | 5350.00        | 53.5 AV                       | 54.0              | -0.5           | 2.59 V                   | 306                        | 52.20                  | 1.30                           |
| 5                                                   | 10620.00       | 57.9 PK                       | 74.0              | -16.1          | 2.02 V                   | 146                        | 46.25                  | 11.65                          |
| 6                                                   | 10620.00       | 43.5 AV                       | 54.0              | -10.5          | 2.02 V                   | 146                        | 31.85                  | 11.65                          |
| 7                                                   | 15930.00       | 57.4 PK                       | 74.0              | -16.6          | 2.16 V                   | 349                        | 44.94                  | 12.46                          |
| 8                                                   | 15930.00       | 45.8 AV                       | 54.0              | -8.2           | 2.16 V                   | 349                        | 33.34                  | 12.46                          |

#### 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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 102 | 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   | #5470.00       | 58.7 PK                       | 74.0              | -15.3          | 1.65 H                   | 64                         | 57.25                  | 1.45                           |
| 2   | #5470.00       | 43.5 AV                       | 54.0              | -10.5          | 1.65 H                   | 64                         | 42.05                  | 1.45                           |
| 3   | *5510.00       | 102.1 PK                      |                   |                | 1.61 H                   | 124                        | 100.58                 | 1.52                           |
| 4   | *5510.00       | 91.8 AV                       |                   |                | 1.61 H                   | 124                        | 90.28                  | 1.52                           |
| 5   | #5970.00       | 45.5 PK                       | 74.0              | -28.5          | 1.78 H                   | 34                         | 43.08                  | 2.42                           |
| 6   | #5970.00       | 36.7 AV                       | 54.0              | -17.3          | 1.78 H                   | 34                         | 34.28                  | 2.42                           |
| 7   | 11020.00       | 57.9 PK                       | 74.0              | -16.1          | 1.20 H                   | 256                        | 44.89                  | 13.01                          |
| 8   | 11020.00       | 45.9 AV                       | 54.0              | -8.1           | 1.20 H                   | 256                        | 32.89                  | 13.01                          |
| 9   | #16530.00      | 56.2 PK                       | 74.0              | -17.8          | 1.21 H                   | 94                         | 40.79                  | 15.41                          |
| 10  | #16530.00      | 44.9 AV                       | 54.0              | -9.1           | 1.21 H                   | 94                         | 29.49                  | 15.41                          |

**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       | 69.0 PK                       | 74.0              | -5.0           | 2.27 V                   | 289                        | 67.55                  | 1.45                           |
| 2   | #5470.00       | 53.6 AV                       | 54.0              | -0.4           | 2.27 V                   | 289                        | 52.15                  | 1.45                           |
| 3   | *5510.00       | 108.3 PK                      |                   |                | 2.43 V                   | 262                        | 106.78                 | 1.52                           |
| 4   | *5510.00       | 98.7 AV                       |                   |                | 2.43 V                   | 262                        | 97.18                  | 1.52                           |
| 5   | #5970.00       | 55.0 PK                       | 74.0              | -19.0          | 2.51 V                   | 246                        | 52.58                  | 2.42                           |
| 6   | #5970.00       | 46.3 AV                       | 54.0              | -7.7           | 2.51 V                   | 246                        | 43.88                  | 2.42                           |
| 7   | 11020.00       | 57.6 PK                       | 74.0              | -16.4          | 2.06 V                   | 161                        | 44.59                  | 13.01                          |
| 8   | 11020.00       | 43.6 AV                       | 54.0              | -10.4          | 2.06 V                   | 161                        | 30.59                  | 13.01                          |
| 9   | #16530.00      | 57.8 PK                       | 74.0              | -16.2          | 2.23 V                   | 342                        | 42.39                  | 15.41                          |
| 10  | #16530.00      | 46.1 AV                       | 54.0              | -7.9           | 2.23 V                   | 342                        | 30.69                  | 15.41                          |

**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 110 | 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   | #5470.00       | 62.5 PK                       | 74.0              | -11.5          | 1.71 H                   | 52                         | 61.05                  | 1.45                           |
| 2   | #5470.00       | 43.2 AV                       | 54.0              | -10.8          | 1.71 H                   | 52                         | 41.75                  | 1.45                           |
| 3   | *5550.00       | 111.2 PK                      |                   |                | 1.58 H                   | 117                        | 109.60                 | 1.60                           |
| 4   | *5550.00       | 99.0 AV                       |                   |                | 1.58 H                   | 117                        | 97.40                  | 1.60                           |
| 5   | #5725.00       | 49.9 PK                       | 74.0              | -24.1          | 1.78 H                   | 52                         | 47.97                  | 1.93                           |
| 6   | #5725.00       | 39.0 AV                       | 54.0              | -15.0          | 1.78 H                   | 52                         | 37.07                  | 1.93                           |
| 7   | 11100.00       | 57.8 PK                       | 74.0              | -16.2          | 1.15 H                   | 273                        | 44.93                  | 12.87                          |
| 8   | 11100.00       | 45.6 AV                       | 54.0              | -8.4           | 1.15 H                   | 273                        | 32.73                  | 12.87                          |
| 9   | #16650.00      | 55.9 PK                       | 74.0              | -18.1          | 1.18 H                   | 80                         | 40.09                  | 15.81                          |
| 10  | #16650.00      | 45.0 AV                       | 54.0              | -9.0           | 1.18 H                   | 80                         | 29.19                  | 15.81                          |

**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       | 73.0 PK                       | 74.0              | -1.0           | 2.71 V                   | 273                        | 71.55                  | 1.45                           |
| 2   | #5470.00       | 53.5 AV                       | 54.0              | -0.5           | 2.71 V                   | 273                        | 52.05                  | 1.45                           |
| 3   | *5550.00       | 117.3 PK                      |                   |                | 2.56 V                   | 315                        | 115.70                 | 1.60                           |
| 4   | *5550.00       | 105.7 AV                      |                   |                | 2.56 V                   | 315                        | 104.10                 | 1.60                           |
| 5   | #5725.00       | 60.3 PK                       | 74.0              | -13.7          | 2.23 V                   | 243                        | 58.37                  | 1.93                           |
| 6   | #5725.00       | 49.3 AV                       | 54.0              | -4.7           | 2.23 V                   | 243                        | 47.37                  | 1.93                           |
| 7   | 11100.00       | 57.9 PK                       | 74.0              | -16.1          | 2.10 V                   | 163                        | 45.03                  | 12.87                          |
| 8   | 11100.00       | 43.8 AV                       | 54.0              | -10.2          | 2.10 V                   | 163                        | 30.93                  | 12.87                          |
| 9   | #16650.00      | 58.1 PK                       | 74.0              | -15.9          | 2.16 V                   | 345                        | 42.29                  | 15.81                          |
| 10  | #16650.00      | 46.3 AV                       | 54.0              | -7.7           | 2.16 V                   | 345                        | 30.49                  | 15.81                          |

**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 134 | 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   | *5670.00       | 109.2 PK                      |                   |                | 1.65 H                   | 129                        | 107.37                 | 1.83                           |
| 2   | *5670.00       | 97.2 AV                       |                   |                | 1.65 H                   | 129                        | 95.37                  | 1.83                           |
| 3   | #5725.00       | 63.5 PK                       | 74.0              | -10.5          | 1.64 H                   | 65                         | 61.57                  | 1.93                           |
| 4   | #5725.00       | 43.4 AV                       | 54.0              | -10.6          | 1.64 H                   | 65                         | 41.47                  | 1.93                           |
| 5   | 11340.00       | 57.8 PK                       | 74.0              | -16.2          | 1.15 H                   | 253                        | 44.59                  | 13.21                          |
| 6   | 11340.00       | 45.9 AV                       | 54.0              | -8.1           | 1.15 H                   | 253                        | 32.69                  | 13.21                          |
| 7   | #17010.00      | 56.6 PK                       | 74.0              | -17.4          | 1.10 H                   | 76                         | 39.59                  | 17.01                          |
| 8   | #17010.00      | 45.3 AV                       | 54.0              | -8.7           | 1.10 H                   | 76                         | 28.29                  | 17.01                          |

**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       | 115.3 PK                      |                   |                | 2.50 V                   | 294                        | 113.47                 | 1.83                           |
| 2   | *5670.00       | 103.9 AV                      |                   |                | 2.50 V                   | 294                        | 102.07                 | 1.83                           |
| 3   | #5725.00       | 73.6 PK                       | 74.0              | -0.4           | 2.48 V                   | 317                        | 71.67                  | 1.93                           |
| 4   | #5725.00       | 53.2 AV                       | 54.0              | -0.8           | 2.48 V                   | 317                        | 51.27                  | 1.93                           |
| 5   | 11340.00       | 58.0 PK                       | 74.0              | -16.0          | 2.11 V                   | 166                        | 44.79                  | 13.21                          |
| 6   | 11340.00       | 43.9 AV                       | 54.0              | -10.1          | 2.11 V                   | 166                        | 30.69                  | 13.21                          |
| 7   | #17010.00      | 57.2 PK                       | 74.0              | -16.8          | 2.14 V                   | 337                        | 40.19                  | 17.01                          |
| 8   | #17010.00      | 45.5 AV                       | 54.0              | -8.5           | 2.14 V                   | 337                        | 28.49                  | 17.01                          |

**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 142 | <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       | 48.6 PK                       | 74.0              | -25.4          | 1.60 H                   | 55                         | 47.15                  | 1.45                           |
| 2   | #5470.00       | 37.5 AV                       | 54.0              | -16.5          | 1.60 H                   | 55                         | 36.05                  | 1.45                           |
| 3   | *5710.00       | 113.5 PK                      |                   |                | 1.64 H                   | 105                        | 111.59                 | 1.91                           |
| 4   | *5710.00       | 100.4 AV                      |                   |                | 1.64 H                   | 105                        | 98.49                  | 1.91                           |
| 5   | #5850.00       | 55.6 PK                       | 78.2              | -22.6          | 1.68 H                   | 49                         | 53.47                  | 2.13                           |
| 6   | 11420.00       | 57.2 PK                       | 74.0              | -16.8          | 1.16 H                   | 278                        | 44.32                  | 12.88                          |
| 7   | 11420.00       | 45.2 AV                       | 54.0              | -8.8           | 1.16 H                   | 278                        | 32.32                  | 12.88                          |
| 8   | #17130.00      | 56.8 PK                       | 74.0              | -17.2          | 1.14 H                   | 88                         | 39.46                  | 17.34                          |
| 9   | #17130.00      | 45.5 AV                       | 54.0              | -8.5           | 1.14 H                   | 88                         | 28.16                  | 17.34                          |

**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       | 58.6 PK                       | 74.0              | -15.4          | 2.33 V                   | 304                        | 57.15                  | 1.45                           |
| 2   | #5470.00       | 47.7 AV                       | 54.0              | -6.3           | 2.33 V                   | 304                        | 46.25                  | 1.45                           |
| 3   | *5710.00       | 119.6 PK                      |                   |                | 2.24 V                   | 314                        | 117.69                 | 1.91                           |
| 4   | *5710.00       | 107.0 AV                      |                   |                | 2.24 V                   | 314                        | 105.09                 | 1.91                           |
| 5   | #5850.00       | 65.3 PK                       | 78.2              | -12.9          | 2.41 V                   | 253                        | 63.17                  | 2.13                           |
| 6   | 11420.00       | 58.2 PK                       | 74.0              | -15.8          | 2.07 V                   | 175                        | 45.32                  | 12.88                          |
| 7   | 11420.00       | 44.0 AV                       | 54.0              | -10.0          | 2.07 V                   | 175                        | 31.12                  | 12.88                          |
| 8   | #17130.00      | 57.7 PK                       | 74.0              | -16.3          | 2.20 V                   | 358                        | 40.36                  | 17.34                          |
| 9   | #17130.00      | 45.8 AV                       | 54.0              | -8.2           | 2.20 V                   | 358                        | 28.46                  | 17.34                          |

**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)

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <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                                                   | 4702.00        | 44.9 PK                       | 74.0              | -29.1          | 1.72 H                   | 46                         | 45.27                  | -0.37                          |
| 2                                                   | 4702.00        | 35.8 AV                       | 54.0              | -18.2          | 1.72 H                   | 46                         | 36.17                  | -0.37                          |
| 3                                                   | 5150.00        | 46.8 PK                       | 74.0              | -27.2          | 1.68 H                   | 57                         | 46.00                  | 0.80                           |
| 4                                                   | 5150.00        | 35.7 AV                       | 54.0              | -18.3          | 1.68 H                   | 57                         | 34.90                  | 0.80                           |
| 5                                                   | *5290.00       | 99.5 PK                       |                   |                | 1.58 H                   | 104                        | 98.27                  | 1.23                           |
| 6                                                   | *5290.00       | 86.4 AV                       |                   |                | 1.58 H                   | 104                        | 85.17                  | 1.23                           |
| 7                                                   | 5350.00        | 58.7 PK                       | 74.0              | -15.3          | 1.74 H                   | 41                         | 57.40                  | 1.30                           |
| 8                                                   | 5350.00        | 43.2 AV                       | 54.0              | -10.8          | 1.74 H                   | 41                         | 41.90                  | 1.30                           |
| 9                                                   | #10580.00      | 57.4 PK                       | 74.0              | -16.6          | 1.14 H                   | 279                        | 45.85                  | 11.55                          |
| 10                                                  | #10580.00      | 45.2 AV                       | 54.0              | -8.8           | 1.14 H                   | 279                        | 33.65                  | 11.55                          |
| 11                                                  | 15870.00       | 56.2 PK                       | 74.0              | -17.8          | 1.13 H                   | 103                        | 43.80                  | 12.40                          |
| 12                                                  | 15870.00       | 45.1 AV                       | 54.0              | -8.9           | 1.13 H                   | 103                        | 32.70                  | 12.40                          |
| 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                                                   | 4702.00        | 54.6 PK                       | 74.0              | -19.4          | 2.25 V                   | 292                        | 54.97                  | -0.37                          |
| 2                                                   | 4702.00        | 45.6 AV                       | 54.0              | -8.4           | 2.25 V                   | 292                        | 45.97                  | -0.37                          |
| 3                                                   | 5150.00        | 56.3 PK                       | 74.0              | -17.7          | 2.28 V                   | 293                        | 55.50                  | 0.80                           |
| 4                                                   | 5150.00        | 45.2 AV                       | 54.0              | -8.8           | 2.28 V                   | 293                        | 44.40                  | 0.80                           |
| 5                                                   | *5290.00       | 105.4 PK                      |                   |                | 2.16 V                   | 321                        | 104.17                 | 1.23                           |
| 6                                                   | *5290.00       | 92.8 AV                       |                   |                | 2.16 V                   | 321                        | 91.57                  | 1.23                           |
| 7                                                   | 5350.00        | 68.6 PK                       | 74.0              | -5.4           | 2.24 V                   | 297                        | 67.30                  | 1.30                           |
| 8                                                   | 5350.00        | 53.3 AV                       | 54.0              | -0.7           | 2.24 V                   | 297                        | 52.00                  | 1.30                           |
| 9                                                   | #10580.00      | 58.7 PK                       | 74.0              | -15.3          | 2.02 V                   | 175                        | 47.15                  | 11.55                          |
| 10                                                  | #10580.00      | 44.5 AV                       | 54.0              | -9.5           | 2.02 V                   | 175                        | 32.95                  | 11.55                          |
| 11                                                  | 15870.00       | 57.9 PK                       | 74.0              | -16.1          | 2.24 V                   | 356                        | 45.50                  | 12.40                          |
| 12                                                  | 15870.00       | 46.0 AV                       | 54.0              | -8.0           | 2.24 V                   | 356                        | 33.60                  | 12.40                          |

## 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 106 | 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   | #5470.00       | 60.2 PK                       | 74.0              | -13.8          | 1.64 H                   | 50                         | 58.75                  | 1.45                           |
| 2   | #5470.00       | 43.3 AV                       | 54.0              | -10.7          | 1.64 H                   | 50                         | 41.85                  | 1.45                           |
| 3   | *5530.00       | 101.0 PK                      |                   |                | 1.56 H                   | 110                        | 99.44                  | 1.56                           |
| 4   | *5530.00       | 87.3 AV                       |                   |                | 1.56 H                   | 110                        | 85.74                  | 1.56                           |
| 5   | 11060.00       | 57.3 PK                       | 74.0              | -16.7          | 1.17 H                   | 277                        | 44.36                  | 12.94                          |
| 6   | 11060.00       | 45.2 AV                       | 54.0              | -8.8           | 1.17 H                   | 277                        | 32.26                  | 12.94                          |
| 7   | #16590.00      | 55.9 PK                       | 74.0              | -18.1          | 1.20 H                   | 86                         | 40.23                  | 15.67                          |
| 8   | #16590.00      | 44.7 AV                       | 54.0              | -9.3           | 1.20 H                   | 86                         | 29.03                  | 15.67                          |

**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       | 70.6 PK                       | 74.0              | -3.4           | 2.15 V                   | 297                        | 69.15                  | 1.45                           |
| 2   | #5470.00       | 53.5 AV                       | 54.0              | -0.5           | 2.15 V                   | 297                        | 52.05                  | 1.45                           |
| 3   | *5530.00       | 106.8 PK                      |                   |                | 2.13 V                   | 307                        | 105.24                 | 1.56                           |
| 4   | *5530.00       | 93.6 AV                       |                   |                | 2.13 V                   | 307                        | 92.04                  | 1.56                           |
| 5   | 11060.00       | 58.4 PK                       | 74.0              | -15.6          | 2.05 V                   | 152                        | 45.46                  | 12.94                          |
| 6   | 11060.00       | 44.1 AV                       | 54.0              | -9.9           | 2.05 V                   | 152                        | 31.16                  | 12.94                          |
| 7   | #16590.00      | 57.7 PK                       | 74.0              | -16.3          | 2.22 V                   | 357                        | 42.03                  | 15.67                          |
| 8   | #16590.00      | 45.8 AV                       | 54.0              | -8.2           | 2.22 V                   | 357                        | 30.13                  | 15.67                          |

**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 122 | <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       | 56.3 PK                       | 74.0              | -17.7          | 1.77 H                   | 43                         | 54.85                  | 1.45                           |
| 2   | #5470.00       | 40.6 AV                       | 54.0              | -13.4          | 1.77 H                   | 43                         | 39.15                  | 1.45                           |
| 3   | *5610.00       | 106.2 PK                      |                   |                | 1.64 H                   | 128                        | 104.49                 | 1.71                           |
| 4   | *5610.00       | 93.1 AV                       |                   |                | 1.64 H                   | 128                        | 91.39                  | 1.71                           |
| 5   | #5725.00       | 56.6 PK                       | 74.0              | -17.4          | 1.66 H                   | 51                         | 54.67                  | 1.93                           |
| 6   | #5725.00       | 43.0 AV                       | 54.0              | -11.0          | 1.66 H                   | 51                         | 41.07                  | 1.93                           |
| 7   | 11220.00       | 57.9 PK                       | 74.0              | -16.1          | 1.17 H                   | 272                        | 44.98                  | 12.92                          |
| 8   | 11220.00       | 45.7 AV                       | 54.0              | -8.3           | 1.17 H                   | 272                        | 32.78                  | 12.92                          |
| 9   | #16830.00      | 56.5 PK                       | 74.0              | -17.5          | 1.20 H                   | 105                        | 40.22                  | 16.28                          |
| 10  | #16830.00      | 45.3 AV                       | 54.0              | -8.7           | 1.20 H                   | 105                        | 29.02                  | 16.28                          |

**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       | 66.0 PK                       | 74.0              | -8.0           | 2.08 V                   | 319                        | 64.55                  | 1.45                           |
| 2   | #5470.00       | 50.2 AV                       | 54.0              | -3.8           | 2.08 V                   | 319                        | 48.75                  | 1.45                           |
| 3   | *5610.00       | 111.9 PK                      |                   |                | 2.11 V                   | 297                        | 110.19                 | 1.71                           |
| 4   | *5610.00       | 99.2 AV                       |                   |                | 2.11 V                   | 297                        | 97.49                  | 1.71                           |
| 5   | #5725.00       | 66.7 PK                       | 74.0              | -7.3           | 2.12 V                   | 306                        | 64.77                  | 1.93                           |
| 6   | #5725.00       | 53.2 AV                       | 54.0              | -0.8           | 2.12 V                   | 306                        | 51.27                  | 1.93                           |
| 7   | 11220.00       | 58.2 PK                       | 74.0              | -15.8          | 2.00 V                   | 162                        | 45.28                  | 12.92                          |
| 8   | 11220.00       | 44.2 AV                       | 54.0              | -9.8           | 2.00 V                   | 162                        | 31.28                  | 12.92                          |
| 9   | #16830.00      | 58.0 PK                       | 74.0              | -16.0          | 2.21 V                   | 360                        | 41.72                  | 16.28                          |
| 10  | #16830.00      | 46.2 AV                       | 54.0              | -7.8           | 2.21 V                   | 360                        | 29.92                  | 16.28                          |

**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 138 | 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   | *5690.00       | 106.9 PK                      |                   |                | 1.67 H                   | 122                        | 105.03                 | 1.87                           |
| 2   | *5690.00       | 93.7 AV                       |                   |                | 1.67 H                   | 122                        | 91.83                  | 1.87                           |
| 3   | #5850.00       | 63.7 PK                       | 78.2              | -14.5          | 1.64 H                   | 66                         | 61.57                  | 2.13                           |
| 4   | #5860.00       | 56.5 PK                       | 74.0              | -17.5          | 1.69 H                   | 50                         | 54.37                  | 2.13                           |
| 5   | #5860.00       | 43.0 AV                       | 54.0              | -11.0          | 1.69 H                   | 50                         | 40.87                  | 2.13                           |
| 6   | 11380.00       | 57.7 PK                       | 74.0              | -16.3          | 1.14 H                   | 260                        | 44.72                  | 12.98                          |
| 7   | 11380.00       | 45.4 AV                       | 54.0              | -8.6           | 1.14 H                   | 260                        | 32.42                  | 12.98                          |
| 8   | #17070.00      | 56.6 PK                       | 74.0              | -17.4          | 1.20 H                   | 101                        | 39.38                  | 17.22                          |
| 9   | #17070.00      | 45.1 AV                       | 54.0              | -8.9           | 1.20 H                   | 101                        | 27.88                  | 17.22                          |

**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   | *5690.00       | 112.5 PK                      |                   |                | 2.11 V                   | 321                        | 110.63                 | 1.87                           |
| 2   | *5690.00       | 99.7 AV                       |                   |                | 2.11 V                   | 321                        | 97.83                  | 1.87                           |
| 3   | #5850.00       | 73.6 PK                       | 78.2              | -4.6           | 2.72 V                   | 75                         | 71.47                  | 2.13                           |
| 4   | #5860.00       | 67.0 PK                       | 74.0              | -7.0           | 2.07 V                   | 326                        | 64.87                  | 2.13                           |
| 5   | #5860.00       | 53.3 AV                       | 54.0              | -0.7           | 2.07 V                   | 326                        | 51.17                  | 2.13                           |
| 6   | 11380.00       | 58.0 PK                       | 74.0              | -16.0          | 2.07 V                   | 151                        | 45.02                  | 12.98                          |
| 7   | 11380.00       | 43.6 AV                       | 54.0              | -10.4          | 2.07 V                   | 151                        | 30.62                  | 12.98                          |
| 8   | #17070.00      | 57.8 PK                       | 74.0              | -16.2          | 2.25 V                   | 354                        | 40.58                  | 17.22                          |
| 9   | #17070.00      | 45.8 AV                       | 54.0              | -8.2           | 2.25 V                   | 354                        | 28.58                  | 17.22                          |

**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 WORST-CASE DATA

802.11ac (VHT 40)

ANT1, ANT2, ANT3

|                 |               |                      |                 |
|-----------------|---------------|----------------------|-----------------|
| CHANNEL         | TX Channel 54 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 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                                                   | 39.38          | 33.2 QP                       | 40.0              | -6.9           | 1.00 H                   | 194                        | 48.95                  | -15.80                         |
| 2                                                   | 88.83          | 34.1 QP                       | 43.5              | -9.4           | 2.00 H                   | 58                         | 55.11                  | -20.97                         |
| 3                                                   | 146.06         | 34.1 QP                       | 43.5              | -9.4           | 2.00 H                   | 62                         | 49.41                  | -15.32                         |
| 4                                                   | 164.49         | 30.6 QP                       | 43.5              | -12.9          | 1.50 H                   | 88                         | 45.89                  | -15.29                         |
| 5                                                   | 799.99         | 39.1 QP                       | 46.0              | -6.9           | 1.00 H                   | 291                        | 42.68                  | -3.57                          |
| 6                                                   | 999.98         | 35.0 QP                       | 54.0              | -19.0          | 1.50 H                   | 320                        | 35.98                  | -0.99                          |
| 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                                                   | 30.61          | 35.2 QP                       | 40.0              | -4.8           | 1.00 V                   | 67                         | 51.76                  | -16.53                         |
| 2                                                   | 73.99          | 34.6 QP                       | 40.0              | -5.4           | 1.50 V                   | 287                        | 53.27                  | -18.68                         |
| 3                                                   | 106.73         | 38.4 QP                       | 43.5              | -5.1           | 1.50 V                   | 239                        | 56.86                  | -18.42                         |
| 4                                                   | 146.57         | 33.6 QP                       | 43.5              | -9.9           | 1.50 V                   | 123                        | 48.85                  | -15.29                         |
| 5                                                   | 250.00         | 27.2 QP                       | 46.0              | -18.8          | 1.00 V                   | 4                          | 43.38                  | -16.14                         |
| 6                                                   | 1000.00        | 36.0 QP                       | 54.0              | -18.1          | 1.00 V                   | 333                        | 36.94                  | -0.99                          |

### 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 :

3TX

ANT7, ANT8, ANT9

802.11a

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| 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                                                   | 5100.00        | 60.4 PK                       | 74.0              | -13.6          | 1.00 H                   | 360                        | 58.08                  | 2.32                           |
| 2                                                   | 5100.00        | 43.9 AV                       | 54.0              | -10.1          | 1.00 H                   | 360                        | 41.58                  | 2.32                           |
| 3                                                   | *5260.00       | 115.3 PK                      |                   |                | 3.31 H                   | 348                        | 112.76                 | 2.54                           |
| 4                                                   | *5260.00       | 105.4 AV                      |                   |                | 3.31 H                   | 348                        | 102.86                 | 2.54                           |
| 5                                                   | 5420.00        | 63.0 PK                       | 74.0              | -11.0          | 1.03 H                   | 354                        | 60.27                  | 2.73                           |
| 6                                                   | 5420.00        | 45.6 AV                       | 54.0              | -8.4           | 1.03 H                   | 354                        | 42.87                  | 2.73                           |
| 7                                                   | #10520.00      | 50.3 PK                       | 74.0              | -23.7          | 2.01 H                   | 129                        | 37.90                  | 12.40                          |
| 8                                                   | #10520.00      | 37.9 AV                       | 54.0              | -16.1          | 2.01 H                   | 129                        | 25.50                  | 12.40                          |
| 9                                                   | 15780.00       | 51.4 PK                       | 74.0              | -22.6          | 2.14 H                   | 136                        | 36.58                  | 14.82                          |
| 10                                                  | 15780.00       | 39.1 AV                       | 54.0              | -14.9          | 2.14 H                   | 136                        | 24.28                  | 14.82                          |
| 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                                                   | 5100.00        | 62.7 PK                       | 74.0              | -11.3          | 2.34 V                   | 52                         | 60.38                  | 2.32                           |
| 2                                                   | 5100.00        | 52.5 AV                       | 54.0              | -1.5           | 2.34 V                   | 52                         | 50.18                  | 2.32                           |
| 3                                                   | *5260.00       | 119.5 PK                      |                   |                | 2.27 V                   | 301                        | 116.96                 | 2.54                           |
| 4                                                   | *5260.00       | 109.1 AV                      |                   |                | 2.27 V                   | 301                        | 106.56                 | 2.54                           |
| 5                                                   | 5420.00        | 63.7 PK                       | 74.0              | -10.3          | 2.20 V                   | 300                        | 60.97                  | 2.73                           |
| 6                                                   | 5420.00        | 53.7 AV                       | 54.0              | -0.3           | 2.20 V                   | 300                        | 50.97                  | 2.73                           |
| 7                                                   | #10520.00      | 50.9 PK                       | 74.0              | -23.1          | 2.37 V                   | 196                        | 38.50                  | 12.40                          |
| 8                                                   | #10520.00      | 40.6 AV                       | 54.0              | -13.4          | 2.37 V                   | 196                        | 28.20                  | 12.40                          |
| 9                                                   | 15780.00       | 55.3 PK                       | 74.0              | -18.7          | 2.49 V                   | 315                        | 40.48                  | 14.82                          |
| 10                                                  | 15780.00       | 44.2 AV                       | 54.0              | -9.8           | 2.49 V                   | 315                        | 29.38                  | 14.82                          |

#### 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 60 | 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   | 5140.00        | 60.1 PK                       | 74.0              | -13.9          | 1.04 H                   | 360                        | 57.73                  | 2.37                           |
| 2   | 5140.00        | 43.5 AV                       | 54.0              | -10.5          | 1.04 H                   | 360                        | 41.13                  | 2.37                           |
| 3   | *5300.00       | 114.8 PK                      |                   |                | 3.26 H                   | 321                        | 112.19                 | 2.61                           |
| 4   | *5300.00       | 105.2 AV                      |                   |                | 3.26 H                   | 321                        | 102.59                 | 2.61                           |
| 5   | 5460.00        | 62.7 PK                       | 74.0              | -11.3          | 1.11 H                   | 360                        | 59.92                  | 2.78                           |
| 6   | 5460.00        | 45.1 AV                       | 54.0              | -8.9           | 1.11 H                   | 360                        | 42.32                  | 2.78                           |
| 7   | 10600.00       | 50.5 PK                       | 74.0              | -23.5          | 1.97 H                   | 123                        | 37.64                  | 12.86                          |
| 8   | 10600.00       | 38.2 AV                       | 54.0              | -15.8          | 1.97 H                   | 123                        | 25.34                  | 12.86                          |
| 9   | 15900.00       | 52.6 PK                       | 74.0              | -21.4          | 2.17 H                   | 134                        | 37.73                  | 14.87                          |
| 10  | 15900.00       | 39.8 AV                       | 54.0              | -14.2          | 2.17 H                   | 134                        | 24.93                  | 14.87                          |

**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   | 5140.00        | 62.3 PK                       | 74.0              | -11.7          | 2.53 V                   | 54                         | 59.93                  | 2.37                           |
| 2   | 5140.00        | 52.2 AV                       | 54.0              | -1.8           | 2.53 V                   | 54                         | 49.83                  | 2.37                           |
| 3   | *5300.00       | 118.2 PK                      |                   |                | 2.01 V                   | 315                        | 115.59                 | 2.61                           |
| 4   | *5300.00       | 108.1 AV                      |                   |                | 2.01 V                   | 315                        | 105.49                 | 2.61                           |
| 5   | 5460.00        | 63.9 PK                       | 74.0              | -10.1          | 2.32 V                   | 296                        | 61.12                  | 2.78                           |
| 6   | 5460.00        | 53.6 AV                       | 54.0              | -0.4           | 2.32 V                   | 296                        | 50.82                  | 2.78                           |
| 7   | 10600.00       | 51.5 PK                       | 74.0              | -22.5          | 2.40 V                   | 215                        | 38.64                  | 12.86                          |
| 8   | 10600.00       | 41.1 AV                       | 54.0              | -12.9          | 2.40 V                   | 215                        | 28.24                  | 12.86                          |
| 9   | 15900.00       | 55.4 PK                       | 74.0              | -18.6          | 2.46 V                   | 328                        | 40.53                  | 14.87                          |
| 10  | 15900.00       | 44.4 AV                       | 54.0              | -9.6           | 2.46 V                   | 328                        | 29.53                  | 14.87                          |

**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       | 113.9 PK                      |                   |                | 3.30 H                   | 330                        | 111.27                 | 2.63                           |
| 2                                                   | *5320.00       | 103.6 AV                      |                   |                | 3.30 H                   | 330                        | 100.97                 | 2.63                           |
| 3                                                   | 5350.00        | 62.4 PK                       | 74.0              | -11.6          | 1.13 H                   | 360                        | 59.75                  | 2.65                           |
| 4                                                   | 5350.00        | 45.0 AV                       | 54.0              | -9.0           | 1.13 H                   | 360                        | 42.35                  | 2.65                           |
| 5                                                   | 10640.00       | 50.3 PK                       | 74.0              | -23.7          | 1.97 H                   | 146                        | 37.42                  | 12.88                          |
| 6                                                   | 10640.00       | 38.3 AV                       | 54.0              | -15.7          | 1.97 H                   | 146                        | 25.42                  | 12.88                          |
| 7                                                   | 15960.00       | 51.8 PK                       | 74.0              | -22.2          | 2.09 H                   | 134                        | 36.87                  | 14.93                          |
| 8                                                   | 15960.00       | 39.5 AV                       | 54.0              | -14.5          | 2.09 H                   | 134                        | 24.57                  | 14.93                          |
| 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       | 116.9 PK                      |                   |                | 2.24 V                   | 299                        | 114.27                 | 2.63                           |
| 2                                                   | *5320.00       | 106.2 AV                      |                   |                | 2.24 V                   | 299                        | 103.57                 | 2.63                           |
| 3                                                   | 5350.00        | 71.0 PK                       | 74.0              | -3.0           | 2.32 V                   | 62                         | 68.35                  | 2.65                           |
| 4                                                   | 5350.00        | 53.6 AV                       | 54.0              | -0.4           | 2.32 V                   | 62                         | 50.95                  | 2.65                           |
| 5                                                   | 10640.00       | 52.0 PK                       | 74.0              | -22.0          | 2.45 V                   | 188                        | 39.12                  | 12.88                          |
| 6                                                   | 10640.00       | 39.0 AV                       | 54.0              | -15.0          | 2.45 V                   | 188                        | 26.12                  | 12.88                          |
| 7                                                   | 15960.00       | 55.7 PK                       | 74.0              | -18.3          | 2.54 V                   | 327                        | 40.77                  | 14.93                          |
| 8                                                   | 15960.00       | 43.2 AV                       | 54.0              | -10.8          | 2.54 V                   | 327                        | 28.27                  | 14.93                          |

#### 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       | 60.1 PK                       | 74.0              | -13.9          | 1.00 H                   | 360                        | 57.31                  | 2.79                           |
| 2   | #5470.00       | 43.7 AV                       | 54.0              | -10.3          | 1.00 H                   | 360                        | 40.91                  | 2.79                           |
| 3   | *5500.00       | 111.2 PK                      |                   |                | 3.33 H                   | 340                        | 108.37                 | 2.83                           |
| 4   | *5500.00       | 101.7 AV                      |                   |                | 3.33 H                   | 340                        | 98.87                  | 2.83                           |
| 5   | #5735.00       | 62.8 PK                       | 74.0              | -11.2          | 1.05 H                   | 360                        | 59.43                  | 3.37                           |
| 6   | #5735.00       | 45.5 AV                       | 54.0              | -8.5           | 1.05 H                   | 360                        | 42.13                  | 3.37                           |
| 7   | 11000.00       | 50.9 PK                       | 74.0              | -23.1          | 2.01 H                   | 141                        | 37.26                  | 13.64                          |
| 8   | 11000.00       | 38.5 AV                       | 54.0              | -15.5          | 2.01 H                   | 141                        | 24.86                  | 13.64                          |
| 9   | #16500.00      | 51.5 PK                       | 74.0              | -22.5          | 2.12 H                   | 128                        | 32.86                  | 18.64                          |
| 10  | #16500.00      | 39.1 AV                       | 54.0              | -14.9          | 2.12 H                   | 128                        | 20.46                  | 18.64                          |

**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       | 71.1 PK                       | 74.0              | -2.9           | 2.25 V                   | 302                        | 68.31                  | 2.79                           |
| 2   | #5470.00       | 53.2 AV                       | 54.0              | -0.8           | 2.25 V                   | 302                        | 50.41                  | 2.79                           |
| 3   | *5500.00       | 116.1 PK                      |                   |                | 2.36 V                   | 305                        | 113.27                 | 2.83                           |
| 4   | *5500.00       | 105.9 AV                      |                   |                | 2.36 V                   | 305                        | 103.07                 | 2.83                           |
| 5   | #5735.00       | 64.3 PK                       | 74.0              | -9.7           | 2.15 V                   | 61                         | 60.93                  | 3.37                           |
| 6   | #5735.00       | 53.7 AV                       | 54.0              | -0.3           | 2.15 V                   | 61                         | 50.33                  | 3.37                           |
| 7   | 11000.00       | 52.2 PK                       | 74.0              | -21.8          | 2.46 V                   | 197                        | 38.56                  | 13.64                          |
| 8   | 11000.00       | 39.2 AV                       | 54.0              | -14.8          | 2.46 V                   | 197                        | 25.56                  | 13.64                          |
| 9   | #16500.00      | 55.4 PK                       | 74.0              | -18.6          | 2.49 V                   | 325                        | 36.76                  | 18.64                          |
| 10  | #16500.00      | 42.8 AV                       | 54.0              | -11.2          | 2.49 V                   | 325                        | 24.16                  | 18.64                          |

**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   | 5420.00        | 62.5 PK                       | 74.0              | -11.5          | 1.09 H                   | 352                        | 59.77                  | 2.73                           |
| 2   | 5420.00        | 44.9 AV                       | 54.0              | -9.1           | 1.09 H                   | 352                        | 42.17                  | 2.73                           |
| 3   | *5580.00       | 113.9 PK                      |                   |                | 3.32 H                   | 346                        | 110.84                 | 3.06                           |
| 4   | *5580.00       | 103.2 AV                      |                   |                | 3.32 H                   | 346                        | 100.14                 | 3.06                           |
| 5   | #5740.00       | 62.7 PK                       | 74.0              | -11.3          | 1.10 H                   | 360                        | 59.33                  | 3.37                           |
| 6   | #5740.00       | 45.4 AV                       | 54.0              | -8.6           | 1.10 H                   | 360                        | 42.03                  | 3.37                           |
| 7   | 11160.00       | 50.6 PK                       | 74.0              | -23.4          | 1.96 H                   | 145                        | 36.98                  | 13.62                          |
| 8   | 11160.00       | 38.5 AV                       | 54.0              | -15.5          | 1.96 H                   | 145                        | 24.88                  | 13.62                          |
| 9   | #16740.00      | 52.6 PK                       | 74.0              | -21.4          | 2.18 H                   | 138                        | 33.01                  | 19.59                          |
| 10  | #16740.00      | 39.8 AV                       | 54.0              | -14.2          | 2.18 H                   | 138                        | 20.21                  | 19.59                          |

**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   | 5420.00        | 64.0 PK                       | 74.0              | -10.0          | 2.39 V                   | 293                        | 61.27                  | 2.73                           |
| 2   | 5420.00        | 53.7 AV                       | 54.0              | -0.3           | 2.39 V                   | 293                        | 50.97                  | 2.73                           |
| 3   | *5580.00       | 116.9 PK                      |                   |                | 2.39 V                   | 295                        | 113.84                 | 3.06                           |
| 4   | *5580.00       | 106.2 AV                      |                   |                | 2.39 V                   | 295                        | 103.14                 | 3.06                           |
| 5   | #5740.00       | 63.3 PK                       | 74.0              | -10.7          | 2.38 V                   | 294                        | 59.93                  | 3.37                           |
| 6   | #5740.00       | 53.7 AV                       | 54.0              | -0.3           | 2.38 V                   | 294                        | 50.33                  | 3.37                           |
| 7   | 11160.00       | 52.7 PK                       | 74.0              | -21.3          | 2.47 V                   | 194                        | 39.08                  | 13.62                          |
| 8   | 11160.00       | 39.5 AV                       | 54.0              | -14.5          | 2.47 V                   | 194                        | 25.88                  | 13.62                          |
| 9   | #16740.00      | 55.3 PK                       | 74.0              | -18.7          | 2.45 V                   | 314                        | 35.71                  | 19.59                          |
| 10  | #16740.00      | 42.8 AV                       | 54.0              | -11.2          | 2.45 V                   | 314                        | 23.21                  | 19.59                          |

**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       | 111.2 PK                      |                   |                | 3.33 H                   | 332                        | 107.88                 | 3.32                           |
| 2   | *5700.00       | 101.7 AV                      |                   |                | 3.33 H                   | 332                        | 98.38                  | 3.32                           |
| 3   | #5725.00       | 62.0 PK                       | 74.0              | -12.0          | 1.07 H                   | 344                        | 58.64                  | 3.36                           |
| 4   | #5725.00       | 44.7 AV                       | 54.0              | -9.3           | 1.07 H                   | 344                        | 41.34                  | 3.36                           |
| 5   | #5780.00       | 60.6 PK                       | 74.0              | -13.4          | 1.03 H                   | 360                        | 57.18                  | 3.42                           |
| 6   | #5780.00       | 44.0 AV                       | 54.0              | -10.0          | 1.03 H                   | 360                        | 40.58                  | 3.42                           |
| 7   | 11400.00       | 50.7 PK                       | 74.0              | -23.3          | 1.96 H                   | 134                        | 37.09                  | 13.61                          |
| 8   | 11400.00       | 38.4 AV                       | 54.0              | -15.6          | 1.96 H                   | 134                        | 24.79                  | 13.61                          |
| 9   | #17100.00      | 52.0 PK                       | 74.0              | -22.0          | 2.15 H                   | 141                        | 31.10                  | 20.90                          |
| 10  | #17100.00      | 39.4 AV                       | 54.0              | -14.6          | 2.15 H                   | 141                        | 18.50                  | 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   | *5700.00       | 114.9 PK                      |                   |                | 2.20 V                   | 296                        | 111.58                 | 3.32                           |
| 2   | *5700.00       | 105.0 AV                      |                   |                | 2.20 V                   | 296                        | 101.68                 | 3.32                           |
| 3   | #5725.00       | 72.7 PK                       | 74.0              | -1.3           | 2.41 V                   | 291                        | 69.34                  | 3.36                           |
| 4   | #5725.00       | 53.4 AV                       | 54.0              | -0.6           | 2.41 V                   | 291                        | 50.04                  | 3.36                           |
| 5   | #5780.00       | 63.6 PK                       | 74.0              | -10.4          | 2.37 V                   | 295                        | 60.18                  | 3.42                           |
| 6   | #5780.00       | 52.2 AV                       | 54.0              | -1.8           | 2.37 V                   | 295                        | 48.78                  | 3.42                           |
| 7   | 11400.00       | 51.6 PK                       | 74.0              | -22.4          | 2.31 V                   | 146                        | 37.99                  | 13.61                          |
| 8   | 11400.00       | 38.5 AV                       | 54.0              | -15.5          | 2.31 V                   | 146                        | 24.89                  | 13.61                          |
| 9   | #17100.00      | 53.5 PK                       | 74.0              | -20.5          | 2.36 V                   | 287                        | 32.60                  | 20.90                          |
| 10  | #17100.00      | 41.6 AV                       | 54.0              | -12.4          | 2.36 V                   | 287                        | 20.70                  | 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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 144 | 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   | *5720.00       | 116.4 PK                      |                   |                | 3.34 H                   | 335                        | 113.05                 | 3.35                           |
| 2   | *5720.00       | 105.7 AV                      |                   |                | 3.34 H                   | 335                        | 102.35                 | 3.35                           |
| 3   | #5880.00       | 62.3 PK                       | 74.0              | -11.7          | 1.12 H                   | 343                        | 58.78                  | 3.52                           |
| 4   | #5880.00       | 44.8 AV                       | 54.0              | -9.2           | 1.12 H                   | 343                        | 41.28                  | 3.52                           |
| 5   | 11440.00       | 50.3 PK                       | 74.0              | -23.7          | 1.94 H                   | 145                        | 36.74                  | 13.56                          |
| 6   | 11440.00       | 37.9 AV                       | 54.0              | -16.1          | 1.94 H                   | 145                        | 24.34                  | 13.56                          |
| 7   | #17160.00      | 52.0 PK                       | 74.0              | -22.0          | 2.10 H                   | 122                        | 31.22                  | 20.78                          |
| 8   | #17160.00      | 39.7 AV                       | 54.0              | -14.3          | 2.10 H                   | 122                        | 18.92                  | 20.78                          |

**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   | *5720.00       | 119.2 PK                      |                   |                | 2.41 V                   | 128                        | 115.85                 | 3.35                           |
| 2   | *5720.00       | 110.0 AV                      |                   |                | 2.41 V                   | 128                        | 106.65                 | 3.35                           |
| 3   | #5880.00       | 63.4 PK                       | 74.0              | -10.6          | 2.27 V                   | 114                        | 59.88                  | 3.52                           |
| 4   | #5880.00       | 53.7 AV                       | 54.0              | -0.3           | 2.27 V                   | 114                        | 50.18                  | 3.52                           |
| 5   | 11440.00       | 51.1 PK                       | 74.0              | -22.9          | 2.46 V                   | 196                        | 37.54                  | 13.56                          |
| 6   | 11440.00       | 40.7 AV                       | 54.0              | -13.3          | 2.46 V                   | 196                        | 27.14                  | 13.56                          |
| 7   | #17160.00      | 56.0 PK                       | 74.0              | -18.0          | 2.55 V                   | 328                        | 35.22                  | 20.78                          |
| 8   | #17160.00      | 44.8 AV                       | 54.0              | -9.2           | 2.55 V                   | 328                        | 24.02                  | 20.78                          |

**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 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                                                   | 5100.00        | 60.7 PK                       | 74.0              | -13.3          | 1.02 H                   | 357                        | 58.38                  | 2.32                           |
| 2                                                   | 5100.00        | 44.2 AV                       | 54.0              | -9.8           | 1.02 H                   | 357                        | 41.88                  | 2.32                           |
| 3                                                   | *5260.00       | 114.4 PK                      |                   |                | 3.22 H                   | 325                        | 111.86                 | 2.54                           |
| 4                                                   | *5260.00       | 104.5 AV                      |                   |                | 3.22 H                   | 325                        | 101.96                 | 2.54                           |
| 5                                                   | 5420.00        | 62.1 PK                       | 74.0              | -11.9          | 1.09 H                   | 336                        | 59.37                  | 2.73                           |
| 6                                                   | 5420.00        | 44.8 AV                       | 54.0              | -9.2           | 1.09 H                   | 336                        | 42.07                  | 2.73                           |
| 7                                                   | #10520.00      | 50.5 PK                       | 74.0              | -23.5          | 1.99 H                   | 151                        | 38.10                  | 12.40                          |
| 8                                                   | #10520.00      | 38.4 AV                       | 54.0              | -15.6          | 1.99 H                   | 151                        | 26.00                  | 12.40                          |
| 9                                                   | 15780.00       | 51.8 PK                       | 74.0              | -22.2          | 2.13 H                   | 142                        | 36.98                  | 14.82                          |
| 10                                                  | 15780.00       | 39.2 AV                       | 54.0              | -14.8          | 2.13 H                   | 142                        | 24.38                  | 14.82                          |
| 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                                                   | 5100.00        | 62.1 PK                       | 74.0              | -11.9          | 2.40 V                   | 58                         | 59.78                  | 2.32                           |
| 2                                                   | 5100.00        | 52.4 AV                       | 54.0              | -1.6           | 2.40 V                   | 58                         | 50.08                  | 2.32                           |
| 3                                                   | *5260.00       | 118.9 PK                      |                   |                | 2.27 V                   | 307                        | 116.36                 | 2.54                           |
| 4                                                   | *5260.00       | 108.5 AV                      |                   |                | 2.27 V                   | 307                        | 105.96                 | 2.54                           |
| 5                                                   | 5420.00        | 63.2 PK                       | 74.0              | -10.8          | 2.31 V                   | 299                        | 60.47                  | 2.73                           |
| 6                                                   | 5420.00        | 53.4 AV                       | 54.0              | -0.6           | 2.31 V                   | 299                        | 50.67                  | 2.73                           |
| 7                                                   | #10520.00      | 50.6 PK                       | 74.0              | -23.4          | 2.45 V                   | 207                        | 38.20                  | 12.40                          |
| 8                                                   | #10520.00      | 40.4 AV                       | 54.0              | -13.6          | 2.45 V                   | 207                        | 28.00                  | 12.40                          |
| 9                                                   | 15780.00       | 55.9 PK                       | 74.0              | -18.1          | 2.53 V                   | 308                        | 41.08                  | 14.82                          |
| 10                                                  | 15780.00       | 44.8 AV                       | 54.0              | -9.2           | 2.53 V                   | 308                        | 29.98                  | 14.82                          |

## 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 60 | 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   | 5140.00        | 60.9 PK                       | 74.0              | -13.1          | 1.05 H                   | 360                        | 58.53                  | 2.37                           |
| 2   | 5140.00        | 44.2 AV                       | 54.0              | -9.8           | 1.05 H                   | 360                        | 41.83                  | 2.37                           |
| 3   | *5300.00       | 114.7 PK                      |                   |                | 3.34 H                   | 341                        | 112.09                 | 2.61                           |
| 4   | *5300.00       | 104.9 AV                      |                   |                | 3.34 H                   | 341                        | 102.29                 | 2.61                           |
| 5   | 5460.00        | 62.0 PK                       | 74.0              | -12.0          | 1.10 H                   | 341                        | 59.22                  | 2.78                           |
| 6   | 5460.00        | 44.7 AV                       | 54.0              | -9.3           | 1.10 H                   | 341                        | 41.92                  | 2.78                           |
| 7   | 10600.00       | 50.3 PK                       | 74.0              | -23.7          | 2.03 H                   | 149                        | 37.44                  | 12.86                          |
| 8   | 10600.00       | 38.3 AV                       | 54.0              | -15.7          | 2.03 H                   | 149                        | 25.44                  | 12.86                          |
| 9   | 15900.00       | 51.6 PK                       | 74.0              | -22.4          | 2.11 H                   | 135                        | 36.73                  | 14.87                          |
| 10  | 15900.00       | 39.2 AV                       | 54.0              | -14.8          | 2.11 H                   | 135                        | 24.33                  | 14.87                          |

**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   | 5140.00        | 62.5 PK                       | 74.0              | -11.5          | 2.25 V                   | 59                         | 60.13                  | 2.37                           |
| 2   | 5140.00        | 52.2 AV                       | 54.0              | -1.8           | 2.25 V                   | 59                         | 49.83                  | 2.37                           |
| 3   | *5300.00       | 119.3 PK                      |                   |                | 2.26 V                   | 301                        | 116.69                 | 2.61                           |
| 4   | *5300.00       | 108.5 AV                      |                   |                | 2.26 V                   | 301                        | 105.89                 | 2.61                           |
| 5   | 5460.00        | 63.6 PK                       | 74.0              | -10.4          | 2.36 V                   | 294                        | 60.82                  | 2.78                           |
| 6   | 5460.00        | 53.2 AV                       | 54.0              | -0.8           | 2.36 V                   | 294                        | 50.42                  | 2.78                           |
| 7   | 10600.00       | 50.7 PK                       | 74.0              | -23.3          | 2.44 V                   | 217                        | 37.84                  | 12.86                          |
| 8   | 10600.00       | 40.6 AV                       | 54.0              | -13.4          | 2.44 V                   | 217                        | 27.74                  | 12.86                          |
| 9   | 15900.00       | 56.4 PK                       | 74.0              | -17.6          | 2.48 V                   | 317                        | 41.53                  | 14.87                          |
| 10  | 15900.00       | 45.0 AV                       | 54.0              | -9.0           | 2.48 V                   | 317                        | 30.13                  | 14.87                          |

**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       | 113.6 PK                      |                   |                | 3.29 H                   | 335                        | 110.97                 | 2.63                           |
| 2   | *5320.00       | 103.1 AV                      |                   |                | 3.29 H                   | 335                        | 100.47                 | 2.63                           |
| 3   | 5350.00        | 62.9 PK                       | 74.0              | -11.1          | 1.14 H                   | 344                        | 60.25                  | 2.65                           |
| 4   | 5350.00        | 45.1 AV                       | 54.0              | -8.9           | 1.14 H                   | 344                        | 42.45                  | 2.65                           |
| 5   | #5480.00       | 51.8 PK                       | 74.0              | -22.2          | 1.18 H                   | 360                        | 49.00                  | 2.80                           |
| 6   | #5480.00       | 38.4 AV                       | 54.0              | -15.6          | 1.18 H                   | 360                        | 35.60                  | 2.80                           |
| 7   | 10640.00       | 51.1 PK                       | 74.0              | -22.9          | 2.05 H                   | 148                        | 38.22                  | 12.88                          |
| 8   | 10640.00       | 38.5 AV                       | 54.0              | -15.5          | 2.05 H                   | 148                        | 25.62                  | 12.88                          |
| 9   | 15960.00       | 51.5 PK                       | 74.0              | -22.5          | 2.17 H                   | 143                        | 36.57                  | 14.93                          |
| 10  | 15960.00       | 39.1 AV                       | 54.0              | -14.9          | 2.17 H                   | 143                        | 24.17                  | 14.93                          |

**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       | 117.1 PK                      |                   |                | 2.25 V                   | 305                        | 114.47                 | 2.63                           |
| 2   | *5320.00       | 106.4 AV                      |                   |                | 2.25 V                   | 305                        | 103.77                 | 2.63                           |
| 3   | 5350.00        | 71.9 PK                       | 74.0              | -2.1           | 2.26 V                   | 301                        | 69.25                  | 2.65                           |
| 4   | 5350.00        | 53.2 AV                       | 54.0              | -0.8           | 2.26 V                   | 301                        | 50.55                  | 2.65                           |
| 5   | #5480.00       | 62.3 PK                       | 74.0              | -11.7          | 2.28 V                   | 300                        | 59.50                  | 2.80                           |
| 6   | #5480.00       | 51.4 AV                       | 54.0              | -2.6           | 2.28 V                   | 300                        | 48.60                  | 2.80                           |
| 7   | 10640.00       | 52.5 PK                       | 74.0              | -21.5          | 2.41 V                   | 198                        | 39.62                  | 12.88                          |
| 8   | 10640.00       | 39.3 AV                       | 54.0              | -14.7          | 2.41 V                   | 198                        | 26.42                  | 12.88                          |
| 9   | 15960.00       | 55.6 PK                       | 74.0              | -18.4          | 2.49 V                   | 312                        | 40.67                  | 14.93                          |
| 10  | 15960.00       | 42.9 AV                       | 54.0              | -11.1          | 2.49 V                   | 312                        | 27.97                  | 14.93                          |

**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 100 | 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   | #5470.00       | 59.6 PK                       | 74.0              | -14.4          | 1.04 H                   | 360                        | 56.81                  | 2.79                           |
| 2   | #5470.00       | 43.2 AV                       | 54.0              | -10.8          | 1.04 H                   | 360                        | 40.41                  | 2.79                           |
| 3   | *5500.00       | 114.1 PK                      |                   |                | 3.24 H                   | 338                        | 111.27                 | 2.83                           |
| 4   | *5500.00       | 103.5 AV                      |                   |                | 3.24 H                   | 338                        | 100.67                 | 2.83                           |
| 5   | #5730.00       | 62.5 PK                       | 74.0              | -11.5          | 1.17 H                   | 335                        | 59.15                  | 3.35                           |
| 6   | #5730.00       | 44.8 AV                       | 54.0              | -9.2           | 1.17 H                   | 335                        | 41.45                  | 3.35                           |
| 7   | 11000.00       | 51.1 PK                       | 74.0              | -22.9          | 2.03 H                   | 153                        | 37.46                  | 13.64                          |
| 8   | 11000.00       | 38.6 AV                       | 54.0              | -15.4          | 2.03 H                   | 153                        | 24.96                  | 13.64                          |
| 9   | #16500.00      | 51.5 PK                       | 74.0              | -22.5          | 2.14 H                   | 124                        | 32.86                  | 18.64                          |
| 10  | #16500.00      | 39.0 AV                       | 54.0              | -15.0          | 2.14 H                   | 124                        | 20.36                  | 18.64                          |

**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       | 72.7 PK                       | 74.0              | -1.3           | 1.04 V                   | 62                         | 69.91                  | 2.79                           |
| 2   | #5470.00       | 52.9 AV                       | 54.0              | -1.1           | 1.04 V                   | 62                         | 50.11                  | 2.79                           |
| 3   | *5500.00       | 116.8 PK                      |                   |                | 2.21 V                   | 302                        | 113.97                 | 2.83                           |
| 4   | *5500.00       | 106.5 AV                      |                   |                | 2.21 V                   | 302                        | 103.67                 | 2.83                           |
| 5   | #5730.00       | 64.7 PK                       | 74.0              | -9.3           | 2.21 V                   | 61                         | 61.35                  | 3.35                           |
| 6   | #5730.00       | 53.6 AV                       | 54.0              | -0.4           | 2.21 V                   | 61                         | 50.25                  | 3.35                           |
| 7   | 11000.00       | 51.9 PK                       | 74.0              | -22.1          | 2.48 V                   | 195                        | 38.26                  | 13.64                          |
| 8   | 11000.00       | 39.1 AV                       | 54.0              | -14.9          | 2.48 V                   | 195                        | 25.46                  | 13.64                          |
| 9   | #16500.00      | 55.4 PK                       | 74.0              | -18.6          | 2.54 V                   | 329                        | 36.76                  | 18.64                          |
| 10  | #16500.00      | 43.1 AV                       | 54.0              | -10.9          | 2.54 V                   | 329                        | 24.46                  | 18.64                          |

**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   | 5420.00        | 62.5 PK                       | 74.0              | -11.5          | 1.17 H                   | 352                        | 59.77                  | 2.73                           |
| 2   | 5420.00        | 44.9 AV                       | 54.0              | -9.1           | 1.17 H                   | 352                        | 42.17                  | 2.73                           |
| 3   | *5580.00       | 111.8 PK                      |                   |                | 3.28 H                   | 336                        | 108.74                 | 3.06                           |
| 4   | *5580.00       | 102.1 AV                      |                   |                | 3.28 H                   | 336                        | 99.04                  | 3.06                           |
| 5   | #5740.00       | 60.4 PK                       | 74.0              | -13.6          | 1.08 H                   | 360                        | 57.03                  | 3.37                           |
| 6   | #5740.00       | 43.7 AV                       | 54.0              | -10.3          | 1.08 H                   | 360                        | 40.33                  | 3.37                           |
| 7   | 11160.00       | 51.1 PK                       | 74.0              | -22.9          | 2.00 H                   | 132                        | 37.48                  | 13.62                          |
| 8   | 11160.00       | 38.6 AV                       | 54.0              | -15.4          | 2.00 H                   | 132                        | 24.98                  | 13.62                          |
| 9   | #16740.00      | 52.4 PK                       | 74.0              | -21.6          | 2.09 H                   | 133                        | 32.81                  | 19.59                          |
| 10  | #16740.00      | 39.7 AV                       | 54.0              | -14.3          | 2.09 H                   | 133                        | 20.11                  | 19.59                          |

**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   | 5420.00        | 62.9 PK                       | 74.0              | -11.1          | 1.00 V                   | 61                         | 60.17                  | 2.73                           |
| 2   | 5420.00        | 53.8 AV                       | 54.0              | -0.2           | 1.00 V                   | 61                         | 51.07                  | 2.73                           |
| 3   | *5580.00       | 115.3 PK                      |                   |                | 1.02 V                   | 324                        | 112.24                 | 3.06                           |
| 4   | *5580.00       | 105.2 AV                      |                   |                | 1.02 V                   | 324                        | 102.14                 | 3.06                           |
| 5   | #5740.00       | 61.5 PK                       | 74.0              | -12.5          | 1.00 V                   | 62                         | 58.13                  | 3.37                           |
| 6   | #5740.00       | 52.9 AV                       | 54.0              | -1.1           | 1.00 V                   | 62                         | 49.53                  | 3.37                           |
| 7   | 11160.00       | 51.8 PK                       | 74.0              | -22.2          | 2.48 V                   | 197                        | 38.18                  | 13.62                          |
| 8   | 11160.00       | 39.1 AV                       | 54.0              | -14.9          | 2.48 V                   | 197                        | 25.48                  | 13.62                          |
| 9   | #16740.00      | 55.3 PK                       | 74.0              | -18.7          | 2.45 V                   | 309                        | 35.71                  | 19.59                          |
| 10  | #16740.00      | 42.8 AV                       | 54.0              | -11.2          | 2.45 V                   | 309                        | 23.21                  | 19.59                          |

**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   | 5460.00        | 62.3 PK                       | 74.0              | -11.7          | 1.08 H                   | 333                        | 59.52                  | 2.78                           |
| 2   | 5460.00        | 44.9 AV                       | 54.0              | -9.1           | 1.08 H                   | 333                        | 42.12                  | 2.78                           |
| 3   | *5700.00       | 111.7 PK                      |                   |                | 3.27 H                   | 326                        | 108.38                 | 3.32                           |
| 4   | *5700.00       | 101.8 AV                      |                   |                | 3.27 H                   | 326                        | 98.48                  | 3.32                           |
| 5   | #5725.00       | 59.7 PK                       | 74.0              | -14.3          | 1.04 H                   | 360                        | 56.34                  | 3.36                           |
| 6   | #5725.00       | 43.3 AV                       | 54.0              | -10.7          | 1.04 H                   | 360                        | 39.94                  | 3.36                           |
| 7   | 11400.00       | 50.2 PK                       | 74.0              | -23.8          | 2.04 H                   | 134                        | 36.59                  | 13.61                          |
| 8   | 11400.00       | 38.1 AV                       | 54.0              | -15.9          | 2.04 H                   | 134                        | 24.49                  | 13.61                          |
| 9   | #17100.00      | 51.6 PK                       | 74.0              | -22.4          | 2.19 H                   | 113                        | 30.70                  | 20.90                          |
| 10  | #17100.00      | 39.2 AV                       | 54.0              | -14.8          | 2.19 H                   | 113                        | 18.30                  | 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   | 5460.00        | 63.9 PK                       | 74.0              | -10.1          | 1.02 V                   | 59                         | 61.12                  | 2.78                           |
| 2   | 5460.00        | 53.3 AV                       | 54.0              | -0.7           | 1.02 V                   | 59                         | 50.52                  | 2.78                           |
| 3   | *5700.00       | 115.6 PK                      |                   |                | 1.01 V                   | 62                         | 112.28                 | 3.32                           |
| 4   | *5700.00       | 104.6 AV                      |                   |                | 1.01 V                   | 62                         | 101.28                 | 3.32                           |
| 5   | #5725.00       | 68.8 PK                       | 74.0              | -5.2           | 1.20 V                   | 34                         | 65.44                  | 3.36                           |
| 6   | #5725.00       | 53.2 AV                       | 54.0              | -0.8           | 1.20 V                   | 34                         | 49.84                  | 3.36                           |
| 7   | 11400.00       | 51.6 PK                       | 74.0              | -22.4          | 2.26 V                   | 169                        | 37.99                  | 13.61                          |
| 8   | 11400.00       | 38.5 AV                       | 54.0              | -15.5          | 2.26 V                   | 169                        | 24.89                  | 13.61                          |
| 9   | #17100.00      | 53.7 PK                       | 74.0              | -20.3          | 2.44 V                   | 309                        | 32.80                  | 20.90                          |
| 10  | #17100.00      | 41.8 AV                       | 54.0              | -12.2          | 2.44 V                   | 309                        | 20.90                  | 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 144 | <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                                                   | *5720.00       | 116.9 PK                      |                   |                | 3.28 H                   | 320                        | 113.55                 | 3.35                           |
| 2                                                   | *5720.00       | 106.4 AV                      |                   |                | 3.28 H                   | 320                        | 103.05                 | 3.35                           |
| 3                                                   | #5880.00       | 59.6 PK                       | 68.2              | -8.6           | 1.03 H                   | 328                        | 56.08                  | 3.52                           |
| 4                                                   | 11440.00       | 50.7 PK                       | 74.0              | -23.3          | 2.02 H                   | 141                        | 37.14                  | 13.56                          |
| 5                                                   | 11440.00       | 38.4 AV                       | 54.0              | -15.6          | 2.02 H                   | 141                        | 24.84                  | 13.56                          |
| 6                                                   | #17160.00      | 51.9 PK                       | 68.2              | -16.3          | 2.12 H                   | 125                        | 31.12                  | 20.78                          |
| 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                                                   | *5720.00       | 119.6 PK                      |                   |                | 1.06 V                   | 120                        | 116.25                 | 3.35                           |
| 2                                                   | *5720.00       | 109.4 AV                      |                   |                | 1.06 V                   | 120                        | 106.05                 | 3.35                           |
| 3                                                   | #5880.00       | 66.0 PK                       | 68.2              | -2.2           | 1.15 V                   | 240                        | 62.48                  | 3.52                           |
| 4                                                   | 11440.00       | 50.9 PK                       | 74.0              | -23.1          | 2.43 V                   | 233                        | 37.34                  | 13.56                          |
| 5                                                   | 11440.00       | 40.2 AV                       | 54.0              | -13.8          | 2.43 V                   | 233                        | 26.64                  | 13.56                          |
| 6                                                   | #17160.00      | 55.9 PK                       | 68.2              | -12.3          | 2.51 V                   | 333                        | 35.12                  | 20.78                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 54 | 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                                                   | 5110.00        | 60.1 PK                       | 74.0              | -13.9          | 1.06 H                   | 360                        | 57.78                  | 2.32                           |
| 2                                                   | 5110.00        | 43.7 AV                       | 54.0              | -10.3          | 1.06 H                   | 360                        | 41.38                  | 2.32                           |
| 3                                                   | *5270.00       | 111.4 PK                      |                   |                | 3.34 H                   | 349                        | 108.84                 | 2.56                           |
| 4                                                   | *5270.00       | 101.8 AV                      |                   |                | 3.34 H                   | 349                        | 99.24                  | 2.56                           |
| 5                                                   | 5350.00        | 62.9 PK                       | 74.0              | -11.1          | 1.07 H                   | 337                        | 60.25                  | 2.65                           |
| 6                                                   | 5350.00        | 45.2 AV                       | 54.0              | -8.8           | 1.07 H                   | 337                        | 42.55                  | 2.65                           |
| 7                                                   | #5855.00       | 52.2 PK                       | 74.0              | -21.8          | 1.20 H                   | 360                        | 48.71                  | 3.49                           |
| 8                                                   | #5855.00       | 38.8 AV                       | 54.0              | -15.2          | 1.20 H                   | 360                        | 35.31                  | 3.49                           |
| 9                                                   | #10540.00      | 50.7 PK                       | 74.0              | -23.3          | 1.95 H                   | 123                        | 38.18                  | 12.52                          |
| 10                                                  | #10540.00      | 38.3 AV                       | 54.0              | -15.7          | 1.95 H                   | 123                        | 25.78                  | 12.52                          |
| 11                                                  | 15810.00       | 52.0 PK                       | 74.0              | -22.0          | 2.18 H                   | 121                        | 37.24                  | 14.76                          |
| 12                                                  | 15810.00       | 39.6 AV                       | 54.0              | -14.4          | 2.18 H                   | 121                        | 24.84                  | 14.76                          |
| 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                                                   | 5110.00        | 61.2 PK                       | 74.0              | -12.8          | 1.02 V                   | 118                        | 58.88                  | 2.32                           |
| 2                                                   | 5110.00        | 51.1 AV                       | 54.0              | -2.9           | 1.02 V                   | 118                        | 48.78                  | 2.32                           |
| 3                                                   | *5270.00       | 115.8 PK                      |                   |                | 1.01 V                   | 126                        | 113.24                 | 2.56                           |
| 4                                                   | *5270.00       | 105.5 AV                      |                   |                | 1.01 V                   | 126                        | 102.94                 | 2.56                           |
| 5                                                   | 5350.00        | 60.3 PK                       | 74.0              | -13.7          | 1.02 V                   | 117                        | 57.65                  | 2.65                           |
| 6                                                   | 5350.00        | 53.3 AV                       | 54.0              | -0.7           | 1.02 V                   | 117                        | 50.65                  | 2.65                           |
| 7                                                   | #5855.00       | 56.7 PK                       | 74.0              | -17.3          | 1.02 V                   | 119                        | 53.21                  | 3.49                           |
| 8                                                   | #5855.00       | 50.4 AV                       | 54.0              | -3.6           | 1.02 V                   | 119                        | 46.91                  | 3.49                           |
| 9                                                   | #10540.00      | 50.3 PK                       | 74.0              | -23.7          | 2.33 V                   | 151                        | 37.78                  | 12.52                          |
| 10                                                  | #10540.00      | 37.7 AV                       | 54.0              | -16.3          | 2.33 V                   | 151                        | 25.18                  | 12.52                          |
| 11                                                  | 15810.00       | 51.3 PK                       | 74.0              | -22.7          | 2.46 V                   | 278                        | 36.54                  | 14.76                          |
| 12                                                  | 15810.00       | 39.0 AV                       | 54.0              | -15.0          | 2.46 V                   | 278                        | 24.24                  | 14.76                          |

## 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       | 107.3 PK                      |                   |                | 3.33 H                   | 332                        | 104.69                 | 2.61                           |
| 2   | *5310.00       | 96.3 AV                       |                   |                | 3.33 H                   | 332                        | 93.69                  | 2.61                           |
| 3   | 5350.00        | 62.8 PK                       | 74.0              | -11.2          | 1.09 H                   | 336                        | 60.15                  | 2.65                           |
| 4   | 5350.00        | 45.1 AV                       | 54.0              | -8.9           | 1.09 H                   | 336                        | 42.45                  | 2.65                           |
| 5   | 10620.00       | 50.9 PK                       | 74.0              | -23.1          | 2.02 H                   | 124                        | 38.02                  | 12.88                          |
| 6   | 10620.00       | 38.4 AV                       | 54.0              | -15.6          | 2.02 H                   | 124                        | 25.52                  | 12.88                          |
| 7   | 15930.00       | 52.2 PK                       | 74.0              | -21.8          | 2.12 H                   | 118                        | 37.30                  | 14.90                          |
| 8   | 15930.00       | 39.4 AV                       | 54.0              | -14.6          | 2.12 H                   | 118                        | 24.50                  | 14.90                          |

**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   | *5310.00       | 110.9 PK                      |                   |                | 1.00 V                   | 133                        | 108.29                 | 2.61                           |
| 2   | *5310.00       | 100.2 AV                      |                   |                | 1.00 V                   | 133                        | 97.59                  | 2.61                           |
| 3   | 5350.00        | 67.2 PK                       | 74.0              | -6.8           | 1.00 V                   | 127                        | 64.55                  | 2.65                           |
| 4   | 5350.00        | 53.3 AV                       | 54.0              | -0.7           | 1.00 V                   | 127                        | 50.65                  | 2.65                           |
| 5   | 10620.00       | 49.5 PK                       | 74.0              | -24.5          | 2.34 V                   | 177                        | 36.62                  | 12.88                          |
| 6   | 10620.00       | 37.7 AV                       | 54.0              | -16.3          | 2.34 V                   | 177                        | 24.82                  | 12.88                          |
| 7   | 15930.00       | 52.0 PK                       | 74.0              | -22.0          | 2.50 V                   | 279                        | 37.10                  | 14.90                          |
| 8   | 15930.00       | 39.7 AV                       | 54.0              | -14.3          | 2.50 V                   | 279                        | 24.80                  | 14.90                          |

**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.



|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <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       | 61.9 PK                       | 74.0              | -12.1          | 1.16 H                   | 345                        | 59.11                  | 2.79                           |
| 2   | #5470.00       | 44.3 AV                       | 54.0              | -9.7           | 1.16 H                   | 345                        | 41.51                  | 2.79                           |
| 3   | *5510.00       | 109.6 PK                      |                   |                | 3.29 H                   | 324                        | 106.75                 | 2.85                           |
| 4   | *5510.00       | 99.2 AV                       |                   |                | 3.29 H                   | 324                        | 96.35                  | 2.85                           |
| 5   | #5750.00       | 51.8 PK                       | 74.0              | -22.2          | 1.21 H                   | 348                        | 48.42                  | 3.38                           |
| 6   | #5750.00       | 38.5 AV                       | 54.0              | -15.5          | 1.21 H                   | 348                        | 35.12                  | 3.38                           |
| 7   | 11020.00       | 51.3 PK                       | 74.0              | -22.7          | 1.96 H                   | 131                        | 37.66                  | 13.64                          |
| 8   | 11020.00       | 38.8 AV                       | 54.0              | -15.2          | 1.96 H                   | 131                        | 25.16                  | 13.64                          |
| 9   | #16530.00      | 52.2 PK                       | 74.0              | -21.8          | 2.12 H                   | 136                        | 33.38                  | 18.82                          |
| 10  | #16530.00      | 39.8 AV                       | 54.0              | -14.2          | 2.12 H                   | 136                        | 20.98                  | 18.82                          |

**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       | 72.1 PK                       | 74.0              | -1.9           | 1.89 V                   | 130                        | 69.31                  | 2.79                           |
| 2   | #5470.00       | 53.2 AV                       | 54.0              | -0.8           | 1.89 V                   | 130                        | 50.41                  | 2.79                           |
| 3   | *5510.00       | 113.4 PK                      |                   |                | 1.06 V                   | 240                        | 110.55                 | 2.85                           |
| 4   | *5510.00       | 102.1 AV                      |                   |                | 1.06 V                   | 240                        | 99.25                  | 2.85                           |
| 5   | #5750.00       | 58.2 PK                       | 74.0              | -15.8          | 2.05 V                   | 125                        | 54.82                  | 3.38                           |
| 6   | #5750.00       | 47.2 AV                       | 54.0              | -6.8           | 2.05 V                   | 125                        | 43.82                  | 3.38                           |
| 7   | 11020.00       | 50.2 PK                       | 74.0              | -23.8          | 2.29 V                   | 164                        | 36.56                  | 13.64                          |
| 8   | 11020.00       | 38.1 AV                       | 54.0              | -15.9          | 2.29 V                   | 164                        | 24.46                  | 13.64                          |
| 9   | #16530.00      | 52.2 PK                       | 74.0              | -21.8          | 2.45 V                   | 274                        | 33.38                  | 18.82                          |
| 10  | #16530.00      | 39.9 AV                       | 54.0              | -14.1          | 2.45 V                   | 274                        | 21.08                  | 18.82                          |

**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 110 | 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   | 5390.00        | 61.9 PK                       | 74.0              | -12.1          | 1.09 H                   | 350                        | 59.20                  | 2.70                           |
| 2   | 5390.00        | 44.6 AV                       | 54.0              | -9.4           | 1.09 H                   | 350                        | 41.90                  | 2.70                           |
| 3   | *5550.00       | 111.6 PK                      |                   |                | 3.28 H                   | 347                        | 108.62                 | 2.98                           |
| 4   | *5550.00       | 102.0 AV                      |                   |                | 3.28 H                   | 347                        | 99.02                  | 2.98                           |
| 5   | #5725.00       | 60.3 PK                       | 74.0              | -13.7          | 1.05 H                   | 356                        | 56.94                  | 3.36                           |
| 6   | #5725.00       | 43.7 AV                       | 54.0              | -10.3          | 1.05 H                   | 356                        | 40.34                  | 3.36                           |
| 7   | 11100.00       | 50.4 PK                       | 74.0              | -23.6          | 1.98 H                   | 150                        | 36.78                  | 13.62                          |
| 8   | 11100.00       | 38.3 AV                       | 54.0              | -15.7          | 1.98 H                   | 150                        | 24.68                  | 13.62                          |
| 9   | #16650.00      | 52.1 PK                       | 74.0              | -21.9          | 2.10 H                   | 117                        | 32.71                  | 19.39                          |
| 10  | #16650.00      | 39.4 AV                       | 54.0              | -14.6          | 2.10 H                   | 117                        | 20.01                  | 19.39                          |

**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   | 5390.00        | 64.5 PK                       | 74.0              | -9.5           | 1.02 V                   | 241                        | 61.80                  | 2.70                           |
| 2   | 5390.00        | 53.5 AV                       | 54.0              | -0.5           | 1.02 V                   | 241                        | 50.80                  | 2.70                           |
| 3   | *5550.00       | 115.8 PK                      |                   |                | 1.07 V                   | 116                        | 112.82                 | 2.98                           |
| 4   | *5550.00       | 104.9 AV                      |                   |                | 1.07 V                   | 116                        | 101.92                 | 2.98                           |
| 5   | #5725.00       | 62.7 PK                       | 74.0              | -11.3          | 1.08 V                   | 242                        | 59.34                  | 3.36                           |
| 6   | #5725.00       | 52.8 AV                       | 54.0              | -1.2           | 1.08 V                   | 242                        | 49.44                  | 3.36                           |
| 7   | 11100.00       | 49.8 PK                       | 74.0              | -24.2          | 2.31 V                   | 176                        | 36.18                  | 13.62                          |
| 8   | 11100.00       | 37.8 AV                       | 54.0              | -16.2          | 2.31 V                   | 176                        | 24.18                  | 13.62                          |
| 9   | #16650.00      | 51.8 PK                       | 74.0              | -22.2          | 2.48 V                   | 272                        | 32.41                  | 19.39                          |
| 10  | #16650.00      | 39.2 AV                       | 54.0              | -14.8          | 2.48 V                   | 272                        | 19.81                  | 19.39                          |

**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 134 | 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   | 5430.00        | 51.9 PK                       | 74.0              | -22.1          | 1.19 H                   | 360                        | 49.16                  | 2.74                           |
| 2   | 5430.00        | 39.0 AV                       | 54.0              | -15.0          | 1.19 H                   | 360                        | 36.26                  | 2.74                           |
| 3   | *5670.00       | 108.4 PK                      |                   |                | 3.33 H                   | 340                        | 105.14                 | 3.26                           |
| 4   | *5670.00       | 98.3 AV                       |                   |                | 3.33 H                   | 340                        | 95.04                  | 3.26                           |
| 5   | #5725.00       | 62.2 PK                       | 74.0              | -11.8          | 1.13 H                   | 350                        | 58.84                  | 3.36                           |
| 6   | #5725.00       | 45.0 AV                       | 54.0              | -9.0           | 1.13 H                   | 350                        | 41.64                  | 3.36                           |
| 7   | 11340.00       | 50.3 PK                       | 74.0              | -23.7          | 2.04 H                   | 153                        | 36.60                  | 13.70                          |
| 8   | 11340.00       | 38.2 AV                       | 54.0              | -15.8          | 2.04 H                   | 153                        | 24.50                  | 13.70                          |
| 9   | #17010.00      | 51.6 PK                       | 74.0              | -22.4          | 2.14 H                   | 118                        | 30.83                  | 20.77                          |
| 10  | #17010.00      | 39.4 AV                       | 54.0              | -14.6          | 2.14 H                   | 118                        | 18.63                  | 20.77                          |

**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   | 5430.00        | 59.3 PK                       | 74.0              | -14.7          | 1.20 V                   | 236                        | 56.56                  | 2.74                           |
| 2   | 5430.00        | 49.1 AV                       | 54.0              | -4.9           | 1.20 V                   | 236                        | 46.36                  | 2.74                           |
| 3   | *5670.00       | 114.2 PK                      |                   |                | 1.09 V                   | 244                        | 110.94                 | 3.26                           |
| 4   | *5670.00       | 102.5 AV                      |                   |                | 1.09 V                   | 244                        | 99.24                  | 3.26                           |
| 5   | #5725.00       | 71.6 PK                       | 74.0              | -2.4           | 1.07 V                   | 241                        | 68.24                  | 3.36                           |
| 6   | #5725.00       | 53.7 AV                       | 54.0              | -0.3           | 1.07 V                   | 241                        | 50.34                  | 3.36                           |
| 7   | 11340.00       | 50.5 PK                       | 74.0              | -23.5          | 2.32 V                   | 177                        | 36.80                  | 13.70                          |
| 8   | 11340.00       | 37.4 AV                       | 54.0              | -16.6          | 2.32 V                   | 177                        | 23.70                  | 13.70                          |
| 9   | #17010.00      | 51.5 PK                       | 74.0              | -22.5          | 2.52 V                   | 274                        | 30.73                  | 20.77                          |
| 10  | #17010.00      | 39.5 AV                       | 54.0              | -14.5          | 2.52 V                   | 274                        | 18.73                  | 20.77                          |

**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 142 | <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   | 5460.00        | 60.2 PK                       | 74.0              | -13.8          | 1.00 H                   | 354                        | 57.42                  | 2.78                           |
| 2   | 5460.00        | 43.4 AV                       | 54.0              | -10.6          | 1.00 H                   | 354                        | 40.62                  | 2.78                           |
| 3   | *5710.00       | 113.3 PK                      |                   |                | 3.34 H                   | 334                        | 109.96                 | 3.34                           |
| 4   | *5710.00       | 102.5 AV                      |                   |                | 3.34 H                   | 334                        | 99.16                  | 3.34                           |
| 5   | #5870.00       | 62.6 PK                       | 74.0              | -11.4          | 1.16 H                   | 330                        | 59.09                  | 3.51                           |
| 6   | #5870.00       | 45.0 AV                       | 54.0              | -9.0           | 1.16 H                   | 330                        | 41.49                  | 3.51                           |
| 7   | 11420.00       | 50.6 PK                       | 74.0              | -23.4          | 2.04 H                   | 138                        | 37.01                  | 13.59                          |
| 8   | 11420.00       | 38.4 AV                       | 54.0              | -15.6          | 2.04 H                   | 138                        | 24.81                  | 13.59                          |
| 9   | #17130.00      | 51.6 PK                       | 74.0              | -22.4          | 2.15 H                   | 117                        | 30.77                  | 20.83                          |
| 10  | #17130.00      | 39.0 AV                       | 54.0              | -15.0          | 2.15 H                   | 117                        | 18.17                  | 20.83                          |

**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   | 5460.00        | 62.3 PK                       | 74.0              | -11.7          | 1.03 V                   | 243                        | 59.52                  | 2.78                           |
| 2   | 5460.00        | 52.9 AV                       | 54.0              | -1.1           | 1.03 V                   | 243                        | 50.12                  | 2.78                           |
| 3   | *5710.00       | 116.7 PK                      |                   |                | 1.03 V                   | 116                        | 113.36                 | 3.34                           |
| 4   | *5710.00       | 105.7 AV                      |                   |                | 1.03 V                   | 116                        | 102.36                 | 3.34                           |
| 5   | #5870.00       | 64.3 PK                       | 74.0              | -9.7           | 1.00 V                   | 119                        | 60.79                  | 3.51                           |
| 6   | #5870.00       | 53.9 AV                       | 54.0              | -0.1           | 1.00 V                   | 119                        | 50.39                  | 3.51                           |
| 7   | 11420.00       | 50.2 PK                       | 74.0              | -23.8          | 2.37 V                   | 190                        | 36.61                  | 13.59                          |
| 8   | 11420.00       | 37.7 AV                       | 54.0              | -16.3          | 2.37 V                   | 190                        | 24.11                  | 13.59                          |
| 9   | #17130.00      | 52.2 PK                       | 74.0              | -21.8          | 2.52 V                   | 267                        | 31.37                  | 20.83                          |
| 10  | #17130.00      | 39.7 AV                       | 54.0              | -14.3          | 2.52 V                   | 267                        | 18.87                  | 20.83                          |

**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.

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|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <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                                                   | 5150.00        | 52.1 PK                       | 74.0              | -21.9          | 1.20 H                   | 353                        | 49.73                  | 2.37                           |
| 2                                                   | 5150.00        | 35.7 AV                       | 54.0              | -18.3          | 1.20 H                   | 353                        | 33.33                  | 2.37                           |
| 3                                                   | *5290.00       | 102.3 PK                      |                   |                | 3.22 H                   | 339                        | 99.71                  | 2.59                           |
| 4                                                   | *5290.00       | 91.2 AV                       |                   |                | 3.22 H                   | 339                        | 88.61                  | 2.59                           |
| 5                                                   | 5350.00        | 62.9 PK                       | 74.0              | -11.1          | 1.18 H                   | 358                        | 60.25                  | 2.65                           |
| 6                                                   | 5350.00        | 45.1 AV                       | 54.0              | -8.9           | 1.18 H                   | 358                        | 42.45                  | 2.65                           |
| 7                                                   | #10580.00      | 50.9 PK                       | 74.0              | -23.1          | 2.06 H                   | 125                        | 38.15                  | 12.75                          |
| 8                                                   | #10580.00      | 38.4 AV                       | 54.0              | -15.6          | 2.06 H                   | 125                        | 25.65                  | 12.75                          |
| 9                                                   | 15870.00       | 51.5 PK                       | 74.0              | -22.5          | 2.08 H                   | 131                        | 36.67                  | 14.83                          |
| 10                                                  | 15870.00       | 39.1 AV                       | 54.0              | -14.9          | 2.08 H                   | 131                        | 24.27                  | 14.83                          |

| 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        | 57.4 PK                       | 74.0              | -16.6          | 2.52 V                   | 260                        | 55.03                  | 2.37                           |
| 2                                                 | 5150.00        | 43.2 AV                       | 54.0              | -10.8          | 2.52 V                   | 260                        | 40.83                  | 2.37                           |
| 3                                                 | *5290.00       | 105.9 PK                      |                   |                | 1.05 V                   | 135                        | 103.31                 | 2.59                           |
| 4                                                 | *5290.00       | 94.5 AV                       |                   |                | 1.05 V                   | 135                        | 91.91                  | 2.59                           |
| 5                                                 | 5350.00        | 64.0 PK                       | 74.0              | -10.0          | 1.07 V                   | 131                        | 61.35                  | 2.65                           |
| 6                                                 | 5350.00        | 53.1 AV                       | 54.0              | -0.9           | 1.07 V                   | 131                        | 50.45                  | 2.65                           |
| 7                                                 | #10580.00      | 50.2 PK                       | 74.0              | -23.8          | 2.37 V                   | 162                        | 37.45                  | 12.75                          |
| 8                                                 | #10580.00      | 37.8 AV                       | 54.0              | -16.2          | 2.37 V                   | 162                        | 25.05                  | 12.75                          |
| 9                                                 | 15870.00       | 51.9 PK                       | 74.0              | -22.1          | 2.55 V                   | 274                        | 37.07                  | 14.83                          |
| 10                                                | 15870.00       | 39.4 AV                       | 54.0              | -14.6          | 2.55 V                   | 274                        | 24.57                  | 14.83                          |

## 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       | 62.1 PK                       | 74.0              | -11.9          | 1.17 H                   | 328                        | 59.31                  | 2.79                           |
| 2   | #5470.00       | 44.6 AV                       | 54.0              | -9.4           | 1.17 H                   | 328                        | 41.81                  | 2.79                           |
| 3   | *5530.00       | 105.8 PK                      |                   |                | 3.32 H                   | 338                        | 102.88                 | 2.92                           |
| 4   | *5530.00       | 92.5 AV                       |                   |                | 3.32 H                   | 338                        | 89.58                  | 2.92                           |
| 5   | 11060.00       | 50.0 PK                       | 74.0              | -24.0          | 1.97 H                   | 130                        | 36.37                  | 13.63                          |
| 6   | 11060.00       | 37.9 AV                       | 54.0              | -16.1          | 1.97 H                   | 130                        | 24.27                  | 13.63                          |
| 7   | #16590.00      | 52.2 PK                       | 74.0              | -21.8          | 2.18 H                   | 120                        | 33.02                  | 19.18                          |
| 8   | #16590.00      | 39.5 AV                       | 54.0              | -14.5          | 2.18 H                   | 120                        | 20.32                  | 19.18                          |

**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       | 69.6 PK                       | 74.0              | -4.4           | 1.00 V                   | 241                        | 66.81                  | 2.79                           |
| 2   | #5470.00       | 53.5 AV                       | 54.0              | -0.5           | 1.00 V                   | 241                        | 50.71                  | 2.79                           |
| 3   | *5530.00       | 109.0 PK                      |                   |                | 1.14 V                   | 244                        | 106.08                 | 2.92                           |
| 4   | *5530.00       | 96.1 AV                       |                   |                | 1.14 V                   | 244                        | 93.18                  | 2.92                           |
| 5   | 11060.00       | 50.7 PK                       | 74.0              | -23.3          | 2.34 V                   | 190                        | 37.07                  | 13.63                          |
| 6   | 11060.00       | 38.5 AV                       | 54.0              | -15.5          | 2.34 V                   | 190                        | 24.87                  | 13.63                          |
| 7   | #16590.00      | 51.3 PK                       | 74.0              | -22.7          | 2.51 V                   | 272                        | 32.12                  | 19.18                          |
| 8   | #16590.00      | 39.3 AV                       | 54.0              | -14.7          | 2.51 V                   | 272                        | 20.12                  | 19.18                          |

**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 122 | <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       | 51.7 PK                       | 74.0              | -22.3          | 1.23 H                   | 354                        | 48.91                  | 2.79                           |
| 2   | #5470.00       | 38.5 AV                       | 54.0              | -15.5          | 1.23 H                   | 354                        | 35.71                  | 2.79                           |
| 3   | *5610.00       | 107.9 PK                      |                   |                | 3.25 H                   | 339                        | 104.75                 | 3.15                           |
| 4   | *5610.00       | 95.1 AV                       |                   |                | 3.25 H                   | 339                        | 91.95                  | 3.15                           |
| 5   | #5725.00       | 62.8 PK                       | 74.0              | -11.2          | 1.17 H                   | 349                        | 59.44                  | 3.36                           |
| 6   | #5725.00       | 45.2 AV                       | 54.0              | -8.8           | 1.17 H                   | 349                        | 41.84                  | 3.36                           |
| 7   | 11220.00       | 51.1 PK                       | 74.0              | -22.9          | 1.99 H                   | 123                        | 37.46                  | 13.64                          |
| 8   | 11220.00       | 38.6 AV                       | 54.0              | -15.4          | 1.99 H                   | 123                        | 24.96                  | 13.64                          |
| 9   | #16830.00      | 51.9 PK                       | 74.0              | -22.1          | 2.08 H                   | 139                        | 32.05                  | 19.85                          |
| 10  | #16830.00      | 39.6 AV                       | 54.0              | -14.4          | 2.08 H                   | 139                        | 19.75                  | 19.85                          |

**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       | 66.5 PK                       | 74.0              | -7.5           | 1.00 V                   | 244                        | 63.71                  | 2.79                           |
| 2   | #5470.00       | 50.0 AV                       | 54.0              | -4.0           | 1.00 V                   | 244                        | 47.21                  | 2.79                           |
| 3   | *5610.00       | 111.8 PK                      |                   |                | 1.07 V                   | 244                        | 108.65                 | 3.15                           |
| 4   | *5610.00       | 98.5 AV                       |                   |                | 1.07 V                   | 244                        | 95.35                  | 3.15                           |
| 5   | #5725.00       | 67.8 PK                       | 74.0              | -6.2           | 1.08 V                   | 243                        | 64.44                  | 3.36                           |
| 6   | #5725.00       | 53.1 AV                       | 54.0              | -0.9           | 1.08 V                   | 243                        | 49.74                  | 3.36                           |
| 7   | 11220.00       | 51.0 PK                       | 74.0              | -23.0          | 2.32 V                   | 169                        | 37.36                  | 13.64                          |
| 8   | 11220.00       | 38.4 AV                       | 54.0              | -15.6          | 2.32 V                   | 169                        | 24.76                  | 13.64                          |
| 9   | #16830.00      | 52.2 PK                       | 74.0              | -21.8          | 2.52 V                   | 293                        | 32.35                  | 19.85                          |
| 10  | #16830.00      | 40.0 AV                       | 54.0              | -14.0          | 2.52 V                   | 293                        | 20.15                  | 19.85                          |

**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 138 | 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   | #5470.00       | 52.1 PK                       | 74.0              | -21.9          | 1.19 H                   | 360                        | 49.31                  | 2.79                           |
| 2   | #5470.00       | 38.7 AV                       | 54.0              | -15.3          | 1.19 H                   | 360                        | 35.91                  | 2.79                           |
| 3   | *5690.00       | 108.5 PK                      |                   |                | 3.23 H                   | 347                        | 105.20                 | 3.30                           |
| 4   | *5690.00       | 98.3 AV                       |                   |                | 3.23 H                   | 347                        | 95.00                  | 3.30                           |
| 5   | #5850.00       | 60.2 PK                       | 78.2              | -18.0          | 1.00 H                   | 347                        | 56.71                  | 3.49                           |
| 6   | 11380.00       | 50.6 PK                       | 74.0              | -23.4          | 2.04 H                   | 135                        | 36.97                  | 13.63                          |
| 7   | 11380.00       | 38.1 AV                       | 54.0              | -15.9          | 2.04 H                   | 135                        | 24.47                  | 13.63                          |
| 8   | #17070.00      | 51.8 PK                       | 74.0              | -22.2          | 2.10 H                   | 136                        | 30.95                  | 20.85                          |
| 9   | #17070.00      | 39.1 AV                       | 54.0              | -14.9          | 2.10 H                   | 136                        | 18.25                  | 20.85                          |

**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       | 61.0 PK                       | 74.0              | -13.0          | 1.03 V                   | 118                        | 58.21                  | 2.79                           |
| 2   | #5470.00       | 49.8 AV                       | 54.0              | -4.2           | 1.03 V                   | 118                        | 47.01                  | 2.79                           |
| 3   | *5690.00       | 114.4 PK                      |                   |                | 1.11 V                   | 116                        | 111.10                 | 3.30                           |
| 4   | *5690.00       | 101.7 AV                      |                   |                | 1.11 V                   | 116                        | 98.40                  | 3.30                           |
| 5   | #5850.00       | 68.1 PK                       | 78.2              | -10.1          | 1.03 V                   | 116                        | 64.61                  | 3.49                           |
| 6   | 11380.00       | 49.9 PK                       | 74.0              | -24.1          | 2.32 V                   | 173                        | 36.27                  | 13.63                          |
| 7   | 11380.00       | 37.6 AV                       | 54.0              | -16.4          | 2.32 V                   | 173                        | 23.97                  | 13.63                          |
| 8   | #17070.00      | 52.1 PK                       | 74.0              | -21.9          | 2.54 V                   | 278                        | 31.25                  | 20.85                          |
| 9   | #17070.00      | 39.8 AV                       | 54.0              | -14.2          | 2.54 V                   | 278                        | 18.95                  | 20.85                          |

**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.



3TX

ANT5, ANT6, ANT8

802.11a

|                        |               |                 |              |
|------------------------|---------------|-----------------|--------------|
| <b>CHANNEL</b>         | TX Channel 52 | <b>DETECTOR</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  | <b>FUNCTION</b> | 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                                                   | 5100.00     | 52.0 PK                 | 74.0           | -22.0       | 1.17 H             | 357                  | 49.68            | 2.32                     |
| 2                                                   | 5100.00     | 38.8 AV                 | 54.0           | -15.2       | 1.17 H             | 357                  | 36.48            | 2.32                     |
| 3                                                   | *5260.00    | 114.7 PK                |                |             | 1.82 H             | 293                  | 112.16           | 2.54                     |
| 4                                                   | *5260.00    | 104.6 AV                |                |             | 1.82 H             | 293                  | 102.06           | 2.54                     |
| 5                                                   | 5420.00     | 58.2 PK                 | 74.0           | -15.8       | 1.17 H             | 354                  | 55.47            | 2.73                     |
| 6                                                   | 5420.00     | 42.0 AV                 | 54.0           | -12.0       | 1.17 H             | 354                  | 39.27            | 2.73                     |
| 7                                                   | #10520.00   | 50.7 PK                 | 74.0           | -23.3       | 2.08 H             | 126                  | 38.30            | 12.40                    |
| 8                                                   | #10520.00   | 38.3 AV                 | 54.0           | -15.7       | 2.08 H             | 126                  | 25.90            | 12.40                    |
| 9                                                   | 15780.00    | 52.0 PK                 | 74.0           | -22.0       | 2.05 H             | 143                  | 37.18            | 14.82                    |
| 10                                                  | 15780.00    | 39.5 AV                 | 54.0           | -14.5       | 2.05 H             | 143                  | 24.68            | 14.82                    |

| 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                                                 | 5100.00     | 59.8 PK                 | 74.0           | -14.2       | 2.55 V             | 50                   | 57.48            | 2.32                     |
| 2                                                 | 5100.00     | 49.6 AV                 | 54.0           | -4.4        | 2.55 V             | 50                   | 47.28            | 2.32                     |
| 3                                                 | *5260.00    | 117.5 PK                |                |             | 2.55 V             | 50                   | 114.96           | 2.54                     |
| 4                                                 | *5260.00    | 107.3 AV                |                |             | 2.55 V             | 50                   | 104.76           | 2.54                     |
| 5                                                 | 5420.00     | 61.4 PK                 | 74.0           | -12.6       | 2.55 V             | 50                   | 58.67            | 2.73                     |
| 6                                                 | 5420.00     | 50.2 AV                 | 54.0           | -3.8        | 2.55 V             | 50                   | 47.47            | 2.73                     |
| 7                                                 | #10520.00   | 51.1 PK                 | 74.0           | -22.9       | 2.46 V             | 194                  | 38.70            | 12.40                    |
| 8                                                 | #10520.00   | 40.5 AV                 | 54.0           | -13.5       | 2.46 V             | 194                  | 28.10            | 12.40                    |
| 9                                                 | 15780.00    | 56.6 PK                 | 74.0           | -17.4       | 2.43 V             | 321                  | 41.78            | 14.82                    |
| 10                                                | 15780.00    | 45.8 AV                 | 54.0           | -8.2        | 2.43 V             | 321                  | 30.98            | 14.82                    |

**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 60 | 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   | 5140.00        | 58.7 PK                       | 74.0              | -15.3          | 1.00 H                   | 360                        | 56.33                  | 2.37                           |
| 2   | 5140.00        | 42.9 AV                       | 54.0              | -11.1          | 1.00 H                   | 360                        | 40.53                  | 2.37                           |
| 3   | *5300.00       | 114.4 PK                      |                   |                | 1.83 H                   | 302                        | 111.79                 | 2.61                           |
| 4   | *5300.00       | 104.3 AV                      |                   |                | 1.83 H                   | 302                        | 101.69                 | 2.61                           |
| 5   | 5460.00        | 51.7 PK                       | 74.0              | -22.3          | 1.14 H                   | 360                        | 48.92                  | 2.78                           |
| 6   | 5460.00        | 38.4 AV                       | 54.0              | -15.6          | 1.14 H                   | 360                        | 35.62                  | 2.78                           |
| 7   | 10600.00       | 50.7 PK                       | 74.0              | -23.3          | 2.03 H                   | 133                        | 37.84                  | 12.86                          |
| 8   | 10600.00       | 38.2 AV                       | 54.0              | -15.8          | 2.03 H                   | 133                        | 25.34                  | 12.86                          |
| 9   | 15900.00       | 52.3 PK                       | 74.0              | -21.7          | 2.09 H                   | 135                        | 37.43                  | 14.87                          |
| 10  | 15900.00       | 39.7 AV                       | 54.0              | -14.3          | 2.09 H                   | 135                        | 24.83                  | 14.87                          |

**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   | 5140.00        | 60.2 PK                       | 74.0              | -13.8          | 2.54 V                   | 50                         | 57.83                  | 2.37                           |
| 2   | 5140.00        | 50.8 AV                       | 54.0              | -3.2           | 2.54 V                   | 50                         | 48.43                  | 2.37                           |
| 3   | *5300.00       | 116.6 PK                      |                   |                | 2.54 V                   | 51                         | 113.99                 | 2.61                           |
| 4   | *5300.00       | 107.5 AV                      |                   |                | 2.54 V                   | 51                         | 104.89                 | 2.61                           |
| 5   | 5460.00        | 64.5 PK                       | 74.0              | -9.5           | 2.54 V                   | 50                         | 61.72                  | 2.78                           |
| 6   | 5460.00        | 49.9 AV                       | 54.0              | -4.1           | 2.54 V                   | 50                         | 47.12                  | 2.78                           |
| 7   | 10600.00       | 51.7 PK                       | 74.0              | -22.3          | 2.42 V                   | 180                        | 38.84                  | 12.86                          |
| 8   | 10600.00       | 41.0 AV                       | 54.0              | -13.0          | 2.42 V                   | 180                        | 28.14                  | 12.86                          |
| 9   | 15900.00       | 57.0 PK                       | 74.0              | -17.0          | 2.51 V                   | 315                        | 42.13                  | 14.87                          |
| 10  | 15900.00       | 46.0 AV                       | 54.0              | -8.0           | 2.51 V                   | 315                        | 31.13                  | 14.87                          |

**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.

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 64 | 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   | *5320.00       | 111.2 PK                      |                   |                | 1.86 H                   | 285                        | 108.57                 | 2.63                           |
| 2   | *5320.00       | 101.0 AV                      |                   |                | 1.86 H                   | 285                        | 98.37                  | 2.63                           |
| 3   | 5350.00        | 62.6 PK                       | 74.0              | -11.4          | 1.02 H                   | 355                        | 59.95                  | 2.65                           |
| 4   | 5350.00        | 45.6 AV                       | 54.0              | -8.4           | 1.02 H                   | 355                        | 42.95                  | 2.65                           |
| 5   | 10640.00       | 50.8 PK                       | 74.0              | -23.2          | 2.08 H                   | 131                        | 37.92                  | 12.88                          |
| 6   | 10640.00       | 38.3 AV                       | 54.0              | -15.7          | 2.08 H                   | 131                        | 25.42                  | 12.88                          |
| 7   | 15960.00       | 51.9 PK                       | 74.0              | -22.1          | 2.12 H                   | 123                        | 36.97                  | 14.93                          |
| 8   | 15960.00       | 39.6 AV                       | 54.0              | -14.4          | 2.12 H                   | 123                        | 24.67                  | 14.93                          |

**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       | 114.2 PK                      |                   |                | 2.52 V                   | 54                         | 111.57                 | 2.63                           |
| 2   | *5320.00       | 103.9 AV                      |                   |                | 2.52 V                   | 54                         | 101.27                 | 2.63                           |
| 3   | 5350.00        | 67.4 PK                       | 74.0              | -6.6           | 2.54 V                   | 50                         | 64.75                  | 2.65                           |
| 4   | 5350.00        | 53.2 AV                       | 54.0              | -0.8           | 2.54 V                   | 50                         | 50.55                  | 2.65                           |
| 5   | 10640.00       | 50.6 PK                       | 74.0              | -23.4          | 2.37 V                   | 184                        | 37.72                  | 12.88                          |
| 6   | 10640.00       | 40.2 AV                       | 54.0              | -13.8          | 2.37 V                   | 184                        | 27.32                  | 12.88                          |
| 7   | 15960.00       | 54.9 PK                       | 74.0              | -19.1          | 2.48 V                   | 321                        | 39.97                  | 14.93                          |
| 8   | 15960.00       | 44.2 AV                       | 54.0              | -9.8           | 2.48 V                   | 321                        | 29.27                  | 14.93                          |

**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       | 62.9 PK                       | 74.0              | -11.1          | 1.09 H                   | 353                        | 60.11                  | 2.79                           |
| 2   | #5470.00       | 45.7 AV                       | 54.0              | -8.3           | 1.09 H                   | 353                        | 42.91                  | 2.79                           |
| 3   | *5500.00       | 111.7 PK                      |                   |                | 1.83 H                   | 299                        | 108.87                 | 2.83                           |
| 4   | *5500.00       | 102.1 AV                      |                   |                | 1.83 H                   | 299                        | 99.27                  | 2.83                           |
| 5   | #5735.00       | 58.6 PK                       | 74.0              | -15.4          | 1.03 H                   | 359                        | 55.23                  | 3.37                           |
| 6   | #5735.00       | 42.7 AV                       | 54.0              | -11.3          | 1.03 H                   | 359                        | 39.33                  | 3.37                           |
| 7   | 11000.00       | 50.8 PK                       | 74.0              | -23.2          | 2.00 H                   | 126                        | 37.16                  | 13.64                          |
| 8   | 11000.00       | 38.4 AV                       | 54.0              | -15.6          | 2.00 H                   | 126                        | 24.76                  | 13.64                          |
| 9   | #16500.00      | 52.0 PK                       | 74.0              | -22.0          | 2.07 H                   | 137                        | 33.36                  | 18.64                          |
| 10  | #16500.00      | 39.3 AV                       | 54.0              | -14.7          | 2.07 H                   | 137                        | 20.66                  | 18.64                          |

**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       | 71.1 PK                       | 74.0              | -2.9           | 2.66 V                   | 60                         | 68.31                  | 2.79                           |
| 2   | #5470.00       | 53.2 AV                       | 54.0              | -0.8           | 2.66 V                   | 60                         | 50.41                  | 2.79                           |
| 3   | *5500.00       | 114.6 PK                      |                   |                | 2.59 V                   | 60                         | 111.77                 | 2.83                           |
| 4   | *5500.00       | 104.9 AV                      |                   |                | 2.59 V                   | 60                         | 102.07                 | 2.83                           |
| 5   | #5735.00       | 62.6 PK                       | 74.0              | -11.4          | 2.66 V                   | 36                         | 59.23                  | 3.37                           |
| 6   | #5735.00       | 51.6 AV                       | 54.0              | -2.4           | 2.66 V                   | 36                         | 48.23                  | 3.37                           |
| 7   | 11000.00       | 50.4 PK                       | 74.0              | -23.6          | 2.38 V                   | 186                        | 36.76                  | 13.64                          |
| 8   | 11000.00       | 39.6 AV                       | 54.0              | -14.4          | 2.38 V                   | 186                        | 25.96                  | 13.64                          |
| 9   | #16500.00      | 55.6 PK                       | 74.0              | -18.4          | 2.44 V                   | 297                        | 36.96                  | 18.64                          |
| 10  | #16500.00      | 44.9 AV                       | 54.0              | -9.1           | 2.44 V                   | 297                        | 26.26                  | 18.64                          |

**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   | 5420.00        | 62.8 PK                       | 74.0              | -11.2          | 1.02 H                   | 352                        | 60.07                  | 2.73                           |
| 2   | 5420.00        | 45.6 AV                       | 54.0              | -8.4           | 1.02 H                   | 352                        | 42.87                  | 2.73                           |
| 3   | *5580.00       | 113.0 PK                      |                   |                | 1.93 H                   | 296                        | 109.94                 | 3.06                           |
| 4   | *5580.00       | 103.4 AV                      |                   |                | 1.93 H                   | 296                        | 100.34                 | 3.06                           |
| 5   | #5740.00       | 59.3 PK                       | 74.0              | -14.7          | 1.04 H                   | 352                        | 55.93                  | 3.37                           |
| 6   | #5740.00       | 43.1 AV                       | 54.0              | -10.9          | 1.04 H                   | 352                        | 39.73                  | 3.37                           |
| 7   | 11160.00       | 51.1 PK                       | 74.0              | -22.9          | 2.08 H                   | 145                        | 37.48                  | 13.62                          |
| 8   | 11160.00       | 38.3 AV                       | 54.0              | -15.7          | 2.08 H                   | 145                        | 24.68                  | 13.62                          |
| 9   | #16740.00      | 52.5 PK                       | 74.0              | -21.5          | 2.09 H                   | 132                        | 32.91                  | 19.59                          |
| 10  | #16740.00      | 39.9 AV                       | 54.0              | -14.1          | 2.09 H                   | 132                        | 20.31                  | 19.59                          |

**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   | 5420.00        | 62.5 PK                       | 74.0              | -11.5          | 2.53 V                   | 59                         | 59.77                  | 2.73                           |
| 2   | 5420.00        | 53.8 AV                       | 54.0              | -0.2           | 2.53 V                   | 59                         | 51.07                  | 2.73                           |
| 3   | *5580.00       | 116.1 PK                      |                   |                | 2.53 V                   | 59                         | 113.04                 | 3.06                           |
| 4   | *5580.00       | 106.7 AV                      |                   |                | 2.53 V                   | 59                         | 103.64                 | 3.06                           |
| 5   | #5740.00       | 60.1 PK                       | 74.0              | -13.9          | 2.53 V                   | 59                         | 56.73                  | 3.37                           |
| 6   | #5740.00       | 51.6 AV                       | 54.0              | -2.4           | 2.53 V                   | 59                         | 48.23                  | 3.37                           |
| 7   | 11160.00       | 51.9 PK                       | 74.0              | -22.1          | 2.42 V                   | 168                        | 38.28                  | 13.62                          |
| 8   | 11160.00       | 41.4 AV                       | 54.0              | -12.6          | 2.42 V                   | 168                        | 27.78                  | 13.62                          |
| 9   | #16740.00      | 56.6 PK                       | 74.0              | -17.4          | 2.49 V                   | 302                        | 37.01                  | 19.59                          |
| 10  | #16740.00      | 45.6 AV                       | 54.0              | -8.4           | 2.49 V                   | 302                        | 26.01                  | 19.59                          |

**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   | 5455.00        | 59.3 PK                       | 74.0              | -14.7          | 1.07 H                   | 358                        | 56.53                  | 2.77                           |
| 2   | 5455.00        | 43.0 AV                       | 54.0              | -11.0          | 1.07 H                   | 358                        | 40.23                  | 2.77                           |
| 3   | *5700.00       | 109.4 PK                      |                   |                | 1.92 H                   | 295                        | 106.08                 | 3.32                           |
| 4   | *5700.00       | 99.8 AV                       |                   |                | 1.92 H                   | 295                        | 96.48                  | 3.32                           |
| 5   | #5725.00       | 62.2 PK                       | 74.0              | -11.8          | 1.06 H                   | 360                        | 58.84                  | 3.36                           |
| 6   | #5725.00       | 44.9 AV                       | 54.0              | -9.1           | 1.06 H                   | 360                        | 41.54                  | 3.36                           |
| 7   | 11400.00       | 50.5 PK                       | 74.0              | -23.5          | 1.98 H                   | 132                        | 36.89                  | 13.61                          |
| 8   | 11400.00       | 38.1 AV                       | 54.0              | -15.9          | 1.98 H                   | 132                        | 24.49                  | 13.61                          |
| 9   | #17100.00      | 52.7 PK                       | 74.0              | -21.3          | 2.03 H                   | 149                        | 31.80                  | 20.90                          |
| 10  | #17100.00      | 40.1 AV                       | 54.0              | -13.9          | 2.03 H                   | 149                        | 19.20                  | 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   | 5455.00        | 62.3 PK                       | 74.0              | -11.7          | 2.51 V                   | 59                         | 59.53                  | 2.77                           |
| 2   | 5455.00        | 52.5 AV                       | 54.0              | -1.5           | 2.51 V                   | 59                         | 49.73                  | 2.77                           |
| 3   | *5700.00       | 111.7 PK                      |                   |                | 2.51 V                   | 58                         | 108.38                 | 3.32                           |
| 4   | *5700.00       | 102.3 AV                      |                   |                | 2.51 V                   | 58                         | 98.98                  | 3.32                           |
| 5   | #5725.00       | 72.6 PK                       | 74.0              | -1.4           | 2.53 V                   | 59                         | 69.24                  | 3.36                           |
| 6   | #5725.00       | 53.8 AV                       | 54.0              | -0.2           | 2.53 V                   | 59                         | 50.44                  | 3.36                           |
| 7   | 11400.00       | 50.3 PK                       | 74.0              | -23.7          | 2.36 V                   | 177                        | 36.69                  | 13.61                          |
| 8   | 11400.00       | 39.8 AV                       | 54.0              | -14.2          | 2.36 V                   | 177                        | 26.19                  | 13.61                          |
| 9   | #17100.00      | 55.2 PK                       | 74.0              | -18.8          | 2.50 V                   | 314                        | 34.30                  | 20.90                          |
| 10  | #17100.00      | 44.4 AV                       | 54.0              | -9.6           | 2.50 V                   | 314                        | 23.50                  | 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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 144 | 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   | *5720.00       | 114.3 PK                      |                   |                | 1.86 H                   | 302                        | 110.95                 | 3.35                           |
| 2   | *5720.00       | 104.3 AV                      |                   |                | 1.86 H                   | 302                        | 100.95                 | 3.35                           |
| 3   | #5880.00       | 59.4 PK                       | 74.0              | -14.6          | 1.06 H                   | 360                        | 55.88                  | 3.52                           |
| 4   | #5880.00       | 43.3 AV                       | 54.0              | -10.7          | 1.06 H                   | 360                        | 39.78                  | 3.52                           |
| 5   | 11440.00       | 51.1 PK                       | 74.0              | -22.9          | 2.08 H                   | 134                        | 37.54                  | 13.56                          |
| 6   | 11440.00       | 38.4 AV                       | 54.0              | -15.6          | 2.08 H                   | 134                        | 24.84                  | 13.56                          |
| 7   | #17160.00      | 52.5 PK                       | 74.0              | -21.5          | 2.04 H                   | 122                        | 31.72                  | 20.78                          |
| 8   | #17160.00      | 40.1 AV                       | 54.0              | -13.9          | 2.04 H                   | 122                        | 19.32                  | 20.78                          |

**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   | *5720.00       | 117.1 PK                      |                   |                | 2.42 V                   | 360                        | 113.75                 | 3.35                           |
| 2   | *5720.00       | 107.3 AV                      |                   |                | 2.42 V                   | 360                        | 103.95                 | 3.35                           |
| 3   | #5880.00       | 63.8 PK                       | 74.0              | -10.2          | 2.42 V                   | 57                         | 60.28                  | 3.52                           |
| 4   | #5880.00       | 53.3 AV                       | 54.0              | -0.7           | 2.42 V                   | 57                         | 49.78                  | 3.52                           |
| 5   | 11440.00       | 52.1 PK                       | 74.0              | -21.9          | 2.43 V                   | 170                        | 38.54                  | 13.56                          |
| 6   | 11440.00       | 41.4 AV                       | 54.0              | -12.6          | 2.43 V                   | 170                        | 27.84                  | 13.56                          |
| 7   | #17160.00      | 56.7 PK                       | 74.0              | -17.3          | 2.46 V                   | 317                        | 35.92                  | 20.78                          |
| 8   | #17160.00      | 45.6 AV                       | 54.0              | -8.4           | 2.46 V                   | 317                        | 24.82                  | 20.78                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| 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                                                   | 5100.00        | 52.1 PK                       | 74.0              | -21.9          | 1.18 H                   | 342                        | 49.78                  | 2.32                           |
| 2                                                   | 5100.00        | 38.7 AV                       | 54.0              | -15.3          | 1.18 H                   | 342                        | 36.38                  | 2.32                           |
| 3                                                   | *5260.00       | 113.4 PK                      |                   |                | 1.91 H                   | 297                        | 110.86                 | 2.54                           |
| 4                                                   | *5260.00       | 103.7 AV                      |                   |                | 1.91 H                   | 297                        | 101.16                 | 2.54                           |
| 5                                                   | 5420.00        | 51.0 PK                       | 74.0              | -23.0          | 1.14 H                   | 344                        | 48.27                  | 2.73                           |
| 6                                                   | 5420.00        | 38.1 AV                       | 54.0              | -15.9          | 1.14 H                   | 344                        | 35.37                  | 2.73                           |
| 7                                                   | #10520.00      | 49.7 PK                       | 74.0              | -24.3          | 1.99 H                   | 130                        | 37.30                  | 12.40                          |
| 8                                                   | #10520.00      | 37.5 AV                       | 54.0              | -16.5          | 1.99 H                   | 130                        | 25.10                  | 12.40                          |
| 9                                                   | 15780.00       | 52.5 PK                       | 74.0              | -21.5          | 2.17 H                   | 136                        | 37.68                  | 14.82                          |
| 10                                                  | 15780.00       | 39.7 AV                       | 54.0              | -14.3          | 2.17 H                   | 136                        | 24.88                  | 14.82                          |
| 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                                                   | 5100.00        | 57.0 PK                       | 74.0              | -17.0          | 2.89 V                   | 99                         | 54.68                  | 2.32                           |
| 2                                                   | 5100.00        | 47.6 AV                       | 54.0              | -6.4           | 2.89 V                   | 99                         | 45.28                  | 2.32                           |
| 3                                                   | *5260.00       | 116.3 PK                      |                   |                | 2.89 V                   | 99                         | 113.76                 | 2.54                           |
| 4                                                   | *5260.00       | 106.3 AV                      |                   |                | 2.89 V                   | 99                         | 103.76                 | 2.54                           |
| 5                                                   | 5420.00        | 58.8 PK                       | 74.0              | -15.2          | 2.89 V                   | 99                         | 56.07                  | 2.73                           |
| 6                                                   | 5420.00        | 49.6 AV                       | 54.0              | -4.4           | 2.89 V                   | 99                         | 46.87                  | 2.73                           |
| 7                                                   | #10520.00      | 51.7 PK                       | 74.0              | -22.3          | 2.41 V                   | 189                        | 39.30                  | 12.40                          |
| 8                                                   | #10520.00      | 40.8 AV                       | 54.0              | -13.2          | 2.41 V                   | 189                        | 28.40                  | 12.40                          |
| 9                                                   | 15780.00       | 56.9 PK                       | 74.0              | -17.1          | 2.49 V                   | 311                        | 42.08                  | 14.82                          |
| 10                                                  | 15780.00       | 45.8 AV                       | 54.0              | -8.2           | 2.49 V                   | 311                        | 30.98                  | 14.82                          |

## 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 60 | 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   | 5140.00        | 51.7 PK                       | 74.0              | -22.3          | 1.04 H                   | 360                        | 49.33                  | 2.37                           |
| 2   | 5140.00        | 39.0 AV                       | 54.0              | -15.0          | 1.04 H                   | 360                        | 36.63                  | 2.37                           |
| 3   | *5300.00       | 113.2 PK                      |                   |                | 1.88 H                   | 289                        | 110.59                 | 2.61                           |
| 4   | *5300.00       | 103.5 AV                      |                   |                | 1.88 H                   | 289                        | 100.89                 | 2.61                           |
| 5   | 5460.00        | 51.5 PK                       | 74.0              | -22.5          | 1.12 H                   | 360                        | 48.72                  | 2.78                           |
| 6   | 5460.00        | 38.4 AV                       | 54.0              | -15.6          | 1.12 H                   | 360                        | 35.62                  | 2.78                           |
| 7   | 10600.00       | 50.4 PK                       | 74.0              | -23.6          | 1.98 H                   | 123                        | 37.54                  | 12.86                          |
| 8   | 10600.00       | 38.2 AV                       | 54.0              | -15.8          | 1.98 H                   | 123                        | 25.34                  | 12.86                          |
| 9   | 15900.00       | 52.2 PK                       | 74.0              | -21.8          | 2.15 H                   | 138                        | 37.33                  | 14.87                          |
| 10  | 15900.00       | 39.5 AV                       | 54.0              | -14.5          | 2.15 H                   | 138                        | 24.63                  | 14.87                          |

**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   | 5140.00        | 57.7 PK                       | 74.0              | -16.3          | 2.86 V                   | 98                         | 55.33                  | 2.37                           |
| 2   | 5140.00        | 48.9 AV                       | 54.0              | -5.1           | 2.86 V                   | 98                         | 46.53                  | 2.37                           |
| 3   | *5300.00       | 116.4 PK                      |                   |                | 2.86 V                   | 98                         | 113.79                 | 2.61                           |
| 4   | *5300.00       | 106.3 AV                      |                   |                | 2.86 V                   | 98                         | 103.69                 | 2.61                           |
| 5   | 5460.00        | 61.6 PK                       | 74.0              | -12.4          | 2.86 V                   | 98                         | 58.82                  | 2.78                           |
| 6   | 5460.00        | 49.7 AV                       | 54.0              | -4.3           | 2.86 V                   | 98                         | 46.92                  | 2.78                           |
| 7   | 10600.00       | 51.1 PK                       | 74.0              | -22.9          | 2.50 V                   | 183                        | 38.24                  | 12.86                          |
| 8   | 10600.00       | 40.6 AV                       | 54.0              | -13.4          | 2.50 V                   | 183                        | 27.74                  | 12.86                          |
| 9   | 15900.00       | 56.2 PK                       | 74.0              | -17.8          | 2.43 V                   | 309                        | 41.33                  | 14.87                          |
| 10  | 15900.00       | 45.2 AV                       | 54.0              | -8.8           | 2.43 V                   | 309                        | 30.33                  | 14.87                          |

**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       | 111.9 PK                      |                   |                | 1.91 H                   | 303                        | 109.27                 | 2.63                           |
| 2   | *5320.00       | 102.0 AV                      |                   |                | 1.91 H                   | 303                        | 99.37                  | 2.63                           |
| 3   | 5350.00        | 62.8 PK                       | 74.0              | -11.2          | 1.11 H                   | 352                        | 60.15                  | 2.65                           |
| 4   | 5350.00        | 45.7 AV                       | 54.0              | -8.3           | 1.11 H                   | 352                        | 43.05                  | 2.65                           |
| 5   | 10640.00       | 50.6 PK                       | 74.0              | -23.4          | 2.03 H                   | 124                        | 37.72                  | 12.88                          |
| 6   | 10640.00       | 38.2 AV                       | 54.0              | -15.8          | 2.03 H                   | 124                        | 25.32                  | 12.88                          |
| 7   | 15960.00       | 52.1 PK                       | 74.0              | -21.9          | 2.18 H                   | 157                        | 37.17                  | 14.93                          |
| 8   | 15960.00       | 39.4 AV                       | 54.0              | -14.6          | 2.18 H                   | 157                        | 24.47                  | 14.93                          |

**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       | 114.2 PK                      |                   |                | 2.70 V                   | 100                        | 111.57                 | 2.63                           |
| 2   | *5320.00       | 104.6 AV                      |                   |                | 2.70 V                   | 100                        | 101.97                 | 2.63                           |
| 3   | 5350.00        | 70.6 PK                       | 74.0              | -3.4           | 2.70 V                   | 100                        | 67.95                  | 2.65                           |
| 4   | 5350.00        | 53.6 AV                       | 54.0              | -0.4           | 2.70 V                   | 100                        | 50.95                  | 2.65                           |
| 5   | 10640.00       | 50.5 PK                       | 74.0              | -23.5          | 2.40 V                   | 174                        | 37.62                  | 12.88                          |
| 6   | 10640.00       | 39.9 AV                       | 54.0              | -14.1          | 2.40 V                   | 174                        | 27.02                  | 12.88                          |
| 7   | 15960.00       | 55.0 PK                       | 74.0              | -19.0          | 2.52 V                   | 307                        | 40.07                  | 14.93                          |
| 8   | 15960.00       | 44.4 AV                       | 54.0              | -9.6           | 2.52 V                   | 307                        | 29.47                  | 14.93                          |

**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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 100 | 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   | #5470.00       | 62.0 PK                       | 74.0              | -12.0          | 1.07 H                   | 342                        | 59.21                  | 2.79                           |
| 2   | #5470.00       | 44.7 AV                       | 54.0              | -9.3           | 1.07 H                   | 342                        | 41.91                  | 2.79                           |
| 3   | *5500.00       | 112.6 PK                      |                   |                | 1.85 H                   | 290                        | 109.77                 | 2.83                           |
| 4   | *5500.00       | 103.0 AV                      |                   |                | 1.85 H                   | 290                        | 100.17                 | 2.83                           |
| 5   | 11000.00       | 49.7 PK                       | 74.0              | -24.3          | 2.06 H                   | 133                        | 36.06                  | 13.64                          |
| 6   | 11000.00       | 37.6 AV                       | 54.0              | -16.4          | 2.06 H                   | 133                        | 23.96                  | 13.64                          |
| 7   | #16500.00      | 51.9 PK                       | 74.0              | -22.1          | 2.15 H                   | 144                        | 33.26                  | 18.64                          |
| 8   | #16500.00      | 39.5 AV                       | 54.0              | -14.5          | 2.15 H                   | 144                        | 20.86                  | 18.64                          |

**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       | 70.7 PK                       | 74.0              | -3.3           | 2.68 V                   | 61                         | 67.91                  | 2.79                           |
| 2   | #5470.00       | 53.5 AV                       | 54.0              | -0.5           | 2.68 V                   | 61                         | 50.71                  | 2.79                           |
| 3   | *5500.00       | 115.1 PK                      |                   |                | 2.68 V                   | 61                         | 112.27                 | 2.83                           |
| 4   | *5500.00       | 105.5 AV                      |                   |                | 2.68 V                   | 61                         | 102.67                 | 2.83                           |
| 5   | 11000.00       | 50.7 PK                       | 74.0              | -23.3          | 2.35 V                   | 173                        | 37.06                  | 13.64                          |
| 6   | 11000.00       | 40.1 AV                       | 54.0              | -13.9          | 2.35 V                   | 173                        | 26.46                  | 13.64                          |
| 7   | #16500.00      | 55.1 PK                       | 74.0              | -18.9          | 2.48 V                   | 308                        | 36.46                  | 18.64                          |
| 8   | #16500.00      | 44.6 AV                       | 54.0              | -9.4           | 2.48 V                   | 308                        | 25.96                  | 18.64                          |

**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   | 5420.00        | 62.2 PK                       | 74.0              | -11.8          | 1.09 H                   | 343                        | 59.47                  | 2.73                           |
| 2   | 5420.00        | 45.0 AV                       | 54.0              | -9.0           | 1.09 H                   | 343                        | 42.27                  | 2.73                           |
| 3   | *5580.00       | 113.2 PK                      |                   |                | 1.84 H                   | 283                        | 110.14                 | 3.06                           |
| 4   | *5580.00       | 103.5 AV                      |                   |                | 1.84 H                   | 283                        | 100.44                 | 3.06                           |
| 5   | #5740.00       | 59.7 PK                       | 74.0              | -14.3          | 1.02 H                   | 350                        | 56.33                  | 3.37                           |
| 6   | #5740.00       | 43.3 AV                       | 54.0              | -10.7          | 1.02 H                   | 350                        | 39.93                  | 3.37                           |
| 7   | 11160.00       | 50.1 PK                       | 74.0              | -23.9          | 2.05 H                   | 147                        | 36.48                  | 13.62                          |
| 8   | 11160.00       | 38.1 AV                       | 54.0              | -15.9          | 2.05 H                   | 147                        | 24.48                  | 13.62                          |
| 9   | #16740.00      | 52.1 PK                       | 74.0              | -21.9          | 2.17 H                   | 128                        | 32.51                  | 19.59                          |
| 10  | #16740.00      | 39.7 AV                       | 54.0              | -14.3          | 2.17 H                   | 128                        | 20.11                  | 19.59                          |

**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   | 5420.00        | 63.8 PK                       | 74.0              | -10.2          | 2.74 V                   | 51                         | 61.07                  | 2.73                           |
| 2   | 5420.00        | 53.3 AV                       | 54.0              | -0.7           | 2.74 V                   | 51                         | 50.57                  | 2.73                           |
| 3   | *5580.00       | 116.3 PK                      |                   |                | 2.70 V                   | 342                        | 113.24                 | 3.06                           |
| 4   | *5580.00       | 106.2 AV                      |                   |                | 2.70 V                   | 342                        | 103.14                 | 3.06                           |
| 5   | #5740.00       | 61.7 PK                       | 74.0              | -12.3          | 2.78 V                   | 347                        | 58.33                  | 3.37                           |
| 6   | #5740.00       | 51.8 AV                       | 54.0              | -2.2           | 2.78 V                   | 347                        | 48.43                  | 3.37                           |
| 7   | 11160.00       | 51.4 PK                       | 74.0              | -22.6          | 2.41 V                   | 188                        | 37.78                  | 13.62                          |
| 8   | 11160.00       | 40.9 AV                       | 54.0              | -13.1          | 2.41 V                   | 188                        | 27.28                  | 13.62                          |
| 9   | #16740.00      | 56.2 PK                       | 74.0              | -17.8          | 2.41 V                   | 301                        | 36.61                  | 19.59                          |
| 10  | #16740.00      | 45.3 AV                       | 54.0              | -8.7           | 2.41 V                   | 301                        | 25.71                  | 19.59                          |

**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   | 5460.00        | 59.0 PK                       | 74.0              | -15.0          | 1.00 H                   | 353                        | 56.22                  | 2.78                           |
| 2   | 5460.00        | 42.9 AV                       | 54.0              | -11.1          | 1.00 H                   | 353                        | 40.12                  | 2.78                           |
| 3   | *5700.00       | 111.2 PK                      |                   |                | 1.92 H                   | 287                        | 107.88                 | 3.32                           |
| 4   | *5700.00       | 101.3 AV                      |                   |                | 1.92 H                   | 287                        | 97.98                  | 3.32                           |
| 5   | #5725.00       | 62.5 PK                       | 74.0              | -11.5          | 1.08 H                   | 348                        | 59.14                  | 3.36                           |
| 6   | #5725.00       | 45.4 AV                       | 54.0              | -8.6           | 1.08 H                   | 348                        | 42.04                  | 3.36                           |
| 7   | 11400.00       | 50.3 PK                       | 74.0              | -23.7          | 2.03 H                   | 137                        | 36.69                  | 13.61                          |
| 8   | 11400.00       | 38.0 AV                       | 54.0              | -16.0          | 2.03 H                   | 137                        | 24.39                  | 13.61                          |
| 9   | #17100.00      | 52.7 PK                       | 74.0              | -21.3          | 2.19 H                   | 156                        | 31.80                  | 20.90                          |
| 10  | #17100.00      | 39.7 AV                       | 54.0              | -14.3          | 2.19 H                   | 156                        | 18.80                  | 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   | 5460.00        | 58.5 PK                       | 74.0              | -15.5          | 2.68 V                   | 344                        | 55.72                  | 2.78                           |
| 2   | 5460.00        | 51.2 AV                       | 54.0              | -2.8           | 2.68 V                   | 344                        | 48.42                  | 2.78                           |
| 3   | *5700.00       | 114.2 PK                      |                   |                | 2.55 V                   | 346                        | 110.88                 | 3.32                           |
| 4   | *5700.00       | 103.9 AV                      |                   |                | 2.55 V                   | 346                        | 100.58                 | 3.32                           |
| 5   | #5725.00       | 73.5 PK                       | 74.0              | -0.5           | 2.47 V                   | 343                        | 70.14                  | 3.36                           |
| 6   | #5725.00       | 53.1 AV                       | 54.0              | -0.9           | 2.47 V                   | 343                        | 49.74                  | 3.36                           |
| 7   | 11400.00       | 51.1 PK                       | 74.0              | -22.9          | 2.39 V                   | 184                        | 37.49                  | 13.61                          |
| 8   | 11400.00       | 40.3 AV                       | 54.0              | -13.7          | 2.39 V                   | 184                        | 26.69                  | 13.61                          |
| 9   | #17100.00      | 55.6 PK                       | 74.0              | -18.4          | 2.46 V                   | 313                        | 34.70                  | 20.90                          |
| 10  | #17100.00      | 45.0 AV                       | 54.0              | -9.0           | 2.46 V                   | 313                        | 24.10                  | 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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 144 | 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   | *5720.00       | 115.0 PK                      |                   |                | 1.87 H                   | 300                        | 111.65                 | 3.35                           |
| 2   | *5720.00       | 105.1 AV                      |                   |                | 1.87 H                   | 300                        | 101.75                 | 3.35                           |
| 3   | #5880.00       | 62.7 PK                       | 74.0              | -11.3          | 1.01 H                   | 353                        | 59.18                  | 3.52                           |
| 4   | #5880.00       | 45.5 AV                       | 54.0              | -8.5           | 1.01 H                   | 353                        | 41.98                  | 3.52                           |
| 5   | 11440.00       | 50.4 PK                       | 74.0              | -23.6          | 1.98 H                   | 130                        | 36.84                  | 13.56                          |
| 6   | 11440.00       | 38.1 AV                       | 54.0              | -15.9          | 1.98 H                   | 130                        | 24.54                  | 13.56                          |
| 7   | #17160.00      | 51.7 PK                       | 74.0              | -22.3          | 2.10 H                   | 147                        | 30.92                  | 20.78                          |
| 8   | #17160.00      | 38.8 AV                       | 54.0              | -15.2          | 2.10 H                   | 147                        | 18.02                  | 20.78                          |

**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   | *5720.00       | 117.6 PK                      |                   |                | 2.64 V                   | 12                         | 114.25                 | 3.35                           |
| 2   | *5720.00       | 107.3 AV                      |                   |                | 2.64 V                   | 12                         | 103.95                 | 3.35                           |
| 3   | #5880.00       | 63.8 PK                       | 74.0              | -10.2          | 2.82 V                   | 13                         | 60.28                  | 3.52                           |
| 4   | #5880.00       | 53.7 AV                       | 54.0              | -0.3           | 2.82 V                   | 13                         | 50.18                  | 3.52                           |
| 5   | 11440.00       | 51.9 PK                       | 74.0              | -22.1          | 2.50 V                   | 177                        | 38.34                  | 13.56                          |
| 6   | 11440.00       | 41.3 AV                       | 54.0              | -12.7          | 2.50 V                   | 177                        | 27.74                  | 13.56                          |
| 7   | #17160.00      | 56.9 PK                       | 74.0              | -17.1          | 2.41 V                   | 301                        | 36.12                  | 20.78                          |
| 8   | #17160.00      | 45.8 AV                       | 54.0              | -8.2           | 2.41 V                   | 301                        | 25.02                  | 20.78                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 54 | 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                                                   | 5120.00        | 51.6 PK                       | 74.0              | -22.4          | 1.17 H                   | 360                        | 49.25                  | 2.35                           |
| 2                                                   | 5120.00        | 38.5 AV                       | 54.0              | -15.5          | 1.17 H                   | 360                        | 36.15                  | 2.35                           |
| 3                                                   | *5270.00       | 110.0 PK                      |                   |                | 1.83 H                   | 302                        | 107.44                 | 2.56                           |
| 4                                                   | *5270.00       | 100.1 AV                      |                   |                | 1.83 H                   | 302                        | 97.54                  | 2.56                           |
| 5                                                   | 5350.00        | 62.1 PK                       | 74.0              | -11.9          | 1.06 H                   | 344                        | 59.45                  | 2.65                           |
| 6                                                   | 5350.00        | 44.7 AV                       | 54.0              | -9.3           | 1.06 H                   | 344                        | 42.05                  | 2.65                           |
| 7                                                   | #10540.00      | 50.2 PK                       | 74.0              | -23.8          | 2.00 H                   | 135                        | 37.68                  | 12.52                          |
| 8                                                   | #10540.00      | 38.1 AV                       | 54.0              | -15.9          | 2.00 H                   | 135                        | 25.58                  | 12.52                          |
| 9                                                   | 15810.00       | 52.5 PK                       | 74.0              | -21.5          | 2.09 H                   | 139                        | 37.74                  | 14.76                          |
| 10                                                  | 15810.00       | 39.6 AV                       | 54.0              | -14.4          | 2.09 H                   | 139                        | 24.84                  | 14.76                          |
| 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                                                   | 5120.00        | 57.1 PK                       | 74.0              | -16.9          | 2.81 V                   | 227                        | 54.75                  | 2.35                           |
| 2                                                   | 5120.00        | 47.4 AV                       | 54.0              | -6.6           | 2.81 V                   | 227                        | 45.05                  | 2.35                           |
| 3                                                   | *5270.00       | 112.7 PK                      |                   |                | 2.81 V                   | 227                        | 110.14                 | 2.56                           |
| 4                                                   | *5270.00       | 102.9 AV                      |                   |                | 2.81 V                   | 227                        | 100.34                 | 2.56                           |
| 5                                                   | 5350.00        | 67.0 PK                       | 74.0              | -7.0           | 2.81 V                   | 227                        | 64.35                  | 2.65                           |
| 6                                                   | 5350.00        | 53.3 AV                       | 54.0              | -0.7           | 2.81 V                   | 227                        | 50.65                  | 2.65                           |
| 7                                                   | #10540.00      | 51.1 PK                       | 74.0              | -22.9          | 2.39 V                   | 171                        | 38.58                  | 12.52                          |
| 8                                                   | #10540.00      | 38.1 AV                       | 54.0              | -15.9          | 2.39 V                   | 171                        | 25.58                  | 12.52                          |
| 9                                                   | 15810.00       | 52.2 PK                       | 74.0              | -21.8          | 2.46 V                   | 278                        | 37.44                  | 14.76                          |
| 10                                                  | 15810.00       | 39.9 AV                       | 54.0              | -14.1          | 2.46 V                   | 278                        | 25.14                  | 14.76                          |

## 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       | 105.7 PK                      |                   |                | 1.83 H                   | 297                        | 103.09                 | 2.61                           |
| 2   | *5310.00       | 95.3 AV                       |                   |                | 1.83 H                   | 297                        | 92.69                  | 2.61                           |
| 3   | 5350.00        | 62.8 PK                       | 74.0              | -11.2          | 1.09 H                   | 356                        | 60.15                  | 2.65                           |
| 4   | 5350.00        | 45.7 AV                       | 54.0              | -8.3           | 1.09 H                   | 356                        | 43.05                  | 2.65                           |
| 5   | 10620.00       | 50.0 PK                       | 74.0              | -24.0          | 2.06 H                   | 129                        | 37.12                  | 12.88                          |
| 6   | 10620.00       | 37.7 AV                       | 54.0              | -16.3          | 2.06 H                   | 129                        | 24.82                  | 12.88                          |
| 7   | 15930.00       | 51.9 PK                       | 74.0              | -22.1          | 2.17 H                   | 139                        | 37.00                  | 14.90                          |
| 8   | 15930.00       | 39.3 AV                       | 54.0              | -14.7          | 2.17 H                   | 139                        | 24.40                  | 14.90                          |

**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   | *5310.00       | 108.6 PK                      |                   |                | 2.81 V                   | 227                        | 105.99                 | 2.61                           |
| 2   | *5310.00       | 98.2 AV                       |                   |                | 2.81 V                   | 227                        | 95.59                  | 2.61                           |
| 3   | 5350.00        | 72.2 PK                       | 74.0              | -1.8           | 2.81 V                   | 227                        | 69.55                  | 2.65                           |
| 4   | 5350.00        | 53.2 AV                       | 54.0              | -0.8           | 2.81 V                   | 227                        | 50.55                  | 2.65                           |
| 5   | 10620.00       | 50.5 PK                       | 74.0              | -23.5          | 2.36 V                   | 167                        | 37.62                  | 12.88                          |
| 6   | 10620.00       | 37.8 AV                       | 54.0              | -16.2          | 2.36 V                   | 167                        | 24.92                  | 12.88                          |
| 7   | 15930.00       | 51.7 PK                       | 74.0              | -22.3          | 2.46 V                   | 287                        | 36.80                  | 14.90                          |
| 8   | 15930.00       | 39.5 AV                       | 54.0              | -14.5          | 2.46 V                   | 287                        | 24.60                  | 14.90                          |

**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.



|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <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       | 62.8 PK                       | 74.0              | -11.2          | 1.02 H                   | 360                        | 60.01                  | 2.79                           |
| 2   | #5470.00       | 45.5 AV                       | 54.0              | -8.5           | 1.02 H                   | 360                        | 42.71                  | 2.79                           |
| 3   | *5510.00       | 107.8 PK                      |                   |                | 1.77 H                   | 311                        | 104.95                 | 2.85                           |
| 4   | *5510.00       | 96.8 AV                       |                   |                | 1.77 H                   | 311                        | 93.95                  | 2.85                           |
| 5   | #5970.00       | 51.4 PK                       | 74.0              | -22.6          | 1.09 H                   | 354                        | 47.67                  | 3.73                           |
| 6   | #5970.00       | 38.2 AV                       | 54.0              | -15.8          | 1.09 H                   | 354                        | 34.47                  | 3.73                           |
| 7   | 11020.00       | 50.6 PK                       | 74.0              | -23.4          | 2.06 H                   | 146                        | 36.96                  | 13.64                          |
| 8   | 11020.00       | 38.3 AV                       | 54.0              | -15.7          | 2.06 H                   | 146                        | 24.66                  | 13.64                          |
| 9   | #16530.00      | 52.1 PK                       | 74.0              | -21.9          | 2.13 H                   | 131                        | 33.28                  | 18.82                          |
| 10  | #16530.00      | 39.7 AV                       | 54.0              | -14.3          | 2.13 H                   | 131                        | 20.88                  | 18.82                          |

**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       | 72.2 PK                       | 74.0              | -1.8           | 2.83 V                   | 341                        | 69.41                  | 2.79                           |
| 2   | #5470.00       | 53.3 AV                       | 54.0              | -0.7           | 2.83 V                   | 341                        | 50.51                  | 2.79                           |
| 3   | *5510.00       | 110.5 PK                      |                   |                | 2.83 V                   | 341                        | 107.65                 | 2.85                           |
| 4   | *5510.00       | 99.7 AV                       |                   |                | 2.83 V                   | 341                        | 96.85                  | 2.85                           |
| 5   | #5970.00       | 55.9 PK                       | 74.0              | -18.1          | 2.83 V                   | 341                        | 52.17                  | 3.73                           |
| 6   | #5970.00       | 47.6 AV                       | 54.0              | -6.4           | 2.83 V                   | 341                        | 43.87                  | 3.73                           |
| 7   | 11020.00       | 51.5 PK                       | 74.0              | -22.5          | 2.39 V                   | 143                        | 37.86                  | 13.64                          |
| 8   | 11020.00       | 38.6 AV                       | 54.0              | -15.4          | 2.39 V                   | 143                        | 24.96                  | 13.64                          |
| 9   | #16530.00      | 52.7 PK                       | 74.0              | -21.3          | 2.42 V                   | 301                        | 33.88                  | 18.82                          |
| 10  | #16530.00      | 40.2 AV                       | 54.0              | -13.8          | 2.42 V                   | 301                        | 21.38                  | 18.82                          |

**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   | 5460.00        | 62.3 PK                       | 74.0              | -11.7          | 1.08 H                   | 360                        | 59.52                  | 2.78                           |
| 2   | 5460.00        | 45.1 AV                       | 54.0              | -8.9           | 1.08 H                   | 360                        | 42.32                  | 2.78                           |
| 3   | *5550.00       | 111.7 PK                      |                   |                | 1.83 H                   | 315                        | 108.72                 | 2.98                           |
| 4   | *5550.00       | 101.6 AV                      |                   |                | 1.83 H                   | 315                        | 98.62                  | 2.98                           |
| 5   | #5725.00       | 51.2 PK                       | 74.0              | -22.8          | 1.14 H                   | 360                        | 47.84                  | 3.36                           |
| 6   | #5725.00       | 38.2 AV                       | 54.0              | -15.8          | 1.14 H                   | 360                        | 34.84                  | 3.36                           |
| 7   | 11100.00       | 50.3 PK                       | 74.0              | -23.7          | 1.96 H                   | 147                        | 36.68                  | 13.62                          |
| 8   | 11100.00       | 38.0 AV                       | 54.0              | -16.0          | 1.96 H                   | 147                        | 24.38                  | 13.62                          |
| 9   | #16650.00      | 52.0 PK                       | 74.0              | -22.0          | 2.13 H                   | 129                        | 32.61                  | 19.39                          |
| 10  | #16650.00      | 39.6 AV                       | 54.0              | -14.4          | 2.13 H                   | 129                        | 20.21                  | 19.39                          |

**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   | 5460.00        | 66.1 PK                       | 74.0              | -7.9           | 2.64 V                   | 340                        | 63.32                  | 2.78                           |
| 2   | 5460.00        | 53.2 AV                       | 54.0              | -0.8           | 2.64 V                   | 340                        | 50.42                  | 2.78                           |
| 3   | *5550.00       | 114.3 PK                      |                   |                | 2.75 V                   | 340                        | 111.32                 | 2.98                           |
| 4   | *5550.00       | 104.0 AV                      |                   |                | 2.75 V                   | 340                        | 101.02                 | 2.98                           |
| 5   | #5725.00       | 58.1 PK                       | 74.0              | -15.9          | 2.64 V                   | 340                        | 54.74                  | 3.36                           |
| 6   | #5725.00       | 48.7 AV                       | 54.0              | -5.3           | 2.64 V                   | 340                        | 45.34                  | 3.36                           |
| 7   | 11100.00       | 51.1 PK                       | 74.0              | -22.9          | 2.39 V                   | 139                        | 37.48                  | 13.62                          |
| 8   | 11100.00       | 38.2 AV                       | 54.0              | -15.8          | 2.39 V                   | 139                        | 24.58                  | 13.62                          |
| 9   | #16650.00      | 53.5 PK                       | 74.0              | -20.5          | 2.50 V                   | 310                        | 34.11                  | 19.39                          |
| 10  | #16650.00      | 40.8 AV                       | 54.0              | -13.2          | 2.50 V                   | 310                        | 21.41                  | 19.39                          |

**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 134 | 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   | *5670.00       | 108.9 PK                      |                   |                | 1.83 H                   | 310                        | 105.64                 | 3.26                           |
| 2   | *5670.00       | 98.0 AV                       |                   |                | 1.83 H                   | 310                        | 94.74                  | 3.26                           |
| 3   | #5725.00       | 63.0 PK                       | 74.0              | -11.0          | 1.08 H                   | 360                        | 59.64                  | 3.36                           |
| 4   | #5725.00       | 45.6 AV                       | 54.0              | -8.4           | 1.08 H                   | 360                        | 42.24                  | 3.36                           |
| 5   | 11340.00       | 50.8 PK                       | 74.0              | -23.2          | 2.04 H                   | 141                        | 37.10                  | 13.70                          |
| 6   | 11340.00       | 38.5 AV                       | 54.0              | -15.5          | 2.04 H                   | 141                        | 24.80                  | 13.70                          |
| 7   | #17010.00      | 52.7 PK                       | 74.0              | -21.3          | 2.18 H                   | 140                        | 31.93                  | 20.77                          |
| 8   | #17010.00      | 39.8 AV                       | 54.0              | -14.2          | 2.18 H                   | 140                        | 19.03                  | 20.77                          |

**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       | 111.1 PK                      |                   |                | 2.64 V                   | 340                        | 107.84                 | 3.26                           |
| 2   | *5670.00       | 100.8 AV                      |                   |                | 2.64 V                   | 340                        | 97.54                  | 3.26                           |
| 3   | #5725.00       | 67.7 PK                       | 74.0              | -6.3           | 2.39 V                   | 283                        | 64.34                  | 3.36                           |
| 4   | #5725.00       | 53.5 AV                       | 54.0              | -0.5           | 2.39 V                   | 283                        | 50.14                  | 3.36                           |
| 5   | 11340.00       | 51.5 PK                       | 74.0              | -22.5          | 2.37 V                   | 128                        | 37.80                  | 13.70                          |
| 6   | 11340.00       | 39.0 AV                       | 54.0              | -15.0          | 2.37 V                   | 128                        | 25.30                  | 13.70                          |
| 7   | #17010.00      | 53.6 PK                       | 74.0              | -20.4          | 2.42 V                   | 302                        | 32.83                  | 20.77                          |
| 8   | #17010.00      | 40.7 AV                       | 54.0              | -13.3          | 2.42 V                   | 302                        | 19.93                  | 20.77                          |

**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 142 | <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   | 5460.00        | 59.4 PK                       | 74.0              | -14.6          | 1.03 H                   | 337                        | 56.62                  | 2.78                           |
| 2   | 5460.00        | 43.2 AV                       | 54.0              | -10.8          | 1.03 H                   | 337                        | 40.42                  | 2.78                           |
| 3   | *5710.00       | 110.0 PK                      |                   |                | 1.84 H                   | 302                        | 106.66                 | 3.34                           |
| 4   | *5710.00       | 100.2 AV                      |                   |                | 1.84 H                   | 302                        | 96.86                  | 3.34                           |
| 5   | #5870.00       | 59.7 PK                       | 74.0              | -14.3          | 1.02 H                   | 359                        | 56.19                  | 3.51                           |
| 6   | #5870.00       | 43.2 AV                       | 54.0              | -10.8          | 1.02 H                   | 359                        | 39.69                  | 3.51                           |
| 7   | 11420.00       | 49.8 PK                       | 74.0              | -24.2          | 1.97 H                   | 144                        | 36.21                  | 13.59                          |
| 8   | 11420.00       | 37.6 AV                       | 54.0              | -16.4          | 1.97 H                   | 144                        | 24.01                  | 13.59                          |
| 9   | #17130.00      | 52.1 PK                       | 74.0              | -21.9          | 2.16 H                   | 143                        | 31.27                  | 20.83                          |
| 10  | #17130.00      | 39.1 AV                       | 54.0              | -14.9          | 2.16 H                   | 143                        | 18.27                  | 20.83                          |

**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   | 5460.00        | 61.6 PK                       | 74.0              | -12.4          | 2.66 V                   | 318                        | 58.82                  | 2.78                           |
| 2   | 5460.00        | 51.6 AV                       | 54.0              | -2.4           | 2.66 V                   | 318                        | 48.82                  | 2.78                           |
| 3   | *5710.00       | 114.1 PK                      |                   |                | 3.06 V                   | 316                        | 110.76                 | 3.34                           |
| 4   | *5710.00       | 102.9 AV                      |                   |                | 3.06 V                   | 316                        | 99.56                  | 3.34                           |
| 5   | #5870.00       | 63.3 PK                       | 74.0              | -10.7          | 2.81 V                   | 360                        | 59.79                  | 3.51                           |
| 6   | #5870.00       | 51.9 AV                       | 54.0              | -2.1           | 2.81 V                   | 360                        | 48.39                  | 3.51                           |
| 7   | 11420.00       | 51.1 PK                       | 74.0              | -22.9          | 2.44 V                   | 127                        | 37.51                  | 13.59                          |
| 8   | 11420.00       | 38.5 AV                       | 54.0              | -15.5          | 2.44 V                   | 127                        | 24.91                  | 13.59                          |
| 9   | #17130.00      | 53.3 PK                       | 74.0              | -20.7          | 2.53 V                   | 315                        | 32.47                  | 20.83                          |
| 10  | #17130.00      | 40.8 AV                       | 54.0              | -13.2          | 2.53 V                   | 315                        | 19.97                  | 20.83                          |

**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.

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|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <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                                                   | 5150.00        | 48.0 PK                       | 74.0              | -26.0          | 1.17 H                   | 336                        | 45.63                  | 2.37                           |
| 2                                                   | 5150.00        | 33.8 AV                       | 54.0              | -20.2          | 1.17 H                   | 336                        | 31.43                  | 2.37                           |
| 3                                                   | *5290.00       | 102.3 PK                      |                   |                | 1.87 H                   | 307                        | 99.71                  | 2.59                           |
| 4                                                   | *5290.00       | 91.2 AV                       |                   |                | 1.87 H                   | 307                        | 88.61                  | 2.59                           |
| 5                                                   | 5350.00        | 62.1 PK                       | 74.0              | -11.9          | 1.03 H                   | 359                        | 59.45                  | 2.65                           |
| 6                                                   | 5350.00        | 45.0 AV                       | 54.0              | -9.0           | 1.03 H                   | 359                        | 42.35                  | 2.65                           |
| 7                                                   | #10580.00      | 50.7 PK                       | 74.0              | -23.3          | 1.99 H                   | 134                        | 37.95                  | 12.75                          |
| 8                                                   | #10580.00      | 38.2 AV                       | 54.0              | -15.8          | 1.99 H                   | 134                        | 25.45                  | 12.75                          |
| 9                                                   | 15870.00       | 52.6 PK                       | 74.0              | -21.4          | 2.17 H                   | 130                        | 37.77                  | 14.83                          |
| 10                                                  | 15870.00       | 39.8 AV                       | 54.0              | -14.2          | 2.17 H                   | 130                        | 24.97                  | 14.83                          |
| 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        | 57.9 PK                       | 74.0              | -16.1          | 2.46 V                   | 272                        | 55.53                  | 2.37                           |
| 2                                                   | 5150.00        | 43.5 AV                       | 54.0              | -10.5          | 2.46 V                   | 272                        | 41.13                  | 2.37                           |
| 3                                                   | *5290.00       | 105.7 PK                      |                   |                | 2.46 V                   | 272                        | 103.11                 | 2.59                           |
| 4                                                   | *5290.00       | 94.1 AV                       |                   |                | 2.46 V                   | 272                        | 91.51                  | 2.59                           |
| 5                                                   | 5350.00        | 71.3 PK                       | 74.0              | -2.7           | 2.46 V                   | 272                        | 68.65                  | 2.65                           |
| 6                                                   | 5350.00        | 53.3 AV                       | 54.0              | -0.7           | 2.46 V                   | 272                        | 50.65                  | 2.65                           |
| 7                                                   | #10580.00      | 51.3 PK                       | 74.0              | -22.7          | 2.37 V                   | 137                        | 38.55                  | 12.75                          |
| 8                                                   | #10580.00      | 38.8 AV                       | 54.0              | -15.2          | 2.37 V                   | 137                        | 26.05                  | 12.75                          |
| 9                                                   | 15870.00       | 53.2 PK                       | 74.0              | -20.8          | 2.50 V                   | 319                        | 38.37                  | 14.83                          |
| 10                                                  | 15870.00       | 40.3 AV                       | 54.0              | -13.7          | 2.50 V                   | 319                        | 25.47                  | 14.83                          |

## 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 106 | 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   | #5470.00       | 62.6 PK                       | 74.0              | -11.4          | 1.12 H                   | 347                        | 59.81                  | 2.79                           |
| 2   | #5470.00       | 45.6 AV                       | 54.0              | -8.4           | 1.12 H                   | 347                        | 42.81                  | 2.79                           |
| 3   | *5530.00       | 105.0 PK                      |                   |                | 1.83 H                   | 304                        | 102.08                 | 2.92                           |
| 4   | *5530.00       | 93.0 AV                       |                   |                | 1.83 H                   | 304                        | 90.08                  | 2.92                           |
| 5   | 11060.00       | 49.9 PK                       | 74.0              | -24.1          | 1.96 H                   | 123                        | 36.27                  | 13.63                          |
| 6   | 11060.00       | 37.9 AV                       | 54.0              | -16.1          | 1.96 H                   | 123                        | 24.27                  | 13.63                          |
| 7   | #16590.00      | 52.2 PK                       | 74.0              | -21.8          | 2.19 H                   | 149                        | 33.02                  | 19.18                          |
| 8   | #16590.00      | 39.3 AV                       | 54.0              | -14.7          | 2.19 H                   | 149                        | 20.12                  | 19.18                          |

**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       | 73.9 PK                       | 74.0              | -0.1           | 2.45 V                   | 284                        | 71.11                  | 2.79                           |
| 2   | #5470.00       | 53.8 AV                       | 54.0              | -0.2           | 2.45 V                   | 284                        | 51.01                  | 2.79                           |
| 3   | *5530.00       | 107.5 PK                      |                   |                | 2.45 V                   | 284                        | 104.58                 | 2.92                           |
| 4   | *5530.00       | 95.4 AV                       |                   |                | 2.45 V                   | 284                        | 92.48                  | 2.92                           |
| 5   | 11060.00       | 50.9 PK                       | 74.0              | -23.1          | 2.44 V                   | 119                        | 37.27                  | 13.63                          |
| 6   | 11060.00       | 38.5 AV                       | 54.0              | -15.5          | 2.44 V                   | 119                        | 24.87                  | 13.63                          |
| 7   | #16590.00      | 53.4 PK                       | 74.0              | -20.6          | 2.48 V                   | 309                        | 34.22                  | 19.18                          |
| 8   | #16590.00      | 40.8 AV                       | 54.0              | -13.2          | 2.48 V                   | 309                        | 21.62                  | 19.18                          |

**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 122 | 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   | #5470.00       | 52.1 PK                       | 74.0              | -21.9          | 1.11 H                   | 349                        | 49.31                  | 2.79                           |
| 2   | #5470.00       | 38.8 AV                       | 54.0              | -15.2          | 1.11 H                   | 349                        | 36.01                  | 2.79                           |
| 3   | *5610.00       | 105.6 PK                      |                   |                | 1.78 H                   | 314                        | 102.45                 | 3.15                           |
| 4   | *5610.00       | 93.4 AV                       |                   |                | 1.78 H                   | 314                        | 90.25                  | 3.15                           |
| 5   | #5725.00       | 62.4 PK                       | 74.0              | -11.6          | 1.05 H                   | 360                        | 59.04                  | 3.36                           |
| 6   | #5725.00       | 45.1 AV                       | 54.0              | -8.9           | 1.05 H                   | 360                        | 41.74                  | 3.36                           |
| 7   | 11220.00       | 50.3 PK                       | 74.0              | -23.7          | 2.02 H                   | 132                        | 36.66                  | 13.64                          |
| 8   | 11220.00       | 38.1 AV                       | 54.0              | -15.9          | 2.02 H                   | 132                        | 24.46                  | 13.64                          |
| 9   | #16830.00      | 51.6 PK                       | 74.0              | -22.4          | 2.14 H                   | 150                        | 31.75                  | 19.85                          |
| 10  | #16830.00      | 38.9 AV                       | 54.0              | -15.1          | 2.14 H                   | 150                        | 19.05                  | 19.85                          |

**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       | 61.6 PK                       | 74.0              | -12.4          | 2.52 V                   | 285                        | 58.81                  | 2.79                           |
| 2   | #5470.00       | 49.3 AV                       | 54.0              | -4.7           | 2.52 V                   | 285                        | 46.51                  | 2.79                           |
| 3   | *5610.00       | 108.4 PK                      |                   |                | 2.52 V                   | 285                        | 105.25                 | 3.15                           |
| 4   | *5610.00       | 96.5 AV                       |                   |                | 2.52 V                   | 285                        | 93.35                  | 3.15                           |
| 5   | #5725.00       | 69.1 PK                       | 74.0              | -4.9           | 2.52 V                   | 285                        | 65.74                  | 3.36                           |
| 6   | #5725.00       | 53.1 AV                       | 54.0              | -0.9           | 2.52 V                   | 285                        | 49.74                  | 3.36                           |
| 7   | 11220.00       | 51.7 PK                       | 74.0              | -22.3          | 2.46 V                   | 146                        | 38.06                  | 13.64                          |
| 8   | 11220.00       | 38.8 AV                       | 54.0              | -15.2          | 2.46 V                   | 146                        | 25.16                  | 13.64                          |
| 9   | #16830.00      | 52.6 PK                       | 74.0              | -21.4          | 2.50 V                   | 310                        | 32.75                  | 19.85                          |
| 10  | #16830.00      | 40.2 AV                       | 54.0              | -13.8          | 2.50 V                   | 310                        | 20.35                  | 19.85                          |

**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 138 | 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   | *5690.00       | 109.2 PK                      |                   |                | 1.87 H                   | 315                        | 105.90                 | 3.30                           |
| 2   | *5690.00       | 95.9 AV                       |                   |                | 1.87 H                   | 315                        | 92.60                  | 3.30                           |
| 3   | #5850.00       | 56.7 PK                       | 78.2              | -21.5          | 1.14 H                   | 342                        | 53.21                  | 3.49                           |
| 4   | 11380.00       | 49.8 PK                       | 74.0              | -24.2          | 2.02 H                   | 122                        | 36.17                  | 13.63                          |
| 5   | 11380.00       | 37.7 AV                       | 54.0              | -16.3          | 2.02 H                   | 122                        | 24.07                  | 13.63                          |
| 6   | #17070.00      | 52.1 PK                       | 74.0              | -21.9          | 2.09 H                   | 155                        | 31.25                  | 20.85                          |
| 7   | #17070.00      | 39.5 AV                       | 54.0              | -14.5          | 2.09 H                   | 155                        | 18.65                  | 20.85                          |

**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   | *5690.00       | 112.7 PK                      |                   |                | 2.80 V                   | 360                        | 109.40                 | 3.30                           |
| 2   | *5690.00       | 99.1 AV                       |                   |                | 2.80 V                   | 360                        | 95.80                  | 3.30                           |
| 3   | #5850.00       | 68.1 PK                       | 78.2              | -10.1          | 2.80 V                   | 360                        | 64.61                  | 3.49                           |
| 4   | 11380.00       | 51.6 PK                       | 74.0              | -22.4          | 2.46 V                   | 124                        | 37.97                  | 13.63                          |
| 5   | 11380.00       | 38.7 AV                       | 54.0              | -15.3          | 2.46 V                   | 124                        | 25.07                  | 13.63                          |
| 6   | #17070.00      | 52.7 PK                       | 74.0              | -21.3          | 2.47 V                   | 295                        | 31.85                  | 20.85                          |
| 7   | #17070.00      | 40.0 AV                       | 54.0              | -14.0          | 2.47 V                   | 295                        | 19.15                  | 20.85                          |

**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.



2TX

ANT7, ANT9

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|                        |               |                 |              |
|------------------------|---------------|-----------------|--------------|
| <b>CHANNEL</b>         | TX Channel 52 | <b>DETECTOR</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  | <b>FUNCTION</b> | 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                                                   | 5100.00     | 48.8 PK                 | 74.0           | -25.2       | 1.13 H             | 356                  | 46.48            | 2.32                     |
| 2                                                   | 5100.00     | 39.6 AV                 | 54.0           | -14.4       | 1.13 H             | 356                  | 37.28            | 2.32                     |
| 3                                                   | *5260.00    | 107.8 PK                |                |             | 1.18 H             | 343                  | 105.26           | 2.54                     |
| 4                                                   | *5260.00    | 97.9 AV                 |                |             | 1.18 H             | 343                  | 95.36            | 2.54                     |
| 5                                                   | 5420.00     | 52.0 PK                 | 74.0           | -22.0       | 1.18 H             | 360                  | 49.27            | 2.73                     |
| 6                                                   | 5420.00     | 41.9 AV                 | 54.0           | -12.1       | 1.18 H             | 360                  | 39.17            | 2.73                     |
| 7                                                   | #10520.00   | 50.0 PK                 | 74.0           | -24.0       | 2.02 H             | 119                  | 37.60            | 12.40                    |
| 8                                                   | #10520.00   | 37.4 AV                 | 54.0           | -16.6       | 2.02 H             | 119                  | 25.00            | 12.40                    |
| 9                                                   | 15780.00    | 52.5 PK                 | 74.0           | -21.5       | 2.10 H             | 138                  | 37.68            | 14.82                    |
| 10                                                  | 15780.00    | 39.9 AV                 | 54.0           | -14.1       | 2.10 H             | 138                  | 25.08            | 14.82                    |
| 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                                                   | 5100.00     | 59.0 PK                 | 74.0           | -15.0       | 1.07 V             | 323                  | 56.68            | 2.32                     |
| 2                                                   | 5100.00     | 49.7 AV                 | 54.0           | -4.3        | 1.07 V             | 323                  | 47.38            | 2.32                     |
| 3                                                   | *5260.00    | 117.9 PK                |                |             | 2.27 V             | 285                  | 115.36           | 2.54                     |
| 4                                                   | *5260.00    | 108.1 AV                |                |             | 2.27 V             | 285                  | 105.56           | 2.54                     |
| 5                                                   | 5420.00     | 62.1 PK                 | 74.0           | -11.9       | 1.03 V             | 300                  | 59.37            | 2.73                     |
| 6                                                   | 5420.00     | 52.0 AV                 | 54.0           | -2.0        | 1.03 V             | 300                  | 49.27            | 2.73                     |
| 7                                                   | #10520.00   | 51.2 PK                 | 74.0           | -22.8       | 2.51 V             | 164                  | 38.80            | 12.40                    |
| 8                                                   | #10520.00   | 38.8 AV                 | 54.0           | -15.2       | 2.51 V             | 164                  | 26.40            | 12.40                    |
| 9                                                   | 15780.00    | 53.3 PK                 | 74.0           | -20.7       | 2.44 V             | 279                  | 38.48            | 14.82                    |
| 10                                                  | 15780.00    | 41.1 AV                 | 54.0           | -12.9       | 2.44 V             | 279                  | 26.28            | 14.82                    |

**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 60 | 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   | 5140.00        | 49.9 PK                       | 74.0              | -24.1          | 1.17 H                   | 360                        | 47.53                  | 2.37                           |
| 2   | 5140.00        | 40.4 AV                       | 54.0              | -13.6          | 1.17 H                   | 360                        | 38.03                  | 2.37                           |
| 3   | *5300.00       | 107.0 PK                      |                   |                | 1.21 H                   | 351                        | 104.39                 | 2.61                           |
| 4   | *5300.00       | 96.7 AV                       |                   |                | 1.21 H                   | 351                        | 94.09                  | 2.61                           |
| 5   | 5460.00        | 50.9 PK                       | 74.0              | -23.1          | 1.14 H                   | 360                        | 48.12                  | 2.78                           |
| 6   | 5460.00        | 41.1 AV                       | 54.0              | -12.9          | 1.14 H                   | 360                        | 38.32                  | 2.78                           |
| 7   | 10600.00       | 50.1 PK                       | 74.0              | -23.9          | 1.96 H                   | 114                        | 37.24                  | 12.86                          |
| 8   | 10600.00       | 37.7 AV                       | 54.0              | -16.3          | 1.96 H                   | 114                        | 24.84                  | 12.86                          |
| 9   | 15900.00       | 51.9 PK                       | 74.0              | -22.1          | 2.14 H                   | 144                        | 37.03                  | 14.87                          |
| 10  | 15900.00       | 39.4 AV                       | 54.0              | -14.6          | 2.14 H                   | 144                        | 24.53                  | 14.87                          |

**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   | 5140.00        | 59.8 PK                       | 74.0              | -14.2          | 1.00 V                   | 317                        | 57.43                  | 2.37                           |
| 2   | 5140.00        | 50.3 AV                       | 54.0              | -3.7           | 1.00 V                   | 317                        | 47.93                  | 2.37                           |
| 3   | *5300.00       | 117.2 PK                      |                   |                | 2.01 V                   | 315                        | 114.59                 | 2.61                           |
| 4   | *5300.00       | 107.1 AV                      |                   |                | 2.01 V                   | 315                        | 104.49                 | 2.61                           |
| 5   | 5460.00        | 61.3 PK                       | 74.0              | -12.7          | 1.00 V                   | 65                         | 58.52                  | 2.78                           |
| 6   | 5460.00        | 51.5 AV                       | 54.0              | -2.5           | 1.00 V                   | 65                         | 48.72                  | 2.78                           |
| 7   | 10600.00       | 50.7 PK                       | 74.0              | -23.3          | 2.41 V                   | 162                        | 37.84                  | 12.86                          |
| 8   | 10600.00       | 38.0 AV                       | 54.0              | -16.0          | 2.41 V                   | 162                        | 25.14                  | 12.86                          |
| 9   | 15900.00       | 53.3 PK                       | 74.0              | -20.7          | 2.46 V                   | 297                        | 38.43                  | 14.87                          |
| 10  | 15900.00       | 40.7 AV                       | 54.0              | -13.3          | 2.46 V                   | 297                        | 25.83                  | 14.87                          |

**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.

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 64 | 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   | *5320.00       | 107.2 PK                      |                   |                | 1.23 H                   | 351                        | 104.57                 | 2.63                           |
| 2   | *5320.00       | 96.2 AV                       |                   |                | 1.23 H                   | 351                        | 93.57                  | 2.63                           |
| 3   | 5350.00        | 61.0 PK                       | 74.0              | -13.0          | 1.12 H                   | 349                        | 58.35                  | 2.65                           |
| 4   | 5350.00        | 43.6 AV                       | 54.0              | -10.4          | 1.12 H                   | 349                        | 40.95                  | 2.65                           |
| 5   | 10640.00       | 49.5 PK                       | 74.0              | -24.5          | 1.95 H                   | 127                        | 36.62                  | 12.88                          |
| 6   | 10640.00       | 36.7 AV                       | 54.0              | -17.3          | 1.95 H                   | 127                        | 23.82                  | 12.88                          |
| 7   | 15960.00       | 52.2 PK                       | 74.0              | -21.8          | 2.16 H                   | 158                        | 37.27                  | 14.93                          |
| 8   | 15960.00       | 39.7 AV                       | 54.0              | -14.3          | 2.16 H                   | 158                        | 24.77                  | 14.93                          |

**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       | 117.4 PK                      |                   |                | 2.19 V                   | 283                        | 114.77                 | 2.63                           |
| 2   | *5320.00       | 106.5 AV                      |                   |                | 2.19 V                   | 283                        | 103.87                 | 2.63                           |
| 3   | 5350.00        | 70.5 PK                       | 74.0              | -3.5           | 2.27 V                   | 73                         | 67.85                  | 2.65                           |
| 4   | 5350.00        | 53.2 AV                       | 54.0              | -0.8           | 2.27 V                   | 73                         | 50.55                  | 2.65                           |
| 5   | 10640.00       | 51.1 PK                       | 74.0              | -22.9          | 2.49 V                   | 138                        | 38.22                  | 12.88                          |
| 6   | 10640.00       | 38.4 AV                       | 54.0              | -15.6          | 2.49 V                   | 138                        | 25.52                  | 12.88                          |
| 7   | 15960.00       | 52.8 PK                       | 74.0              | -21.2          | 2.37 V                   | 289                        | 37.87                  | 14.93                          |
| 8   | 15960.00       | 40.6 AV                       | 54.0              | -13.4          | 2.37 V                   | 289                        | 25.67                  | 14.93                          |

**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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 100 | 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   | #5470.00       | 61.5 PK                       | 74.0              | -12.5          | 1.22 H                   | 345                        | 58.71                  | 2.79                           |
| 2   | #5470.00       | 43.7 AV                       | 54.0              | -10.3          | 1.22 H                   | 345                        | 40.91                  | 2.79                           |
| 3   | *5500.00       | 106.6 PK                      |                   |                | 1.17 H                   | 360                        | 103.77                 | 2.83                           |
| 4   | *5500.00       | 95.7 AV                       |                   |                | 1.17 H                   | 360                        | 92.87                  | 2.83                           |
| 5   | #5735.00       | 51.6 PK                       | 74.0              | -22.4          | 1.18 H                   | 360                        | 48.23                  | 3.37                           |
| 6   | #5735.00       | 41.8 AV                       | 54.0              | -12.2          | 1.18 H                   | 360                        | 38.43                  | 3.37                           |
| 7   | 11000.00       | 49.8 PK                       | 74.0              | -24.2          | 1.99 H                   | 125                        | 36.16                  | 13.64                          |
| 8   | 11000.00       | 37.2 AV                       | 54.0              | -16.8          | 1.99 H                   | 125                        | 23.56                  | 13.64                          |
| 9   | #16500.00      | 52.3 PK                       | 74.0              | -21.7          | 2.08 H                   | 149                        | 33.66                  | 18.64                          |
| 10  | #16500.00      | 39.6 AV                       | 54.0              | -14.4          | 2.08 H                   | 149                        | 20.96                  | 18.64                          |

**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       | 71.1 PK                       | 74.0              | -2.9           | 2.25 V                   | 302                        | 68.31                  | 2.79                           |
| 2   | #5470.00       | 53.2 AV                       | 54.0              | -0.8           | 2.25 V                   | 302                        | 50.41                  | 2.79                           |
| 3   | *5500.00       | 116.7 PK                      |                   |                | 1.02 V                   | 62                         | 113.87                 | 2.83                           |
| 4   | *5500.00       | 106.0 AV                      |                   |                | 1.02 V                   | 62                         | 103.17                 | 2.83                           |
| 5   | #5735.00       | 61.6 PK                       | 74.0              | -12.4          | 1.28 V                   | 67                         | 58.23                  | 3.37                           |
| 6   | #5735.00       | 51.7 AV                       | 54.0              | -2.3           | 1.28 V                   | 67                         | 48.33                  | 3.37                           |
| 7   | 11000.00       | 50.5 PK                       | 74.0              | -23.5          | 2.45 V                   | 153                        | 36.86                  | 13.64                          |
| 8   | 11000.00       | 38.0 AV                       | 54.0              | -16.0          | 2.45 V                   | 153                        | 24.36                  | 13.64                          |
| 9   | #16500.00      | 53.6 PK                       | 74.0              | -20.4          | 2.41 V                   | 300                        | 34.96                  | 18.64                          |
| 10  | #16500.00      | 41.1 AV                       | 54.0              | -12.9          | 2.41 V                   | 300                        | 22.46                  | 18.64                          |

**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   | 5420.00        | 54.1 PK                       | 74.0              | -19.9          | 1.13 H                   | 342                        | 51.37                  | 2.73                           |
| 2   | 5420.00        | 43.8 AV                       | 54.0              | -10.2          | 1.13 H                   | 342                        | 41.07                  | 2.73                           |
| 3   | *5580.00       | 107.3 PK                      |                   |                | 1.22 H                   | 347                        | 104.24                 | 3.06                           |
| 4   | *5580.00       | 96.7 AV                       |                   |                | 1.22 H                   | 347                        | 93.64                  | 3.06                           |
| 5   | #5740.00       | 53.0 PK                       | 74.0              | -21.0          | 1.17 H                   | 360                        | 49.63                  | 3.37                           |
| 6   | #5740.00       | 43.4 AV                       | 54.0              | -10.6          | 1.17 H                   | 360                        | 40.03                  | 3.37                           |
| 7   | 11160.00       | 50.0 PK                       | 74.0              | -24.0          | 2.00 H                   | 135                        | 36.38                  | 13.62                          |
| 8   | 11160.00       | 37.2 AV                       | 54.0              | -16.8          | 2.00 H                   | 135                        | 23.58                  | 13.62                          |
| 9   | #16740.00      | 52.6 PK                       | 74.0              | -21.4          | 2.18 H                   | 130                        | 33.01                  | 19.59                          |
| 10  | #16740.00      | 39.8 AV                       | 54.0              | -14.2          | 2.18 H                   | 130                        | 20.21                  | 19.59                          |

**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   | 5420.00        | 64.4 PK                       | 74.0              | -9.6           | 1.00 V                   | 312                        | 61.67                  | 2.73                           |
| 2   | 5420.00        | 53.9 AV                       | 54.0              | -0.1           | 1.00 V                   | 312                        | 51.17                  | 2.73                           |
| 3   | *5580.00       | 117.4 PK                      |                   |                | 1.02 V                   | 62                         | 114.34                 | 3.06                           |
| 4   | *5580.00       | 106.6 AV                      |                   |                | 1.02 V                   | 62                         | 103.54                 | 3.06                           |
| 5   | #5740.00       | 63.3 PK                       | 74.0              | -10.7          | 1.00 V                   | 75                         | 59.93                  | 3.37                           |
| 6   | #5740.00       | 53.8 AV                       | 54.0              | -0.2           | 1.00 V                   | 75                         | 50.43                  | 3.37                           |
| 7   | 11160.00       | 50.5 PK                       | 74.0              | -23.5          | 2.41 V                   | 151                        | 36.88                  | 13.62                          |
| 8   | 11160.00       | 38.2 AV                       | 54.0              | -15.8          | 2.41 V                   | 151                        | 24.58                  | 13.62                          |
| 9   | #16740.00      | 53.4 PK                       | 74.0              | -20.6          | 2.42 V                   | 296                        | 33.81                  | 19.59                          |
| 10  | #16740.00      | 40.9 AV                       | 54.0              | -13.1          | 2.42 V                   | 296                        | 21.31                  | 19.59                          |

**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       | 103.6 PK                      |                   |                | 1.15 H                   | 352                        | 100.28                 | 3.32                           |
| 2   | *5700.00       | 93.8 AV                       |                   |                | 1.15 H                   | 352                        | 90.48                  | 3.32                           |
| 3   | #5725.00       | 62.0 PK                       | 74.0              | -12.0          | 1.19 H                   | 360                        | 58.64                  | 3.36                           |
| 4   | #5725.00       | 43.6 AV                       | 54.0              | -10.4          | 1.19 H                   | 360                        | 40.24                  | 3.36                           |
| 5   | #5780.00       | 54.0 PK                       | 74.0              | -20.0          | 1.20 H                   | 341                        | 50.58                  | 3.42                           |
| 6   | #5780.00       | 42.4 AV                       | 54.0              | -11.6          | 1.20 H                   | 341                        | 38.98                  | 3.42                           |
| 7   | 11400.00       | 49.9 PK                       | 74.0              | -24.1          | 1.92 H                   | 120                        | 36.29                  | 13.61                          |
| 8   | 11400.00       | 37.3 AV                       | 54.0              | -16.7          | 1.92 H                   | 120                        | 23.69                  | 13.61                          |
| 9   | #17100.00      | 52.4 PK                       | 74.0              | -21.6          | 2.14 H                   | 150                        | 31.50                  | 20.90                          |
| 10  | #17100.00      | 39.9 AV                       | 54.0              | -14.1          | 2.14 H                   | 150                        | 19.00                  | 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   | *5700.00       | 113.6 PK                      |                   |                | 1.08 V                   | 62                         | 110.28                 | 3.32                           |
| 2   | *5700.00       | 104.0 AV                      |                   |                | 1.08 V                   | 62                         | 100.68                 | 3.32                           |
| 3   | #5725.00       | 72.2 PK                       | 74.0              | -1.8           | 1.07 V                   | 73                         | 68.84                  | 3.36                           |
| 4   | #5725.00       | 53.6 AV                       | 54.0              | -0.4           | 1.07 V                   | 73                         | 50.24                  | 3.36                           |
| 5   | #5780.00       | 63.3 PK                       | 74.0              | -10.7          | 1.01 V                   | 49                         | 59.88                  | 3.42                           |
| 6   | #5780.00       | 52.0 AV                       | 54.0              | -2.0           | 1.01 V                   | 49                         | 48.58                  | 3.42                           |
| 7   | 11400.00       | 51.1 PK                       | 74.0              | -22.9          | 2.42 V                   | 164                        | 37.49                  | 13.61                          |
| 8   | 11400.00       | 38.7 AV                       | 54.0              | -15.3          | 2.42 V                   | 164                        | 25.09                  | 13.61                          |
| 9   | #17100.00      | 52.9 PK                       | 74.0              | -21.1          | 2.42 V                   | 286                        | 32.00                  | 20.90                          |
| 10  | #17100.00      | 40.8 AV                       | 54.0              | -13.2          | 2.42 V                   | 286                        | 19.90                  | 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 144 | <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   | *5720.00       | 107.9 PK                      |                   |                | 1.20 H                   | 355                        | 104.55                 | 3.35                           |
| 2   | *5720.00       | 98.0 AV                       |                   |                | 1.20 H                   | 355                        | 94.65                  | 3.35                           |
| 3   | #5880.00       | 53.8 PK                       | 68.2              | -14.4          | 1.14 H                   | 360                        | 50.28                  | 3.52                           |
| 4   | 11440.00       | 50.1 PK                       | 74.0              | -23.9          | 2.02 H                   | 130                        | 36.54                  | 13.56                          |
| 5   | 11440.00       | 37.2 AV                       | 54.0              | -16.8          | 2.02 H                   | 130                        | 23.64                  | 13.56                          |
| 6   | #17160.00      | 51.6 PK                       | 68.2              | -16.6          | 2.11 H                   | 148                        | 30.82                  | 20.78                          |

**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   | *5720.00       | 117.9 PK                      |                   |                | 1.08 V                   | 63                         | 114.55                 | 3.35                           |
| 2   | *5720.00       | 107.9 AV                      |                   |                | 1.08 V                   | 63                         | 104.55                 | 3.35                           |
| 3   | #5880.00       | 63.7 PK                       | 68.2              | -4.5           | 1.07 V                   | 88                         | 60.18                  | 3.52                           |
| 4   | 11440.00       | 51.5 PK                       | 74.0              | -22.5          | 2.45 V                   | 153                        | 37.94                  | 13.56                          |
| 5   | 11440.00       | 38.8 AV                       | 54.0              | -15.2          | 2.45 V                   | 153                        | 25.24                  | 13.56                          |
| 6   | #17160.00      | 53.2 PK                       | 68.2              | -15.0          | 2.49 V                   | 302                        | 32.42                  | 20.78                          |

**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 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                                                   | 5100.00        | 50.9 PK                       | 74.0              | -23.1          | 1.22 H                   | 359                        | 48.58                  | 2.32                           |
| 2                                                   | 5100.00        | 40.9 AV                       | 54.0              | -13.1          | 1.22 H                   | 359                        | 38.58                  | 2.32                           |
| 3                                                   | *5260.00       | 106.8 PK                      |                   |                | 1.19 H                   | 340                        | 104.26                 | 2.54                           |
| 4                                                   | *5260.00       | 97.4 AV                       |                   |                | 1.19 H                   | 340                        | 94.86                  | 2.54                           |
| 5                                                   | 5420.00        | 51.3 PK                       | 74.0              | -22.7          | 1.13 H                   | 345                        | 48.57                  | 2.73                           |
| 6                                                   | 5420.00        | 41.2 AV                       | 54.0              | -12.8          | 1.13 H                   | 345                        | 38.47                  | 2.73                           |
| 7                                                   | #10520.00      | 50.2 PK                       | 74.0              | -23.8          | 2.04 H                   | 125                        | 37.80                  | 12.40                          |
| 8                                                   | #10520.00      | 37.6 AV                       | 54.0              | -16.4          | 2.04 H                   | 125                        | 25.20                  | 12.40                          |
| 9                                                   | 15780.00       | 52.0 PK                       | 74.0              | -22.0          | 2.08 H                   | 132                        | 37.18                  | 14.82                          |
| 10                                                  | 15780.00       | 39.3 AV                       | 54.0              | -14.7          | 2.08 H                   | 132                        | 24.48                  | 14.82                          |
| 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                                                   | 5100.00        | 60.1 PK                       | 74.0              | -13.9          | 1.01 V                   | 306                        | 57.78                  | 2.32                           |
| 2                                                   | 5100.00        | 50.4 AV                       | 54.0              | -3.6           | 1.01 V                   | 306                        | 48.08                  | 2.32                           |
| 3                                                   | *5260.00       | 116.7 PK                      |                   |                | 1.03 V                   | 296                        | 114.16                 | 2.54                           |
| 4                                                   | *5260.00       | 107.3 AV                      |                   |                | 1.03 V                   | 296                        | 104.76                 | 2.54                           |
| 5                                                   | 5420.00        | 61.2 PK                       | 74.0              | -12.8          | 1.08 V                   | 303                        | 58.47                  | 2.73                           |
| 6                                                   | 5420.00        | 51.4 AV                       | 54.0              | -2.6           | 1.08 V                   | 303                        | 48.67                  | 2.73                           |
| 7                                                   | #10520.00      | 50.8 PK                       | 74.0              | -23.2          | 2.51 V                   | 136                        | 38.40                  | 12.40                          |
| 8                                                   | #10520.00      | 38.2 AV                       | 54.0              | -15.8          | 2.51 V                   | 136                        | 25.80                  | 12.40                          |
| 9                                                   | 15780.00       | 52.7 PK                       | 74.0              | -21.3          | 2.39 V                   | 293                        | 37.88                  | 14.82                          |
| 10                                                  | 15780.00       | 40.4 AV                       | 54.0              | -13.6          | 2.39 V                   | 293                        | 25.58                  | 14.82                          |

## 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   | 5140.00        | 50.4 PK                       | 74.0              | -23.6          | 1.14 H                   | 360                        | 48.03                  | 2.37                           |
| 2   | 5140.00        | 40.7 AV                       | 54.0              | -13.3          | 1.14 H                   | 360                        | 38.33                  | 2.37                           |
| 3   | *5300.00       | 106.2 PK                      |                   |                | 1.23 H                   | 360                        | 103.59                 | 2.61                           |
| 4   | *5300.00       | 97.0 AV                       |                   |                | 1.23 H                   | 360                        | 94.39                  | 2.61                           |
| 5   | 5460.00        | 51.4 PK                       | 74.0              | -22.6          | 1.21 H                   | 354                        | 48.62                  | 2.78                           |
| 6   | 5460.00        | 41.4 AV                       | 54.0              | -12.6          | 1.21 H                   | 354                        | 38.62                  | 2.78                           |
| 7   | 10600.00       | 49.4 PK                       | 74.0              | -24.6          | 1.99 H                   | 132                        | 36.54                  | 12.86                          |
| 8   | 10600.00       | 36.7 AV                       | 54.0              | -17.3          | 1.99 H                   | 132                        | 23.84                  | 12.86                          |
| 9   | 15900.00       | 51.7 PK                       | 74.0              | -22.3          | 2.14 H                   | 134                        | 36.83                  | 14.87                          |
| 10  | 15900.00       | 39.1 AV                       | 54.0              | -14.9          | 2.14 H                   | 134                        | 24.23                  | 14.87                          |

**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   | 5140.00        | 60.6 PK                       | 74.0              | -13.4          | 1.04 V                   | 318                        | 58.23                  | 2.37                           |
| 2   | 5140.00        | 50.8 AV                       | 54.0              | -3.2           | 1.04 V                   | 318                        | 48.43                  | 2.37                           |
| 3   | *5300.00       | 116.7 PK                      |                   |                | 1.02 V                   | 290                        | 114.09                 | 2.61                           |
| 4   | *5300.00       | 107.4 AV                      |                   |                | 1.02 V                   | 290                        | 104.79                 | 2.61                           |
| 5   | 5460.00        | 61.4 PK                       | 74.0              | -12.6          | 1.03 V                   | 308                        | 58.62                  | 2.78                           |
| 6   | 5460.00        | 51.5 AV                       | 54.0              | -2.5           | 1.03 V                   | 308                        | 48.72                  | 2.78                           |
| 7   | 10600.00       | 51.2 PK                       | 74.0              | -22.8          | 2.52 V                   | 152                        | 38.34                  | 12.86                          |
| 8   | 10600.00       | 38.5 AV                       | 54.0              | -15.5          | 2.52 V                   | 152                        | 25.64                  | 12.86                          |
| 9   | 15900.00       | 53.4 PK                       | 74.0              | -20.6          | 2.40 V                   | 295                        | 38.53                  | 14.87                          |
| 10  | 15900.00       | 41.0 AV                       | 54.0              | -13.0          | 2.40 V                   | 295                        | 26.13                  | 14.87                          |

**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       | 105.6 PK                      |                   |                | 1.11 H                   | 360                        | 102.97                 | 2.63                           |
| 2   | *5320.00       | 95.1 AV                       |                   |                | 1.11 H                   | 360                        | 92.47                  | 2.63                           |
| 3   | 5350.00        | 62.4 PK                       | 74.0              | -11.6          | 1.15 H                   | 360                        | 59.75                  | 2.65                           |
| 4   | 5350.00        | 43.5 AV                       | 54.0              | -10.5          | 1.15 H                   | 360                        | 40.85                  | 2.65                           |
| 5   | #5480.00       | 51.7 PK                       | 74.0              | -22.3          | 1.22 H                   | 347                        | 48.90                  | 2.80                           |
| 6   | #5480.00       | 41.3 AV                       | 54.0              | -12.7          | 1.22 H                   | 347                        | 38.50                  | 2.80                           |
| 7   | 10640.00       | 50.4 PK                       | 74.0              | -23.6          | 2.03 H                   | 127                        | 37.52                  | 12.88                          |
| 8   | 10640.00       | 37.6 AV                       | 54.0              | -16.4          | 2.03 H                   | 127                        | 24.72                  | 12.88                          |
| 9   | 15960.00       | 51.6 PK                       | 74.0              | -22.4          | 2.15 H                   | 142                        | 36.67                  | 14.93                          |
| 10  | 15960.00       | 39.2 AV                       | 54.0              | -14.8          | 2.15 H                   | 142                        | 24.27                  | 14.93                          |

**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       | 115.9 PK                      |                   |                | 1.00 V                   | 290                        | 113.27                 | 2.63                           |
| 2   | *5320.00       | 105.2 AV                      |                   |                | 1.00 V                   | 290                        | 102.57                 | 2.63                           |
| 3   | 5350.00        | 72.4 PK                       | 74.0              | -1.6           | 1.02 V                   | 293                        | 69.75                  | 2.65                           |
| 4   | 5350.00        | 53.4 AV                       | 54.0              | -0.6           | 1.02 V                   | 293                        | 50.75                  | 2.65                           |
| 5   | #5480.00       | 61.8 PK                       | 74.0              | -12.2          | 1.05 V                   | 332                        | 59.00                  | 2.80                           |
| 6   | #5480.00       | 51.1 AV                       | 54.0              | -2.9           | 1.05 V                   | 332                        | 48.30                  | 2.80                           |
| 7   | 10640.00       | 51.1 PK                       | 74.0              | -22.9          | 2.43 V                   | 145                        | 38.22                  | 12.88                          |
| 8   | 10640.00       | 38.8 AV                       | 54.0              | -15.2          | 2.43 V                   | 145                        | 25.92                  | 12.88                          |
| 9   | 15960.00       | 53.7 PK                       | 74.0              | -20.3          | 2.40 V                   | 289                        | 38.77                  | 14.93                          |
| 10  | 15960.00       | 41.1 AV                       | 54.0              | -12.9          | 2.40 V                   | 289                        | 26.17                  | 14.93                          |

**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 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   | 5420.00        | 51.1 PK                       | 74.0              | -22.9          | 1.18 H                   | 355                        | 48.37                  | 2.73                           |
| 2   | 5420.00        | 38.5 AV                       | 54.0              | -15.5          | 1.18 H                   | 355                        | 35.77                  | 2.73                           |
| 3   | #5470.00       | 62.8 PK                       | 74.0              | -11.2          | 1.15 H                   | 358                        | 60.01                  | 2.79                           |
| 4   | #5470.00       | 43.1 AV                       | 54.0              | -10.9          | 1.15 H                   | 358                        | 40.31                  | 2.79                           |
| 5   | *5500.00       | 104.7 PK                      |                   |                | 1.12 H                   | 343                        | 101.87                 | 2.83                           |
| 6   | *5500.00       | 94.9 AV                       |                   |                | 1.12 H                   | 343                        | 92.07                  | 2.83                           |
| 7   | #5730.00       | 55.0 PK                       | 74.0              | -19.0          | 1.20 H                   | 360                        | 51.65                  | 3.35                           |
| 8   | #5730.00       | 43.6 AV                       | 54.0              | -10.4          | 1.20 H                   | 360                        | 40.25                  | 3.35                           |
| 9   | 11000.00       | 49.5 PK                       | 74.0              | -24.5          | 2.02 H                   | 133                        | 35.86                  | 13.64                          |
| 10  | 11000.00       | 37.1 AV                       | 54.0              | -16.9          | 2.02 H                   | 133                        | 23.46                  | 13.64                          |
| 11  | #16500.00      | 51.9 PK                       | 74.0              | -22.1          | 2.16 H                   | 144                        | 33.26                  | 18.64                          |
| 12  | #16500.00      | 39.4 AV                       | 54.0              | -14.6          | 2.16 H                   | 144                        | 20.76                  | 18.64                          |

**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   | 5420.00        | 61.4 PK                       | 74.0              | -12.6          | 1.03 V                   | 329                        | 58.67                  | 2.73                           |
| 2   | 5420.00        | 48.9 AV                       | 54.0              | -5.1           | 1.03 V                   | 329                        | 46.17                  | 2.73                           |
| 3   | #5470.00       | 72.4 PK                       | 74.0              | -1.6           | 1.08 V                   | 324                        | 69.61                  | 2.79                           |
| 4   | #5470.00       | 52.9 AV                       | 54.0              | -1.1           | 1.08 V                   | 324                        | 50.11                  | 2.79                           |
| 5   | *5500.00       | 115.5 PK                      |                   |                | 1.01 V                   | 345                        | 112.67                 | 2.83                           |
| 6   | *5500.00       | 105.4 AV                      |                   |                | 1.01 V                   | 345                        | 102.57                 | 2.83                           |
| 7   | #5730.00       | 65.0 PK                       | 74.0              | -9.0           | 1.09 V                   | 340                        | 61.65                  | 3.35                           |
| 8   | #5730.00       | 53.9 AV                       | 54.0              | -0.1           | 1.09 V                   | 340                        | 50.55                  | 3.35                           |
| 9   | 11000.00       | 51.1 PK                       | 74.0              | -22.9          | 2.51 V                   | 142                        | 37.46                  | 13.64                          |
| 10  | 11000.00       | 38.7 AV                       | 54.0              | -15.3          | 2.51 V                   | 142                        | 25.06                  | 13.64                          |
| 11  | #16500.00      | 53.4 PK                       | 74.0              | -20.6          | 2.41 V                   | 291                        | 34.76                  | 18.64                          |
| 12  | #16500.00      | 40.9 AV                       | 54.0              | -13.1          | 2.41 V                   | 291                        | 22.26                  | 18.64                          |

**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   | 5420.00        | 52.6 PK                       | 74.0              | -21.4          | 1.18 H                   | 360                        | 49.87                  | 2.73                           |
| 2   | 5420.00        | 43.4 AV                       | 54.0              | -10.6          | 1.18 H                   | 360                        | 40.67                  | 2.73                           |
| 3   | *5580.00       | 104.9 PK                      |                   |                | 1.21 H                   | 360                        | 101.84                 | 3.06                           |
| 4   | *5580.00       | 94.6 AV                       |                   |                | 1.21 H                   | 360                        | 91.54                  | 3.06                           |
| 5   | #5740.00       | 51.8 PK                       | 74.0              | -22.2          | 1.20 H                   | 359                        | 48.43                  | 3.37                           |
| 6   | #5740.00       | 43.0 AV                       | 54.0              | -11.0          | 1.20 H                   | 359                        | 39.63                  | 3.37                           |
| 7   | 11160.00       | 50.0 PK                       | 74.0              | -24.0          | 1.94 H                   | 138                        | 36.38                  | 13.62                          |
| 8   | 11160.00       | 37.3 AV                       | 54.0              | -16.7          | 1.94 H                   | 138                        | 23.68                  | 13.62                          |
| 9   | #16740.00      | 52.2 PK                       | 74.0              | -21.8          | 2.16 H                   | 157                        | 32.61                  | 19.59                          |
| 10  | #16740.00      | 39.5 AV                       | 54.0              | -14.5          | 2.16 H                   | 157                        | 19.91                  | 19.59                          |

**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   | 5420.00        | 63.1 PK                       | 74.0              | -10.9          | 1.06 V                   | 332                        | 60.37                  | 2.73                           |
| 2   | 5420.00        | 53.8 AV                       | 54.0              | -0.2           | 1.06 V                   | 332                        | 51.07                  | 2.73                           |
| 3   | *5580.00       | 115.2 PK                      |                   |                | 1.12 V                   | 335                        | 112.14                 | 3.06                           |
| 4   | *5580.00       | 105.0 AV                      |                   |                | 1.12 V                   | 335                        | 101.94                 | 3.06                           |
| 5   | #5740.00       | 61.1 PK                       | 74.0              | -12.9          | 1.06 V                   | 330                        | 57.73                  | 3.37                           |
| 6   | #5740.00       | 52.6 AV                       | 54.0              | -1.4           | 1.06 V                   | 330                        | 49.23                  | 3.37                           |
| 7   | 11160.00       | 51.4 PK                       | 74.0              | -22.6          | 2.41 V                   | 151                        | 37.78                  | 13.62                          |
| 8   | 11160.00       | 38.8 AV                       | 54.0              | -15.2          | 2.41 V                   | 151                        | 25.18                  | 13.62                          |
| 9   | #16740.00      | 53.2 PK                       | 74.0              | -20.8          | 2.38 V                   | 284                        | 33.61                  | 19.59                          |
| 10  | #16740.00      | 40.9 AV                       | 54.0              | -13.1          | 2.38 V                   | 284                        | 21.31                  | 19.59                          |

**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   | 5460.00        | 53.6 PK                       | 74.0              | -20.4          | 1.17 H                   | 360                        | 50.82                  | 2.78                           |
| 2   | 5460.00        | 43.1 AV                       | 54.0              | -10.9          | 1.17 H                   | 360                        | 40.32                  | 2.78                           |
| 3   | *5700.00       | 105.9 PK                      |                   |                | 1.20 H                   | 356                        | 102.58                 | 3.32                           |
| 4   | *5700.00       | 95.1 AV                       |                   |                | 1.20 H                   | 356                        | 91.78                  | 3.32                           |
| 5   | #5725.00       | 59.6 PK                       | 74.0              | -14.4          | 1.20 H                   | 338                        | 56.24                  | 3.36                           |
| 6   | #5725.00       | 43.7 AV                       | 54.0              | -10.3          | 1.20 H                   | 338                        | 40.34                  | 3.36                           |
| 7   | 11400.00       | 49.9 PK                       | 74.0              | -24.1          | 1.98 H                   | 139                        | 36.29                  | 13.61                          |
| 8   | 11400.00       | 37.4 AV                       | 54.0              | -16.6          | 1.98 H                   | 139                        | 23.79                  | 13.61                          |
| 9   | #17100.00      | 52.1 PK                       | 74.0              | -21.9          | 2.18 H                   | 150                        | 31.20                  | 20.90                          |
| 10  | #17100.00      | 39.3 AV                       | 54.0              | -14.7          | 2.18 H                   | 150                        | 18.40                  | 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   | 5460.00        | 63.5 PK                       | 74.0              | -10.5          | 1.06 V                   | 323                        | 60.72                  | 2.78                           |
| 2   | 5460.00        | 53.0 AV                       | 54.0              | -1.0           | 1.06 V                   | 323                        | 50.22                  | 2.78                           |
| 3   | *5700.00       | 115.7 PK                      |                   |                | 1.05 V                   | 330                        | 112.38                 | 3.32                           |
| 4   | *5700.00       | 104.8 AV                      |                   |                | 1.05 V                   | 330                        | 101.48                 | 3.32                           |
| 5   | #5725.00       | 69.0 PK                       | 74.0              | -5.0           | 1.03 V                   | 338                        | 65.64                  | 3.36                           |
| 6   | #5725.00       | 53.3 AV                       | 54.0              | -0.7           | 1.03 V                   | 338                        | 49.94                  | 3.36                           |
| 7   | 11400.00       | 50.7 PK                       | 74.0              | -23.3          | 2.51 V                   | 150                        | 37.09                  | 13.61                          |
| 8   | 11400.00       | 38.3 AV                       | 54.0              | -15.7          | 2.51 V                   | 150                        | 24.69                  | 13.61                          |
| 9   | #17100.00      | 52.5 PK                       | 74.0              | -21.5          | 2.37 V                   | 286                        | 31.60                  | 20.90                          |
| 10  | #17100.00      | 40.4 AV                       | 54.0              | -13.6          | 2.37 V                   | 286                        | 19.50                  | 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 144 | <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                                                   | *5720.00       | 108.1 PK                      |                   |                | 1.16 H                   | 359                        | 104.75                 | 3.35                           |
| 2                                                   | *5720.00       | 98.1 AV                       |                   |                | 1.16 H                   | 359                        | 94.75                  | 3.35                           |
| 3                                                   | #5880.00       | 53.7 PK                       | 68.2              | -14.5          | 1.11 H                   | 360                        | 50.18                  | 3.52                           |
| 4                                                   | 11440.00       | 49.9 PK                       | 74.0              | -24.1          | 1.96 H                   | 115                        | 36.34                  | 13.56                          |
| 5                                                   | 11440.00       | 37.2 AV                       | 54.0              | -16.8          | 1.96 H                   | 115                        | 23.64                  | 13.56                          |
| 6                                                   | #17160.00      | 51.7 PK                       | 68.2              | -16.5          | 2.10 H                   | 161                        | 30.92                  | 20.78                          |
| 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                                                   | *5720.00       | 118.0 PK                      |                   |                | 1.05 V                   | 76                         | 114.65                 | 3.35                           |
| 2                                                   | *5720.00       | 108.2 AV                      |                   |                | 1.05 V                   | 76                         | 104.85                 | 3.35                           |
| 3                                                   | #5880.00       | 63.4 PK                       | 68.2              | -4.8           | 1.15 V                   | 58                         | 59.88                  | 3.52                           |
| 4                                                   | 11440.00       | 51.3 PK                       | 74.0              | -22.7          | 2.40 V                   | 146                        | 37.74                  | 13.56                          |
| 5                                                   | 11440.00       | 38.5 AV                       | 54.0              | -15.5          | 2.40 V                   | 146                        | 24.94                  | 13.56                          |
| 6                                                   | #17160.00      | 52.8 PK                       | 68.2              | -15.4          | 2.47 V                   | 285                        | 32.02                  | 20.78                          |

**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**

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

| <b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b> |                |                               |                   |                |                          |                            |                        |                                |
|----------------------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 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                                                              | 5110.00        | 50.6 PK                       | 74.0              | -23.4          | 1.21 H                   | 345                        | 48.28                  | 2.32                           |
| 2                                                              | 5110.00        | 40.9 AV                       | 54.0              | -13.1          | 1.21 H                   | 345                        | 38.58                  | 2.32                           |
| 3                                                              | *5270.00       | 104.1 PK                      |                   |                | 1.17 H                   | 344                        | 101.54                 | 2.56                           |
| 4                                                              | *5270.00       | 93.7 AV                       |                   |                | 1.17 H                   | 344                        | 91.14                  | 2.56                           |
| 5                                                              | 5350.00        | 58.8 PK                       | 74.0              | -15.2          | 1.12 H                   | 348                        | 56.15                  | 2.65                           |
| 6                                                              | 5350.00        | 43.6 AV                       | 54.0              | -10.4          | 1.12 H                   | 348                        | 40.95                  | 2.65                           |
| 7                                                              | #5855.00       | 46.1 PK                       | 74.0              | -27.9          | 1.22 H                   | 343                        | 42.61                  | 3.49                           |
| 8                                                              | #5855.00       | 40.1 AV                       | 54.0              | -13.9          | 1.22 H                   | 343                        | 36.61                  | 3.49                           |
| 9                                                              | #10540.00      | 50.1 PK                       | 74.0              | -23.9          | 2.02 H                   | 129                        | 37.58                  | 12.52                          |
| 10                                                             | #10540.00      | 37.4 AV                       | 54.0              | -16.6          | 2.02 H                   | 129                        | 24.88                  | 12.52                          |
| 11                                                             | 15810.00       | 52.3 PK                       | 74.0              | -21.7          | 2.13 H                   | 153                        | 37.54                  | 14.76                          |
| 12                                                             | 15810.00       | 39.7 AV                       | 54.0              | -14.3          | 2.13 H                   | 153                        | 24.94                  | 14.76                          |
| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>   |                |                               |                   |                |                          |                            |                        |                                |
| 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                                                              | 5110.00        | 60.8 PK                       | 74.0              | -13.2          | 1.01 V                   | 121                        | 58.48                  | 2.32                           |
| 2                                                              | 5110.00        | 50.8 AV                       | 54.0              | -3.2           | 1.01 V                   | 121                        | 48.48                  | 2.32                           |
| 3                                                              | *5270.00       | 113.9 PK                      |                   |                | 1.04 V                   | 131                        | 111.34                 | 2.56                           |
| 4                                                              | *5270.00       | 103.6 AV                      |                   |                | 1.04 V                   | 131                        | 101.04                 | 2.56                           |
| 5                                                              | 5350.00        | 68.7 PK                       | 74.0              | -5.3           | 1.02 V                   | 104                        | 66.05                  | 2.65                           |
| 6                                                              | 5350.00        | 53.7 AV                       | 54.0              | -0.3           | 1.02 V                   | 104                        | 51.05                  | 2.65                           |
| 7                                                              | #5855.00       | 56.6 PK                       | 74.0              | -17.4          | 1.07 V                   | 110                        | 53.11                  | 3.49                           |
| 8                                                              | #5855.00       | 50.3 AV                       | 54.0              | -3.7           | 1.07 V                   | 110                        | 46.81                  | 3.49                           |
| 9                                                              | #10540.00      | 50.9 PK                       | 74.0              | -23.1          | 2.46 V                   | 147                        | 38.38                  | 12.52                          |
| 10                                                             | #10540.00      | 38.5 AV                       | 54.0              | -15.5          | 2.46 V                   | 147                        | 25.98                  | 12.52                          |
| 11                                                             | 15810.00       | 53.1 PK                       | 74.0              | -20.9          | 2.47 V                   | 284                        | 38.34                  | 14.76                          |
| 12                                                             | 15810.00       | 41.1 AV                       | 54.0              | -12.9          | 2.47 V                   | 284                        | 26.34                  | 14.76                          |

**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       | 99.5 PK                       |                   |                | 1.17 H                   | 345                        | 96.89                  | 2.61                           |
| 2   | *5310.00       | 88.5 AV                       |                   |                | 1.17 H                   | 345                        | 85.89                  | 2.61                           |
| 3   | 5350.00        | 61.9 PK                       | 74.0              | -12.1          | 1.22 H                   | 359                        | 59.25                  | 2.65                           |
| 4   | 5350.00        | 43.8 AV                       | 54.0              | -10.2          | 1.22 H                   | 359                        | 41.15                  | 2.65                           |
| 5   | 10620.00       | 49.8 PK                       | 74.0              | -24.2          | 1.95 H                   | 121                        | 36.92                  | 12.88                          |
| 6   | 10620.00       | 37.4 AV                       | 54.0              | -16.6          | 1.95 H                   | 121                        | 24.52                  | 12.88                          |
| 7   | 15930.00       | 52.5 PK                       | 74.0              | -21.5          | 2.18 H                   | 138                        | 37.60                  | 14.90                          |
| 8   | 15930.00       | 39.8 AV                       | 54.0              | -14.2          | 2.18 H                   | 138                        | 24.90                  | 14.90                          |

**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   | *5310.00       | 109.6 PK                      |                   |                | 1.03 V                   | 107                        | 106.99                 | 2.61                           |
| 2   | *5310.00       | 98.9 AV                       |                   |                | 1.03 V                   | 107                        | 96.29                  | 2.61                           |
| 3   | 5350.00        | 71.9 PK                       | 74.0              | -2.1           | 1.08 V                   | 112                        | 69.25                  | 2.65                           |
| 4   | 5350.00        | 53.8 AV                       | 54.0              | -0.2           | 1.08 V                   | 112                        | 51.15                  | 2.65                           |
| 5   | 10620.00       | 50.3 PK                       | 74.0              | -23.7          | 2.46 V                   | 153                        | 37.42                  | 12.88                          |
| 6   | 10620.00       | 38.0 AV                       | 54.0              | -16.0          | 2.46 V                   | 153                        | 25.12                  | 12.88                          |
| 7   | 15930.00       | 52.6 PK                       | 74.0              | -21.4          | 2.45 V                   | 303                        | 37.70                  | 14.90                          |
| 8   | 15930.00       | 40.5 AV                       | 54.0              | -13.5          | 2.45 V                   | 303                        | 25.60                  | 14.90                          |

**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.



|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <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       | 61.9 PK                       | 74.0              | -12.1          | 1.19 H                   | 360                        | 59.11                  | 2.79                           |
| 2   | #5470.00       | 43.3 AV                       | 54.0              | -10.7          | 1.19 H                   | 360                        | 40.51                  | 2.79                           |
| 3   | *5510.00       | 100.5 PK                      |                   |                | 1.16 H                   | 343                        | 97.65                  | 2.85                           |
| 4   | *5510.00       | 89.8 AV                       |                   |                | 1.16 H                   | 343                        | 86.95                  | 2.85                           |
| 5   | #5750.00       | 48.0 PK                       | 74.0              | -26.0          | 1.21 H                   | 352                        | 44.62                  | 3.38                           |
| 6   | #5750.00       | 36.9 AV                       | 54.0              | -17.1          | 1.21 H                   | 352                        | 33.52                  | 3.38                           |
| 7   | 11020.00       | 49.9 PK                       | 74.0              | -24.1          | 1.95 H                   | 110                        | 36.26                  | 13.64                          |
| 8   | 11020.00       | 37.3 AV                       | 54.0              | -16.7          | 1.95 H                   | 110                        | 23.66                  | 13.64                          |
| 9   | #16530.00      | 52.2 PK                       | 74.0              | -21.8          | 2.19 H                   | 144                        | 33.38                  | 18.82                          |
| 10  | #16530.00      | 39.8 AV                       | 54.0              | -14.2          | 2.19 H                   | 144                        | 20.98                  | 18.82                          |

**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       | 72.4 PK                       | 74.0              | -1.6           | 1.84 V                   | 123                        | 69.61                  | 2.79                           |
| 2   | #5470.00       | 53.6 AV                       | 54.0              | -0.4           | 1.84 V                   | 123                        | 50.81                  | 2.79                           |
| 3   | *5510.00       | 110.4 PK                      |                   |                | 1.06 V                   | 228                        | 107.55                 | 2.85                           |
| 4   | *5510.00       | 99.9 AV                       |                   |                | 1.06 V                   | 228                        | 97.05                  | 2.85                           |
| 5   | #5750.00       | 58.1 PK                       | 74.0              | -15.9          | 2.04 V                   | 134                        | 54.72                  | 3.38                           |
| 6   | #5750.00       | 47.3 AV                       | 54.0              | -6.7           | 2.04 V                   | 134                        | 43.92                  | 3.38                           |
| 7   | 11020.00       | 50.7 PK                       | 74.0              | -23.3          | 2.47 V                   | 138                        | 37.06                  | 13.64                          |
| 8   | 11020.00       | 38.1 AV                       | 54.0              | -15.9          | 2.47 V                   | 138                        | 24.46                  | 13.64                          |
| 9   | #16530.00      | 53.8 PK                       | 74.0              | -20.2          | 2.48 V                   | 310                        | 34.98                  | 18.82                          |
| 10  | #16530.00      | 41.2 AV                       | 54.0              | -12.8          | 2.48 V                   | 310                        | 22.38                  | 18.82                          |

**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   | 5390.00        | 52.4 PK                       | 74.0              | -21.6          | 1.12 H                   | 339                        | 49.70                  | 2.70                           |
| 2   | 5390.00        | 41.0 AV                       | 54.0              | -13.0          | 1.12 H                   | 339                        | 38.30                  | 2.70                           |
| 3   | *5550.00       | 103.6 PK                      |                   |                | 1.18 H                   | 341                        | 100.62                 | 2.98                           |
| 4   | *5550.00       | 92.3 AV                       |                   |                | 1.18 H                   | 341                        | 89.32                  | 2.98                           |
| 5   | #5725.00       | 50.1 PK                       | 74.0              | -23.9          | 1.16 H                   | 360                        | 46.74                  | 3.36                           |
| 6   | #5725.00       | 40.4 AV                       | 54.0              | -13.6          | 1.16 H                   | 360                        | 37.04                  | 3.36                           |
| 7   | 11100.00       | 50.2 PK                       | 74.0              | -23.8          | 2.02 H                   | 134                        | 36.58                  | 13.62                          |
| 8   | 11100.00       | 37.4 AV                       | 54.0              | -16.6          | 2.02 H                   | 134                        | 23.78                  | 13.62                          |
| 9   | #16650.00      | 52.5 PK                       | 74.0              | -21.5          | 2.07 H                   | 140                        | 33.11                  | 19.39                          |
| 10  | #16650.00      | 40.0 AV                       | 54.0              | -14.0          | 2.07 H                   | 140                        | 20.61                  | 19.39                          |

**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   | 5390.00        | 62.6 PK                       | 74.0              | -11.4          | 1.00 V                   | 249                        | 59.90                  | 2.70                           |
| 2   | 5390.00        | 51.3 AV                       | 54.0              | -2.7           | 1.00 V                   | 249                        | 48.60                  | 2.70                           |
| 3   | *5550.00       | 113.5 PK                      |                   |                | 1.02 V                   | 131                        | 110.52                 | 2.98                           |
| 4   | *5550.00       | 102.5 AV                      |                   |                | 1.02 V                   | 131                        | 99.52                  | 2.98                           |
| 5   | #5725.00       | 60.9 PK                       | 74.0              | -13.1          | 1.10 V                   | 232                        | 57.54                  | 3.36                           |
| 6   | #5725.00       | 50.9 AV                       | 54.0              | -3.1           | 1.10 V                   | 232                        | 47.54                  | 3.36                           |
| 7   | 11100.00       | 50.9 PK                       | 74.0              | -23.1          | 2.43 V                   | 147                        | 37.28                  | 13.62                          |
| 8   | 11100.00       | 38.1 AV                       | 54.0              | -15.9          | 2.43 V                   | 147                        | 24.48                  | 13.62                          |
| 9   | #16650.00      | 53.0 PK                       | 74.0              | -21.0          | 2.47 V                   | 304                        | 33.61                  | 19.39                          |
| 10  | #16650.00      | 40.6 AV                       | 54.0              | -13.4          | 2.47 V                   | 304                        | 21.21                  | 19.39                          |

**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   | 5430.00        | 49.5 PK                       | 74.0              | -24.5          | 1.11 H                   | 349                        | 46.76                  | 2.74                           |
| 2   | 5430.00        | 39.5 AV                       | 54.0              | -14.5          | 1.11 H                   | 349                        | 36.76                  | 2.74                           |
| 3   | *5670.00       | 102.9 PK                      |                   |                | 1.14 H                   | 360                        | 99.64                  | 3.26                           |
| 4   | *5670.00       | 90.5 AV                       |                   |                | 1.14 H                   | 360                        | 87.24                  | 3.26                           |
| 5   | #5725.00       | 61.7 PK                       | 74.0              | -12.3          | 1.21 H                   | 345                        | 58.34                  | 3.36                           |
| 6   | #5725.00       | 43.9 AV                       | 54.0              | -10.1          | 1.21 H                   | 345                        | 40.54                  | 3.36                           |
| 7   | 11340.00       | 50.4 PK                       | 74.0              | -23.6          | 1.94 H                   | 128                        | 36.70                  | 13.70                          |
| 8   | 11340.00       | 37.6 AV                       | 54.0              | -16.4          | 1.94 H                   | 128                        | 23.90                  | 13.70                          |
| 9   | #17010.00      | 52.8 PK                       | 74.0              | -21.2          | 2.10 H                   | 140                        | 32.03                  | 20.77                          |
| 10  | #17010.00      | 40.0 AV                       | 54.0              | -14.0          | 2.10 H                   | 140                        | 19.23                  | 20.77                          |

**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   | 5430.00        | 59.5 PK                       | 74.0              | -14.5          | 1.15 V                   | 221                        | 56.76                  | 2.74                           |
| 2   | 5430.00        | 49.3 AV                       | 54.0              | -4.7           | 1.15 V                   | 221                        | 46.56                  | 2.74                           |
| 3   | *5670.00       | 112.7 PK                      |                   |                | 1.03 V                   | 115                        | 109.44                 | 3.26                           |
| 4   | *5670.00       | 100.4 AV                      |                   |                | 1.03 V                   | 115                        | 97.14                  | 3.26                           |
| 5   | #5725.00       | 71.3 PK                       | 74.0              | -2.7           | 1.08 V                   | 244                        | 67.94                  | 3.36                           |
| 6   | #5725.00       | 53.5 AV                       | 54.0              | -0.5           | 1.08 V                   | 244                        | 50.14                  | 3.36                           |
| 7   | 11340.00       | 50.9 PK                       | 74.0              | -23.1          | 2.51 V                   | 139                        | 37.20                  | 13.70                          |
| 8   | 11340.00       | 38.1 AV                       | 54.0              | -15.9          | 2.51 V                   | 139                        | 24.40                  | 13.70                          |
| 9   | #17010.00      | 52.8 PK                       | 74.0              | -21.2          | 2.41 V                   | 300                        | 32.03                  | 20.77                          |
| 10  | #17010.00      | 40.7 AV                       | 54.0              | -13.3          | 2.41 V                   | 300                        | 19.93                  | 20.77                          |

**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 142 | 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   | 5460.00        | 51.1 PK                       | 74.0              | -22.9          | 1.15 H                   | 342                        | 48.32                  | 2.78                           |
| 2   | 5460.00        | 40.3 AV                       | 54.0              | -13.7          | 1.15 H                   | 342                        | 37.52                  | 2.78                           |
| 3   | *5710.00       | 105.4 PK                      |                   |                | 1.22 H                   | 343                        | 102.06                 | 3.34                           |
| 4   | *5710.00       | 94.2 AV                       |                   |                | 1.22 H                   | 343                        | 90.86                  | 3.34                           |
| 5   | #5870.00       | 52.1 PK                       | 74.0              | -21.9          | 1.21 H                   | 360                        | 48.59                  | 3.51                           |
| 6   | #5870.00       | 42.2 AV                       | 54.0              | -11.8          | 1.21 H                   | 360                        | 38.69                  | 3.51                           |
| 7   | 11420.00       | 50.1 PK                       | 74.0              | -23.9          | 2.00 H                   | 139                        | 36.51                  | 13.59                          |
| 8   | 11420.00       | 37.7 AV                       | 54.0              | -16.3          | 2.00 H                   | 139                        | 24.11                  | 13.59                          |
| 9   | #17130.00      | 52.0 PK                       | 74.0              | -22.0          | 2.10 H                   | 133                        | 31.17                  | 20.83                          |
| 10  | #17130.00      | 39.2 AV                       | 54.0              | -14.8          | 2.10 H                   | 133                        | 18.37                  | 20.83                          |

**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   | 5460.00        | 61.0 PK                       | 74.0              | -13.0          | 1.09 V                   | 232                        | 58.22                  | 2.78                           |
| 2   | 5460.00        | 50.3 AV                       | 54.0              | -3.7           | 1.09 V                   | 232                        | 47.52                  | 2.78                           |
| 3   | *5710.00       | 115.3 PK                      |                   |                | 1.03 V                   | 118                        | 111.96                 | 3.34                           |
| 4   | *5710.00       | 103.9 AV                      |                   |                | 1.03 V                   | 118                        | 100.56                 | 3.34                           |
| 5   | #5870.00       | 62.5 PK                       | 74.0              | -11.5          | 1.01 V                   | 257                        | 58.99                  | 3.51                           |
| 6   | #5870.00       | 52.6 AV                       | 54.0              | -1.4           | 1.01 V                   | 257                        | 49.09                  | 3.51                           |
| 7   | 11420.00       | 51.2 PK                       | 74.0              | -22.8          | 2.52 V                   | 142                        | 37.61                  | 13.59                          |
| 8   | 11420.00       | 38.7 AV                       | 54.0              | -15.3          | 2.52 V                   | 142                        | 25.11                  | 13.59                          |
| 9   | #17130.00      | 52.8 PK                       | 74.0              | -21.2          | 2.45 V                   | 308                        | 31.97                  | 20.83                          |
| 10  | #17130.00      | 40.7 AV                       | 54.0              | -13.3          | 2.45 V                   | 308                        | 19.87                  | 20.83                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| 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                                                   | *5290.00       | 96.0 PK                       |                   |                | 1.22 H                   | 360                        | 93.41                  | 2.59                           |
| 2                                                   | *5290.00       | 84.2 AV                       |                   |                | 1.22 H                   | 360                        | 81.61                  | 2.59                           |
| 3                                                   | 5350.00        | 53.7 PK                       | 74.0              | -20.3          | 1.15 H                   | 360                        | 51.05                  | 2.65                           |
| 4                                                   | 5350.00        | 42.4 AV                       | 54.0              | -11.6          | 1.15 H                   | 360                        | 39.75                  | 2.65                           |
| 5                                                   | #10580.00      | 50.1 PK                       | 74.0              | -23.9          | 2.00 H                   | 130                        | 37.35                  | 12.75                          |
| 6                                                   | #10580.00      | 37.6 AV                       | 54.0              | -16.4          | 2.00 H                   | 130                        | 24.85                  | 12.75                          |
| 7                                                   | 15870.00       | 52.1 PK                       | 74.0              | -21.9          | 2.08 H                   | 140                        | 37.27                  | 14.83                          |
| 8                                                   | 15870.00       | 39.6 AV                       | 54.0              | -14.4          | 2.08 H                   | 140                        | 24.77                  | 14.83                          |
| 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       | 105.7 PK                      |                   |                | 1.10 V                   | 144                        | 103.11                 | 2.59                           |
| 2                                                   | *5290.00       | 94.1 AV                       |                   |                | 1.10 V                   | 144                        | 91.51                  | 2.59                           |
| 3                                                   | 5350.00        | 63.8 PK                       | 74.0              | -10.2          | 1.12 V                   | 125                        | 61.15                  | 2.65                           |
| 4                                                   | 5350.00        | 52.7 AV                       | 54.0              | -1.3           | 1.12 V                   | 125                        | 50.05                  | 2.65                           |
| 5                                                   | #10580.00      | 51.1 PK                       | 74.0              | -22.9          | 2.50 V                   | 144                        | 38.35                  | 12.75                          |
| 6                                                   | #10580.00      | 38.6 AV                       | 54.0              | -15.4          | 2.50 V                   | 144                        | 25.85                  | 12.75                          |
| 7                                                   | 15870.00       | 52.9 PK                       | 74.0              | -21.1          | 2.46 V                   | 281                        | 38.07                  | 14.83                          |
| 8                                                   | 15870.00       | 40.7 AV                       | 54.0              | -13.3          | 2.46 V                   | 281                        | 25.87                  | 14.83                          |

## 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       | 60.7 PK                       | 74.0              | -13.3          | 1.14 H                   | 360                        | 57.91                  | 2.79                           |
| 2   | #5470.00       | 44.0 AV                       | 54.0              | -10.0          | 1.14 H                   | 360                        | 41.21                  | 2.79                           |
| 3   | *5530.00       | 98.2 PK                       |                   |                | 1.22 H                   | 338                        | 95.28                  | 2.92                           |
| 4   | *5530.00       | 86.1 AV                       |                   |                | 1.22 H                   | 338                        | 83.18                  | 2.92                           |
| 5   | #5725.00       | 46.1 PK                       | 74.0              | -27.9          | 1.17 H                   | 353                        | 42.74                  | 3.36                           |
| 6   | #5725.00       | 35.3 AV                       | 54.0              | -18.7          | 1.17 H                   | 353                        | 31.94                  | 3.36                           |
| 7   | 11060.00       | 50.3 PK                       | 74.0              | -23.7          | 2.00 H                   | 115                        | 36.67                  | 13.63                          |
| 8   | 11060.00       | 37.7 AV                       | 54.0              | -16.3          | 2.00 H                   | 115                        | 24.07                  | 13.63                          |
| 9   | #16590.00      | 52.4 PK                       | 74.0              | -21.6          | 2.12 H                   | 140                        | 33.22                  | 19.18                          |
| 10  | #16590.00      | 39.6 AV                       | 54.0              | -14.4          | 2.12 H                   | 140                        | 20.42                  | 19.18                          |

**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       | 70.0 PK                       | 74.0              | -4.0           | 1.07 V                   | 237                        | 67.21                  | 2.79                           |
| 2   | #5470.00       | 53.6 AV                       | 54.0              | -0.4           | 1.07 V                   | 237                        | 50.81                  | 2.79                           |
| 3   | *5530.00       | 108.0 PK                      |                   |                | 1.17 V                   | 233                        | 105.08                 | 2.92                           |
| 4   | *5530.00       | 96.0 AV                       |                   |                | 1.17 V                   | 233                        | 93.08                  | 2.92                           |
| 5   | #5725.00       | 56.4 PK                       | 74.0              | -17.6          | 1.01 V                   | 231                        | 53.04                  | 3.36                           |
| 6   | #5725.00       | 45.7 AV                       | 54.0              | -8.3           | 1.01 V                   | 231                        | 42.34                  | 3.36                           |
| 7   | 11060.00       | 51.0 PK                       | 74.0              | -23.0          | 2.50 V                   | 148                        | 37.37                  | 13.63                          |
| 8   | 11060.00       | 38.4 AV                       | 54.0              | -15.6          | 2.50 V                   | 148                        | 24.77                  | 13.63                          |
| 9   | #16590.00      | 53.2 PK                       | 74.0              | -20.8          | 2.47 V                   | 292                        | 34.02                  | 19.18                          |
| 10  | #16590.00      | 41.1 AV                       | 54.0              | -12.9          | 2.47 V                   | 292                        | 21.92                  | 19.18                          |

**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 122 | 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   | #5470.00       | 56.6 PK                       | 74.0              | -17.4          | 1.13 H                   | 351                        | 53.81                  | 2.79                           |
| 2   | #5470.00       | 39.9 AV                       | 54.0              | -14.1          | 1.13 H                   | 351                        | 37.11                  | 2.79                           |
| 3   | *5610.00       | 99.5 PK                       |                   |                | 1.12 H                   | 360                        | 96.35                  | 3.15                           |
| 4   | *5610.00       | 87.3 AV                       |                   |                | 1.12 H                   | 360                        | 84.15                  | 3.15                           |
| 5   | #5725.00       | 58.4 PK                       | 74.0              | -15.6          | 1.12 H                   | 360                        | 55.04                  | 3.36                           |
| 6   | #5725.00       | 43.3 AV                       | 54.0              | -10.7          | 1.12 H                   | 360                        | 39.94                  | 3.36                           |
| 7   | 11220.00       | 49.5 PK                       | 74.0              | -24.5          | 1.94 H                   | 112                        | 35.86                  | 13.64                          |
| 8   | 11220.00       | 37.1 AV                       | 54.0              | -16.9          | 1.94 H                   | 112                        | 23.46                  | 13.64                          |
| 9   | #16830.00      | 52.0 PK                       | 74.0              | -22.0          | 2.17 H                   | 154                        | 32.15                  | 19.85                          |
| 10  | #16830.00      | 39.5 AV                       | 54.0              | -14.5          | 2.17 H                   | 154                        | 19.65                  | 19.85                          |

**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       | 67.1 PK                       | 74.0              | -6.9           | 1.01 V                   | 240                        | 64.31                  | 2.79                           |
| 2   | #5470.00       | 50.3 AV                       | 54.0              | -3.7           | 1.01 V                   | 240                        | 47.51                  | 2.79                           |
| 3   | *5610.00       | 109.7 PK                      |                   |                | 1.06 V                   | 247                        | 106.55                 | 3.15                           |
| 4   | *5610.00       | 97.3 AV                       |                   |                | 1.06 V                   | 247                        | 94.15                  | 3.15                           |
| 5   | #5725.00       | 67.9 PK                       | 74.0              | -6.1           | 1.07 V                   | 231                        | 64.54                  | 3.36                           |
| 6   | #5725.00       | 53.0 AV                       | 54.0              | -1.0           | 1.07 V                   | 231                        | 49.64                  | 3.36                           |
| 7   | 11220.00       | 51.4 PK                       | 74.0              | -22.6          | 2.45 V                   | 158                        | 37.76                  | 13.64                          |
| 8   | 11220.00       | 38.5 AV                       | 54.0              | -15.5          | 2.45 V                   | 158                        | 24.86                  | 13.64                          |
| 9   | #16830.00      | 52.9 PK                       | 74.0              | -21.1          | 2.48 V                   | 290                        | 33.05                  | 19.85                          |
| 10  | #16830.00      | 40.5 AV                       | 54.0              | -13.5          | 2.48 V                   | 290                        | 20.65                  | 19.85                          |

**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 138 | 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   | #5470.00       | 50.4 PK                       | 74.0              | -23.6          | 1.13 H                   | 343                        | 47.61                  | 2.79                           |
| 2   | #5470.00       | 38.9 AV                       | 54.0              | -15.1          | 1.13 H                   | 343                        | 36.11                  | 2.79                           |
| 3   | *5690.00       | 104.2 PK                      |                   |                | 1.18 H                   | 347                        | 100.90                 | 3.30                           |
| 4   | *5690.00       | 91.5 AV                       |                   |                | 1.18 H                   | 347                        | 88.20                  | 3.30                           |
| 5   | #5850.00       | 58.1 PK                       | 78.2              | -20.1          | 1.21 H                   | 360                        | 54.61                  | 3.49                           |
| 6   | 11380.00       | 49.8 PK                       | 74.0              | -24.2          | 1.95 H                   | 135                        | 36.17                  | 13.63                          |
| 7   | 11380.00       | 37.2 AV                       | 54.0              | -16.8          | 1.95 H                   | 135                        | 23.57                  | 13.63                          |
| 8   | #17070.00      | 51.6 PK                       | 74.0              | -22.4          | 2.16 H                   | 156                        | 30.75                  | 20.85                          |
| 9   | #17070.00      | 39.1 AV                       | 54.0              | -14.9          | 2.16 H                   | 156                        | 18.25                  | 20.85                          |

**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       | 60.4 PK                       | 74.0              | -13.6          | 1.04 V                   | 138                        | 57.61                  | 2.79                           |
| 2   | #5470.00       | 49.0 AV                       | 54.0              | -5.0           | 1.04 V                   | 138                        | 46.21                  | 2.79                           |
| 3   | *5690.00       | 113.7 PK                      |                   |                | 1.12 V                   | 128                        | 110.40                 | 3.30                           |
| 4   | *5690.00       | 101.1 AV                      |                   |                | 1.12 V                   | 128                        | 97.80                  | 3.30                           |
| 5   | #5850.00       | 68.0 PK                       | 78.2              | -10.2          | 1.06 V                   | 123                        | 64.51                  | 3.49                           |
| 6   | 11380.00       | 51.0 PK                       | 74.0              | -23.0          | 2.51 V                   | 151                        | 37.37                  | 13.63                          |
| 7   | 11380.00       | 38.6 AV                       | 54.0              | -15.4          | 2.51 V                   | 151                        | 24.97                  | 13.63                          |
| 8   | #17070.00      | 53.0 PK                       | 74.0              | -21.0          | 2.43 V                   | 302                        | 32.15                  | 20.85                          |
| 9   | #17070.00      | 40.9 AV                       | 54.0              | -13.1          | 2.43 V                   | 302                        | 20.05                  | 20.85                          |

**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.



2TX

ANT5, ANT6

802.11a

|                        |               |                 |              |
|------------------------|---------------|-----------------|--------------|
| <b>CHANNEL</b>         | TX Channel 52 | <b>DETECTOR</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  | <b>FUNCTION</b> | 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                                                   | 5100.00     | 49.9 PK                 | 74.0           | -24.1       | 1.11 H             | 337                  | 47.58            | 2.32                     |
| 2                                                   | 5100.00     | 39.1 AV                 | 54.0           | -14.9       | 1.11 H             | 337                  | 36.78            | 2.32                     |
| 3                                                   | *5260.00    | 105.3 PK                |                |             | 1.10 H             | 353                  | 102.76           | 2.54                     |
| 4                                                   | *5260.00    | 95.7 AV                 |                |             | 1.10 H             | 353                  | 93.16            | 2.54                     |
| 5                                                   | 5420.00     | 51.0 PK                 | 74.0           | -23.0       | 1.10 H             | 346                  | 48.27            | 2.73                     |
| 6                                                   | 5420.00     | 40.2 AV                 | 54.0           | -13.8       | 1.10 H             | 346                  | 37.47            | 2.73                     |
| 7                                                   | #10520.00   | 50.3 PK                 | 74.0           | -23.7       | 2.08 H             | 129                  | 37.90            | 12.40                    |
| 8                                                   | #10520.00   | 37.5 AV                 | 54.0           | -16.5       | 2.08 H             | 129                  | 25.10            | 12.40                    |
| 9                                                   | 15780.00    | 52.3 PK                 | 74.0           | -21.7       | 2.04 H             | 136                  | 37.48            | 14.82                    |
| 10                                                  | 15780.00    | 39.5 AV                 | 54.0           | -14.5       | 2.04 H             | 136                  | 24.68            | 14.82                    |
| 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                                                   | 5100.00     | 59.8 PK                 | 74.0           | -14.2       | 2.60 V             | 62                   | 57.48            | 2.32                     |
| 2                                                   | 5100.00     | 49.3 AV                 | 54.0           | -4.7        | 2.60 V             | 62                   | 46.98            | 2.32                     |
| 3                                                   | *5260.00    | 115.8 PK                |                |             | 2.63 V             | 59                   | 113.26           | 2.54                     |
| 4                                                   | *5260.00    | 106.0 AV                |                |             | 2.63 V             | 59                   | 103.46           | 2.54                     |
| 5                                                   | 5420.00     | 60.9 PK                 | 74.0           | -13.1       | 2.60 V             | 51                   | 58.17            | 2.73                     |
| 6                                                   | 5420.00     | 50.2 AV                 | 54.0           | -3.8        | 2.60 V             | 51                   | 47.47            | 2.73                     |
| 7                                                   | #10520.00   | 51.1 PK                 | 74.0           | -22.9       | 2.48 V             | 149                  | 38.70            | 12.40                    |
| 8                                                   | #10520.00   | 38.2 AV                 | 54.0           | -15.8       | 2.48 V             | 149                  | 25.80            | 12.40                    |
| 9                                                   | 15780.00    | 53.1 PK                 | 74.0           | -20.9       | 2.49 V             | 299                  | 38.28            | 14.82                    |
| 10                                                  | 15780.00    | 40.6 AV                 | 54.0           | -13.4       | 2.49 V             | 299                  | 25.78            | 14.82                    |

**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   | 5140.00        | 49.9 PK                       | 74.0              | -24.1          | 1.20 H                   | 343                        | 47.53                  | 2.37                           |
| 2   | 5140.00        | 40.6 AV                       | 54.0              | -13.4          | 1.20 H                   | 343                        | 38.23                  | 2.37                           |
| 3   | *5300.00       | 105.9 PK                      |                   |                | 1.14 H                   | 352                        | 103.29                 | 2.61                           |
| 4   | *5300.00       | 96.1 AV                       |                   |                | 1.14 H                   | 352                        | 93.49                  | 2.61                           |
| 5   | 5460.00        | 53.6 PK                       | 74.0              | -20.4          | 1.12 H                   | 340                        | 50.82                  | 2.78                           |
| 6   | 5460.00        | 39.2 AV                       | 54.0              | -14.8          | 1.12 H                   | 340                        | 36.42                  | 2.78                           |
| 7   | 10600.00       | 51.0 PK                       | 74.0              | -23.0          | 2.05 H                   | 118                        | 38.14                  | 12.86                          |
| 8   | 10600.00       | 38.7 AV                       | 54.0              | -15.3          | 2.05 H                   | 118                        | 25.84                  | 12.86                          |
| 9   | 15900.00       | 52.5 PK                       | 74.0              | -21.5          | 2.11 H                   | 119                        | 37.63                  | 14.87                          |
| 10  | 15900.00       | 39.7 AV                       | 54.0              | -14.3          | 2.11 H                   | 119                        | 24.83                  | 14.87                          |

**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   | 5140.00        | 60.2 PK                       | 74.0              | -13.8          | 2.49 V                   | 51                         | 57.83                  | 2.37                           |
| 2   | 5140.00        | 50.8 AV                       | 54.0              | -3.2           | 2.49 V                   | 51                         | 48.43                  | 2.37                           |
| 3   | *5300.00       | 115.7 PK                      |                   |                | 2.53 V                   | 77                         | 113.09                 | 2.61                           |
| 4   | *5300.00       | 105.7 AV                      |                   |                | 2.53 V                   | 77                         | 103.09                 | 2.61                           |
| 5   | 5460.00        | 64.2 PK                       | 74.0              | -9.8           | 2.53 V                   | 64                         | 61.42                  | 2.78                           |
| 6   | 5460.00        | 49.6 AV                       | 54.0              | -4.4           | 2.53 V                   | 64                         | 46.82                  | 2.78                           |
| 7   | 10600.00       | 50.5 PK                       | 74.0              | -23.5          | 2.45 V                   | 155                        | 37.64                  | 12.86                          |
| 8   | 10600.00       | 37.5 AV                       | 54.0              | -16.5          | 2.45 V                   | 155                        | 24.64                  | 12.86                          |
| 9   | 15900.00       | 53.7 PK                       | 74.0              | -20.3          | 2.46 V                   | 316                        | 38.83                  | 14.87                          |
| 10  | 15900.00       | 40.9 AV                       | 54.0              | -13.1          | 2.46 V                   | 316                        | 26.03                  | 14.87                          |

**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.

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 64 | 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   | *5320.00       | 103.7 PK                      |                   |                | 1.12 H                   | 336                        | 101.07                 | 2.63                           |
| 2   | *5320.00       | 93.5 AV                       |                   |                | 1.12 H                   | 336                        | 90.87                  | 2.63                           |
| 3   | 5350.00        | 57.0 PK                       | 74.0              | -17.0          | 1.14 H                   | 355                        | 54.35                  | 2.65                           |
| 4   | 5350.00        | 42.9 AV                       | 54.0              | -11.1          | 1.14 H                   | 355                        | 40.25                  | 2.65                           |
| 5   | 10640.00       | 50.8 PK                       | 74.0              | -23.2          | 2.04 H                   | 138                        | 37.92                  | 12.88                          |
| 6   | 10640.00       | 37.8 AV                       | 54.0              | -16.2          | 2.04 H                   | 138                        | 24.92                  | 12.88                          |
| 7   | 15960.00       | 52.5 PK                       | 74.0              | -21.5          | 2.13 H                   | 143                        | 37.57                  | 14.93                          |
| 8   | 15960.00       | 40.0 AV                       | 54.0              | -14.0          | 2.13 H                   | 143                        | 25.07                  | 14.93                          |

**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       | 113.8 PK                      |                   |                | 2.48 V                   | 46                         | 111.17                 | 2.63                           |
| 2   | *5320.00       | 103.6 AV                      |                   |                | 2.48 V                   | 46                         | 100.97                 | 2.63                           |
| 3   | 5350.00        | 67.4 PK                       | 74.0              | -6.6           | 2.56 V                   | 57                         | 64.75                  | 2.65                           |
| 4   | 5350.00        | 53.2 AV                       | 54.0              | -0.8           | 2.56 V                   | 57                         | 50.55                  | 2.65                           |
| 5   | 10640.00       | 50.8 PK                       | 74.0              | -23.2          | 2.37 V                   | 138                        | 37.92                  | 12.88                          |
| 6   | 10640.00       | 38.0 AV                       | 54.0              | -16.0          | 2.37 V                   | 138                        | 25.12                  | 12.88                          |
| 7   | 15960.00       | 52.7 PK                       | 74.0              | -21.3          | 2.50 V                   | 277                        | 37.77                  | 14.93                          |
| 8   | 15960.00       | 40.0 AV                       | 54.0              | -14.0          | 2.50 V                   | 277                        | 25.07                  | 14.93                          |

**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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 100 | 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   | #5470.00       | 61.3 PK                       | 74.0              | -12.7          | 1.12 H                   | 341                        | 58.51                  | 2.79                           |
| 2   | #5470.00       | 43.3 AV                       | 54.0              | -10.7          | 1.12 H                   | 341                        | 40.51                  | 2.79                           |
| 3   | *5500.00       | 105.3 PK                      |                   |                | 1.19 H                   | 349                        | 102.47                 | 2.83                           |
| 4   | *5500.00       | 95.3 AV                       |                   |                | 1.19 H                   | 349                        | 92.47                  | 2.83                           |
| 5   | #5735.00       | 52.9 PK                       | 74.0              | -21.1          | 1.09 H                   | 333                        | 49.53                  | 3.37                           |
| 6   | #5735.00       | 42.0 AV                       | 54.0              | -12.0          | 1.09 H                   | 333                        | 38.63                  | 3.37                           |
| 7   | 11000.00       | 50.1 PK                       | 74.0              | -23.9          | 1.98 H                   | 116                        | 36.46                  | 13.64                          |
| 8   | 11000.00       | 37.6 AV                       | 54.0              | -16.4          | 1.98 H                   | 116                        | 23.96                  | 13.64                          |
| 9   | #16500.00      | 52.6 PK                       | 74.0              | -21.4          | 2.04 H                   | 131                        | 33.96                  | 18.64                          |
| 10  | #16500.00      | 39.7 AV                       | 54.0              | -14.3          | 2.04 H                   | 131                        | 21.06                  | 18.64                          |

**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       | 71.5 PK                       | 74.0              | -2.5           | 2.69 V                   | 48                         | 68.71                  | 2.79                           |
| 2   | #5470.00       | 53.7 AV                       | 54.0              | -0.3           | 2.69 V                   | 48                         | 50.91                  | 2.79                           |
| 3   | *5500.00       | 115.1 PK                      |                   |                | 2.64 V                   | 72                         | 112.27                 | 2.83                           |
| 4   | *5500.00       | 105.3 AV                      |                   |                | 2.64 V                   | 72                         | 102.47                 | 2.83                           |
| 5   | #5735.00       | 62.6 PK                       | 74.0              | -11.4          | 2.67 V                   | 48                         | 59.23                  | 3.37                           |
| 6   | #5735.00       | 51.9 AV                       | 54.0              | -2.1           | 2.67 V                   | 48                         | 48.53                  | 3.37                           |
| 7   | 11000.00       | 51.5 PK                       | 74.0              | -22.5          | 2.38 V                   | 144                        | 37.86                  | 13.64                          |
| 8   | 11000.00       | 38.6 AV                       | 54.0              | -15.4          | 2.38 V                   | 144                        | 24.96                  | 13.64                          |
| 9   | #16500.00      | 53.0 PK                       | 74.0              | -21.0          | 2.51 V                   | 305                        | 34.36                  | 18.64                          |
| 10  | #16500.00      | 40.6 AV                       | 54.0              | -13.4          | 2.51 V                   | 305                        | 21.96                  | 18.64                          |

**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   | 5420.00        | 53.2 PK                       | 74.0              | -20.8          | 1.18 H                   | 359                        | 50.47                  | 2.73                           |
| 2   | 5420.00        | 43.8 AV                       | 54.0              | -10.2          | 1.18 H                   | 359                        | 41.07                  | 2.73                           |
| 3   | *5580.00       | 105.9 PK                      |                   |                | 1.13 H                   | 337                        | 102.84                 | 3.06                           |
| 4   | *5580.00       | 96.1 AV                       |                   |                | 1.13 H                   | 337                        | 93.04                  | 3.06                           |
| 5   | #5740.00       | 49.4 PK                       | 74.0              | -24.6          | 1.12 H                   | 338                        | 46.03                  | 3.37                           |
| 6   | #5740.00       | 41.1 AV                       | 54.0              | -12.9          | 1.12 H                   | 338                        | 37.73                  | 3.37                           |
| 7   | 11160.00       | 50.5 PK                       | 74.0              | -23.5          | 2.08 H                   | 120                        | 36.88                  | 13.62                          |
| 8   | 11160.00       | 37.5 AV                       | 54.0              | -16.5          | 2.08 H                   | 120                        | 23.88                  | 13.62                          |
| 9   | #16740.00      | 52.2 PK                       | 74.0              | -21.8          | 2.13 H                   | 130                        | 32.61                  | 19.59                          |
| 10  | #16740.00      | 39.5 AV                       | 54.0              | -14.5          | 2.13 H                   | 130                        | 19.91                  | 19.59                          |

**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   | 5420.00        | 63.1 PK                       | 74.0              | -10.9          | 2.58 V                   | 73                         | 60.37                  | 2.73                           |
| 2   | 5420.00        | 53.9 AV                       | 54.0              | -0.1           | 2.58 V                   | 73                         | 51.17                  | 2.73                           |
| 3   | *5580.00       | 115.9 PK                      |                   |                | 2.48 V                   | 65                         | 112.84                 | 3.06                           |
| 4   | *5580.00       | 106.4 AV                      |                   |                | 2.48 V                   | 65                         | 103.34                 | 3.06                           |
| 5   | #5740.00       | 59.5 PK                       | 74.0              | -14.5          | 2.54 V                   | 50                         | 56.13                  | 3.37                           |
| 6   | #5740.00       | 51.3 AV                       | 54.0              | -2.7           | 2.54 V                   | 50                         | 47.93                  | 3.37                           |
| 7   | 11160.00       | 51.0 PK                       | 74.0              | -23.0          | 2.46 V                   | 143                        | 37.38                  | 13.62                          |
| 8   | 11160.00       | 38.4 AV                       | 54.0              | -15.6          | 2.46 V                   | 143                        | 24.78                  | 13.62                          |
| 9   | #16740.00      | 52.5 PK                       | 74.0              | -21.5          | 2.54 V                   | 293                        | 32.91                  | 19.59                          |
| 10  | #16740.00      | 39.9 AV                       | 54.0              | -14.1          | 2.54 V                   | 293                        | 20.31                  | 19.59                          |

**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   | 5455.00        | 51.8 PK                       | 74.0              | -22.2          | 1.11 H                   | 337                        | 49.03                  | 2.77                           |
| 2   | 5455.00        | 42.5 AV                       | 54.0              | -11.5          | 1.11 H                   | 337                        | 39.73                  | 2.77                           |
| 3   | *5700.00       | 101.5 PK                      |                   |                | 1.12 H                   | 343                        | 98.18                  | 3.32                           |
| 4   | *5700.00       | 92.7 AV                       |                   |                | 1.12 H                   | 343                        | 89.38                  | 3.32                           |
| 5   | #5725.00       | 62.2 PK                       | 74.0              | -11.8          | 1.09 H                   | 337                        | 58.84                  | 3.36                           |
| 6   | #5725.00       | 43.4 AV                       | 54.0              | -10.6          | 1.09 H                   | 337                        | 40.04                  | 3.36                           |
| 7   | 11400.00       | 50.6 PK                       | 74.0              | -23.4          | 2.06 H                   | 139                        | 36.99                  | 13.61                          |
| 8   | 11400.00       | 37.7 AV                       | 54.0              | -16.3          | 2.06 H                   | 139                        | 24.09                  | 13.61                          |
| 9   | #17100.00      | 53.1 PK                       | 74.0              | -20.9          | 2.05 H                   | 139                        | 32.20                  | 20.90                          |
| 10  | #17100.00      | 40.3 AV                       | 54.0              | -13.7          | 2.05 H                   | 139                        | 19.40                  | 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   | 5455.00        | 61.7 PK                       | 74.0              | -12.3          | 2.46 V                   | 67                         | 58.93                  | 2.77                           |
| 2   | 5455.00        | 52.1 AV                       | 54.0              | -1.9           | 2.46 V                   | 67                         | 49.33                  | 2.77                           |
| 3   | *5700.00       | 111.3 PK                      |                   |                | 2.56 V                   | 48                         | 107.98                 | 3.32                           |
| 4   | *5700.00       | 102.2 AV                      |                   |                | 2.56 V                   | 48                         | 98.88                  | 3.32                           |
| 5   | #5725.00       | 72.5 PK                       | 74.0              | -1.5           | 2.55 V                   | 73                         | 69.14                  | 3.36                           |
| 6   | #5725.00       | 53.4 AV                       | 54.0              | -0.6           | 2.55 V                   | 73                         | 50.04                  | 3.36                           |
| 7   | 11400.00       | 51.5 PK                       | 74.0              | -22.5          | 2.37 V                   | 142                        | 37.89                  | 13.61                          |
| 8   | 11400.00       | 38.5 AV                       | 54.0              | -15.5          | 2.37 V                   | 142                        | 24.89                  | 13.61                          |
| 9   | #17100.00      | 52.6 PK                       | 74.0              | -21.4          | 2.52 V                   | 305                        | 31.70                  | 20.90                          |
| 10  | #17100.00      | 40.0 AV                       | 54.0              | -14.0          | 2.52 V                   | 305                        | 19.10                  | 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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 144 | 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   | *5720.00       | 105.1 PK                      |                   |                | 1.16 H                   | 359                        | 101.75                 | 3.35                           |
| 2   | *5720.00       | 95.3 AV                       |                   |                | 1.16 H                   | 359                        | 91.95                  | 3.35                           |
| 3   | #5880.00       | 53.2 PK                       | 74.0              | -20.8          | 1.11 H                   | 342                        | 49.68                  | 3.52                           |
| 4   | #5880.00       | 43.2 AV                       | 54.0              | -10.8          | 1.11 H                   | 342                        | 39.68                  | 3.52                           |
| 5   | 11440.00       | 50.3 PK                       | 74.0              | -23.7          | 2.09 H                   | 123                        | 36.74                  | 13.56                          |
| 6   | 11440.00       | 37.2 AV                       | 54.0              | -16.8          | 2.09 H                   | 123                        | 23.64                  | 13.56                          |
| 7   | #17160.00      | 52.3 PK                       | 74.0              | -21.7          | 2.09 H                   | 149                        | 31.52                  | 20.78                          |
| 8   | #17160.00      | 39.8 AV                       | 54.0              | -14.2          | 2.09 H                   | 149                        | 19.02                  | 20.78                          |

**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   | *5720.00       | 115.0 PK                      |                   |                | 2.37 V                   | 360                        | 111.65                 | 3.35                           |
| 2   | *5720.00       | 105.1 AV                      |                   |                | 2.37 V                   | 360                        | 101.75                 | 3.35                           |
| 3   | #5880.00       | 63.5 PK                       | 74.0              | -10.5          | 2.42 V                   | 50                         | 59.98                  | 3.52                           |
| 4   | #5880.00       | 53.7 AV                       | 54.0              | -0.3           | 2.42 V                   | 50                         | 50.18                  | 3.52                           |
| 5   | 11440.00       | 50.9 PK                       | 74.0              | -23.1          | 2.41 V                   | 145                        | 37.34                  | 13.56                          |
| 6   | 11440.00       | 38.2 AV                       | 54.0              | -15.8          | 2.41 V                   | 145                        | 24.64                  | 13.56                          |
| 7   | #17160.00      | 52.5 PK                       | 74.0              | -21.5          | 2.48 V                   | 278                        | 31.72                  | 20.78                          |
| 8   | #17160.00      | 40.2 AV                       | 54.0              | -13.8          | 2.48 V                   | 278                        | 19.42                  | 20.78                          |

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

| <b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b> |                |                               |                   |                |                          |                            |                        |                                |
|----------------------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 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                                                              | 5100.00        | 46.8 PK                       | 74.0              | -27.2          | 1.19 H                   | 351                        | 44.48                  | 2.32                           |
| 2                                                              | 5100.00        | 37.2 AV                       | 54.0              | -16.8          | 1.19 H                   | 351                        | 34.88                  | 2.32                           |
| 3                                                              | *5260.00       | 104.7 PK                      |                   |                | 1.19 H                   | 340                        | 102.16                 | 2.54                           |
| 4                                                              | *5260.00       | 94.4 AV                       |                   |                | 1.19 H                   | 340                        | 91.86                  | 2.54                           |
| 5                                                              | 5420.00        | 48.9 PK                       | 74.0              | -25.1          | 1.14 H                   | 357                        | 46.17                  | 2.73                           |
| 6                                                              | 5420.00        | 39.5 AV                       | 54.0              | -14.5          | 1.14 H                   | 357                        | 36.77                  | 2.73                           |
| 7                                                              | #10520.00      | 50.8 PK                       | 74.0              | -23.2          | 1.99 H                   | 118                        | 38.40                  | 12.40                          |
| 8                                                              | #10520.00      | 37.9 AV                       | 54.0              | -16.1          | 1.99 H                   | 118                        | 25.50                  | 12.40                          |
| 9                                                              | 15780.00       | 52.4 PK                       | 74.0              | -21.6          | 2.05 H                   | 130                        | 37.58                  | 14.82                          |
| 10                                                             | 15780.00       | 39.8 AV                       | 54.0              | -14.2          | 2.05 H                   | 130                        | 24.98                  | 14.82                          |
| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>   |                |                               |                   |                |                          |                            |                        |                                |
| 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                                                              | 5100.00        | 56.7 PK                       | 74.0              | -17.3          | 2.92 V                   | 109                        | 54.38                  | 2.32                           |
| 2                                                              | 5100.00        | 47.2 AV                       | 54.0              | -6.8           | 2.92 V                   | 109                        | 44.88                  | 2.32                           |
| 3                                                              | *5260.00       | 114.9 PK                      |                   |                | 2.55 V                   | 135                        | 112.36                 | 2.54                           |
| 4                                                              | *5260.00       | 104.4 AV                      |                   |                | 2.55 V                   | 135                        | 101.86                 | 2.54                           |
| 5                                                              | 5420.00        | 59.0 PK                       | 74.0              | -15.0          | 2.85 V                   | 83                         | 56.27                  | 2.73                           |
| 6                                                              | 5420.00        | 49.6 AV                       | 54.0              | -4.4           | 2.85 V                   | 83                         | 46.87                  | 2.73                           |
| 7                                                              | #10520.00      | 51.1 PK                       | 74.0              | -22.9          | 2.39 V                   | 147                        | 38.70                  | 12.40                          |
| 8                                                              | #10520.00      | 38.2 AV                       | 54.0              | -15.8          | 2.39 V                   | 147                        | 25.80                  | 12.40                          |
| 9                                                              | 15780.00       | 53.4 PK                       | 74.0              | -20.6          | 2.43 V                   | 286                        | 38.58                  | 14.82                          |
| 10                                                             | 15780.00       | 40.8 AV                       | 54.0              | -13.2          | 2.43 V                   | 286                        | 25.98                  | 14.82                          |

**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   | 5140.00        | 47.5 PK                       | 74.0              | -26.5          | 1.11 H                   | 351                        | 45.13                  | 2.37                           |
| 2   | 5140.00        | 38.7 AV                       | 54.0              | -15.3          | 1.11 H                   | 351                        | 36.33                  | 2.37                           |
| 3   | *5300.00       | 105.1 PK                      |                   |                | 1.18 H                   | 338                        | 102.49                 | 2.61                           |
| 4   | *5300.00       | 94.6 AV                       |                   |                | 1.18 H                   | 338                        | 91.99                  | 2.61                           |
| 5   | 5460.00        | 51.7 PK                       | 74.0              | -22.3          | 1.20 H                   | 334                        | 48.92                  | 2.78                           |
| 6   | 5460.00        | 39.5 AV                       | 54.0              | -14.5          | 1.20 H                   | 334                        | 36.72                  | 2.78                           |
| 7   | 10600.00       | 50.2 PK                       | 74.0              | -23.8          | 2.00 H                   | 139                        | 37.34                  | 12.86                          |
| 8   | 10600.00       | 37.2 AV                       | 54.0              | -16.8          | 2.00 H                   | 139                        | 24.34                  | 12.86                          |
| 9   | 15900.00       | 53.1 PK                       | 74.0              | -20.9          | 2.08 H                   | 141                        | 38.23                  | 14.87                          |
| 10  | 15900.00       | 40.0 AV                       | 54.0              | -14.0          | 2.08 H                   | 141                        | 25.13                  | 14.87                          |

**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   | 5140.00        | 57.6 PK                       | 74.0              | -16.4          | 2.87 V                   | 84                         | 55.23                  | 2.37                           |
| 2   | 5140.00        | 48.9 AV                       | 54.0              | -5.1           | 2.87 V                   | 84                         | 46.53                  | 2.37                           |
| 3   | *5300.00       | 115.3 PK                      |                   |                | 2.50 V                   | 139                        | 112.69                 | 2.61                           |
| 4   | *5300.00       | 104.7 AV                      |                   |                | 2.50 V                   | 139                        | 102.09                 | 2.61                           |
| 5   | 5460.00        | 61.6 PK                       | 74.0              | -12.4          | 2.86 V                   | 107                        | 58.82                  | 2.78                           |
| 6   | 5460.00        | 49.5 AV                       | 54.0              | -4.5           | 2.86 V                   | 107                        | 46.72                  | 2.78                           |
| 7   | 10600.00       | 51.5 PK                       | 74.0              | -22.5          | 2.41 V                   | 159                        | 38.64                  | 12.86                          |
| 8   | 10600.00       | 38.6 AV                       | 54.0              | -15.4          | 2.41 V                   | 159                        | 25.74                  | 12.86                          |
| 9   | 15900.00       | 53.4 PK                       | 74.0              | -20.6          | 2.45 V                   | 287                        | 38.53                  | 14.87                          |
| 10  | 15900.00       | 40.8 AV                       | 54.0              | -13.2          | 2.45 V                   | 287                        | 25.93                  | 14.87                          |

**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.

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 64 | 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   | *5320.00       | 103.1 PK                      |                   |                | 1.17 H                   | 342                        | 100.47                 | 2.63                           |
| 2   | *5320.00       | 93.0 AV                       |                   |                | 1.17 H                   | 342                        | 90.37                  | 2.63                           |
| 3   | 5350.00        | 59.8 PK                       | 74.0              | -14.2          | 1.20 H                   | 357                        | 57.15                  | 2.65                           |
| 4   | 5350.00        | 42.6 AV                       | 54.0              | -11.4          | 1.20 H                   | 357                        | 39.95                  | 2.65                           |
| 5   | 10640.00       | 50.0 PK                       | 74.0              | -24.0          | 2.02 H                   | 112                        | 37.12                  | 12.88                          |
| 6   | 10640.00       | 37.0 AV                       | 54.0              | -17.0          | 2.02 H                   | 112                        | 24.12                  | 12.88                          |
| 7   | 15960.00       | 52.6 PK                       | 74.0              | -21.4          | 2.03 H                   | 156                        | 37.67                  | 14.93                          |
| 8   | 15960.00       | 39.9 AV                       | 54.0              | -14.1          | 2.03 H                   | 156                        | 24.97                  | 14.93                          |

**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       | 113.6 PK                      |                   |                | 2.75 V                   | 104                        | 110.97                 | 2.63                           |
| 2   | *5320.00       | 103.4 AV                      |                   |                | 2.75 V                   | 104                        | 100.77                 | 2.63                           |
| 3   | 5350.00        | 70.3 PK                       | 74.0              | -3.7           | 2.74 V                   | 87                         | 67.65                  | 2.65                           |
| 4   | 5350.00        | 53.1 AV                       | 54.0              | -0.9           | 2.74 V                   | 87                         | 50.45                  | 2.65                           |
| 5   | 10640.00       | 50.9 PK                       | 74.0              | -23.1          | 2.38 V                   | 135                        | 38.02                  | 12.88                          |
| 6   | 10640.00       | 38.4 AV                       | 54.0              | -15.6          | 2.38 V                   | 135                        | 25.52                  | 12.88                          |
| 7   | 15960.00       | 53.1 PK                       | 74.0              | -20.9          | 2.51 V                   | 294                        | 38.17                  | 14.93                          |
| 8   | 15960.00       | 40.7 AV                       | 54.0              | -13.3          | 2.51 V                   | 294                        | 25.77                  | 14.93                          |

**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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 100 | 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   | #5470.00       | 60.7 PK                       | 74.0              | -13.3          | 1.09 H                   | 355                        | 57.91                  | 2.79                           |
| 2   | #5470.00       | 43.1 AV                       | 54.0              | -10.9          | 1.09 H                   | 355                        | 40.31                  | 2.79                           |
| 3   | *5500.00       | 103.8 PK                      |                   |                | 1.12 H                   | 342                        | 100.97                 | 2.83                           |
| 4   | *5500.00       | 94.1 AV                       |                   |                | 1.12 H                   | 342                        | 91.27                  | 2.83                           |
| 5   | 11000.00       | 50.3 PK                       | 74.0              | -23.7          | 2.01 H                   | 128                        | 36.66                  | 13.64                          |
| 6   | 11000.00       | 37.2 AV                       | 54.0              | -16.8          | 2.01 H                   | 128                        | 23.56                  | 13.64                          |
| 7   | #16500.00      | 53.4 PK                       | 74.0              | -20.6          | 2.03 H                   | 144                        | 34.76                  | 18.64                          |
| 8   | #16500.00      | 40.4 AV                       | 54.0              | -13.6          | 2.03 H                   | 144                        | 21.76                  | 18.64                          |

**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       | 70.5 PK                       | 74.0              | -3.5           | 2.71 V                   | 55                         | 67.71                  | 2.79                           |
| 2   | #5470.00       | 53.0 AV                       | 54.0              | -1.0           | 2.71 V                   | 55                         | 50.21                  | 2.79                           |
| 3   | *5500.00       | 113.7 PK                      |                   |                | 2.70 V                   | 65                         | 110.87                 | 2.83                           |
| 4   | *5500.00       | 104.2 AV                      |                   |                | 2.70 V                   | 65                         | 101.37                 | 2.83                           |
| 5   | 11000.00       | 51.3 PK                       | 74.0              | -22.7          | 2.43 V                   | 145                        | 37.66                  | 13.64                          |
| 6   | 11000.00       | 38.6 AV                       | 54.0              | -15.4          | 2.43 V                   | 145                        | 24.96                  | 13.64                          |
| 7   | #16500.00      | 52.5 PK                       | 74.0              | -21.5          | 2.50 V                   | 289                        | 33.86                  | 18.64                          |
| 8   | #16500.00      | 39.9 AV                       | 54.0              | -14.1          | 2.50 V                   | 289                        | 21.26                  | 18.64                          |

**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 116 | 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   | 5420.00        | 52.8 PK                       | 74.0              | -21.2          | 1.10 H                   | 339                        | 50.07                  | 2.73                           |
| 2   | 5420.00        | 42.6 AV                       | 54.0              | -11.4          | 1.10 H                   | 339                        | 39.87                  | 2.73                           |
| 3   | *5580.00       | 105.8 PK                      |                   |                | 1.13 H                   | 344                        | 102.74                 | 3.06                           |
| 4   | *5580.00       | 96.1 AV                       |                   |                | 1.13 H                   | 344                        | 93.04                  | 3.06                           |
| 5   | #5740.00       | 51.8 PK                       | 74.0              | -22.2          | 1.08 H                   | 339                        | 48.43                  | 3.37                           |
| 6   | #5740.00       | 41.1 AV                       | 54.0              | -12.9          | 1.08 H                   | 339                        | 37.73                  | 3.37                           |
| 7   | 11160.00       | 50.5 PK                       | 74.0              | -23.5          | 1.98 H                   | 128                        | 36.88                  | 13.62                          |
| 8   | 11160.00       | 37.8 AV                       | 54.0              | -16.2          | 1.98 H                   | 128                        | 24.18                  | 13.62                          |
| 9   | #16740.00      | 52.4 PK                       | 74.0              | -21.6          | 2.03 H                   | 129                        | 32.81                  | 19.59                          |
| 10  | #16740.00      | 39.5 AV                       | 54.0              | -14.5          | 2.03 H                   | 129                        | 19.91                  | 19.59                          |

**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   | 5420.00        | 62.9 PK                       | 74.0              | -11.1          | 3.24 V                   | 231                        | 60.17                  | 2.73                           |
| 2   | 5420.00        | 53.0 AV                       | 54.0              | -1.0           | 3.24 V                   | 231                        | 50.27                  | 2.73                           |
| 3   | *5580.00       | 115.6 PK                      |                   |                | 2.70 V                   | 342                        | 112.54                 | 3.06                           |
| 4   | *5580.00       | 105.8 AV                      |                   |                | 2.70 V                   | 342                        | 102.74                 | 3.06                           |
| 5   | #5740.00       | 62.3 PK                       | 74.0              | -11.7          | 3.21 V                   | 225                        | 58.93                  | 3.37                           |
| 6   | #5740.00       | 51.6 AV                       | 54.0              | -2.4           | 3.21 V                   | 225                        | 48.23                  | 3.37                           |
| 7   | 11160.00       | 50.7 PK                       | 74.0              | -23.3          | 2.38 V                   | 132                        | 37.08                  | 13.62                          |
| 8   | 11160.00       | 37.9 AV                       | 54.0              | -16.1          | 2.38 V                   | 132                        | 24.28                  | 13.62                          |
| 9   | #16740.00      | 52.6 PK                       | 74.0              | -21.4          | 2.51 V                   | 282                        | 33.01                  | 19.59                          |
| 10  | #16740.00      | 40.3 AV                       | 54.0              | -13.7          | 2.51 V                   | 282                        | 20.71                  | 19.59                          |

**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   | 5460.00        | 49.0 PK                       | 74.0              | -25.0          | 1.17 H                   | 344                        | 46.22                  | 2.78                           |
| 2   | 5460.00        | 41.9 AV                       | 54.0              | -12.1          | 1.17 H                   | 344                        | 39.12                  | 2.78                           |
| 3   | *5700.00       | 104.6 PK                      |                   |                | 1.11 H                   | 339                        | 101.28                 | 3.32                           |
| 4   | *5700.00       | 94.5 AV                       |                   |                | 1.11 H                   | 339                        | 91.18                  | 3.32                           |
| 5   | #5725.00       | 64.0 PK                       | 74.0              | -10.0          | 1.11 H                   | 340                        | 60.64                  | 3.36                           |
| 6   | #5725.00       | 43.2 AV                       | 54.0              | -10.8          | 1.11 H                   | 340                        | 39.84                  | 3.36                           |
| 7   | 11400.00       | 50.2 PK                       | 74.0              | -23.8          | 1.99 H                   | 138                        | 36.59                  | 13.61                          |
| 8   | 11400.00       | 37.5 AV                       | 54.0              | -16.5          | 1.99 H                   | 138                        | 23.89                  | 13.61                          |
| 9   | #17100.00      | 52.8 PK                       | 74.0              | -21.2          | 2.05 H                   | 148                        | 31.90                  | 20.90                          |
| 10  | #17100.00      | 39.9 AV                       | 54.0              | -14.1          | 2.05 H                   | 148                        | 19.00                  | 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   | 5460.00        | 59.0 PK                       | 74.0              | -15.0          | 2.69 V                   | 356                        | 56.22                  | 2.78                           |
| 2   | 5460.00        | 51.7 AV                       | 54.0              | -2.3           | 2.69 V                   | 356                        | 48.92                  | 2.78                           |
| 3   | *5700.00       | 114.2 PK                      |                   |                | 2.50 V                   | 336                        | 110.88                 | 3.32                           |
| 4   | *5700.00       | 104.1 AV                      |                   |                | 2.50 V                   | 336                        | 100.78                 | 3.32                           |
| 5   | #5725.00       | 73.8 PK                       | 74.0              | -0.2           | 2.53 V                   | 341                        | 70.44                  | 3.36                           |
| 6   | #5725.00       | 53.1 AV                       | 54.0              | -0.9           | 2.53 V                   | 341                        | 49.74                  | 3.36                           |
| 7   | 11400.00       | 51.4 PK                       | 74.0              | -22.6          | 2.41 V                   | 149                        | 37.79                  | 13.61                          |
| 8   | 11400.00       | 38.7 AV                       | 54.0              | -15.3          | 2.41 V                   | 149                        | 25.09                  | 13.61                          |
| 9   | #17100.00      | 53.2 PK                       | 74.0              | -20.8          | 2.51 V                   | 306                        | 32.30                  | 20.90                          |
| 10  | #17100.00      | 40.8 AV                       | 54.0              | -13.2          | 2.51 V                   | 306                        | 19.90                  | 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 144 | <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   | *5720.00       | 106.0 PK                      |                   |                | 1.08 H                   | 344                        | 102.65                 | 3.35                           |
| 2   | *5720.00       | 95.4 AV                       |                   |                | 1.08 H                   | 344                        | 92.05                  | 3.35                           |
| 3   | #5880.00       | 54.1 PK                       | 74.0              | -19.9          | 1.16 H                   | 351                        | 50.58                  | 3.52                           |
| 4   | #5880.00       | 43.1 AV                       | 54.0              | -10.9          | 1.16 H                   | 351                        | 39.58                  | 3.52                           |
| 5   | 11440.00       | 50.2 PK                       | 74.0              | -23.8          | 2.07 H                   | 117                        | 36.64                  | 13.56                          |
| 6   | 11440.00       | 37.2 AV                       | 54.0              | -16.8          | 2.07 H                   | 117                        | 23.64                  | 13.56                          |
| 7   | #17160.00      | 52.7 PK                       | 74.0              | -21.3          | 2.13 H                   | 136                        | 31.92                  | 20.78                          |
| 8   | #17160.00      | 40.1 AV                       | 54.0              | -13.9          | 2.13 H                   | 136                        | 19.32                  | 20.78                          |

**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   | *5720.00       | 115.7 PK                      |                   |                | 2.68 V                   | 18                         | 112.35                 | 3.35                           |
| 2   | *5720.00       | 105.4 AV                      |                   |                | 2.68 V                   | 18                         | 102.05                 | 3.35                           |
| 3   | #5880.00       | 64.1 PK                       | 74.0              | -9.9           | 2.38 V                   | 218                        | 60.58                  | 3.52                           |
| 4   | #5880.00       | 53.3 AV                       | 54.0              | -0.7           | 2.38 V                   | 218                        | 49.78                  | 3.52                           |
| 5   | 11440.00       | 50.8 PK                       | 74.0              | -23.2          | 2.38 V                   | 132                        | 37.24                  | 13.56                          |
| 6   | 11440.00       | 38.3 AV                       | 54.0              | -15.7          | 2.38 V                   | 132                        | 24.74                  | 13.56                          |
| 7   | #17160.00      | 52.8 PK                       | 74.0              | -21.2          | 2.44 V                   | 298                        | 32.02                  | 20.78                          |
| 8   | #17160.00      | 40.2 AV                       | 54.0              | -13.8          | 2.44 V                   | 298                        | 19.42                  | 20.78                          |

**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.

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|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <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                                                   | 5120.00        | 46.7 PK                       | 74.0              | -27.3          | 1.14 H                   | 345                        | 44.35                  | 2.35                           |
| 2                                                   | 5120.00        | 37.5 AV                       | 54.0              | -16.5          | 1.14 H                   | 345                        | 35.15                  | 2.35                           |
| 3                                                   | *5270.00       | 101.9 PK                      |                   |                | 1.08 H                   | 351                        | 99.34                  | 2.56                           |
| 4                                                   | *5270.00       | 91.5 AV                       |                   |                | 1.08 H                   | 351                        | 88.94                  | 2.56                           |
| 5                                                   | 5350.00        | 57.0 PK                       | 74.0              | -17.0          | 1.16 H                   | 352                        | 54.35                  | 2.65                           |
| 6                                                   | 5350.00        | 43.8 AV                       | 54.0              | -10.2          | 1.16 H                   | 352                        | 41.15                  | 2.65                           |
| 7                                                   | #10540.00      | 50.3 PK                       | 74.0              | -23.7          | 2.02 H                   | 130                        | 37.78                  | 12.52                          |
| 8                                                   | #10540.00      | 37.8 AV                       | 54.0              | -16.2          | 2.02 H                   | 130                        | 25.28                  | 12.52                          |
| 9                                                   | 15810.00       | 52.5 PK                       | 74.0              | -21.5          | 2.08 H                   | 130                        | 37.74                  | 14.76                          |
| 10                                                  | 15810.00       | 39.7 AV                       | 54.0              | -14.3          | 2.08 H                   | 130                        | 24.94                  | 14.76                          |
| 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                                                   | 5120.00        | 56.9 PK                       | 74.0              | -17.1          | 2.78 V                   | 229                        | 54.55                  | 2.35                           |
| 2                                                   | 5120.00        | 47.5 AV                       | 54.0              | -6.5           | 2.78 V                   | 229                        | 45.15                  | 2.35                           |
| 3                                                   | *5270.00       | 111.4 PK                      |                   |                | 2.75 V                   | 211                        | 108.84                 | 2.56                           |
| 4                                                   | *5270.00       | 101.3 AV                      |                   |                | 2.75 V                   | 211                        | 98.74                  | 2.56                           |
| 5                                                   | 5350.00        | 67.0 PK                       | 74.0              | -7.0           | 2.79 V                   | 212                        | 64.35                  | 2.65                           |
| 6                                                   | 5350.00        | 53.6 AV                       | 54.0              | -0.4           | 2.79 V                   | 212                        | 50.95                  | 2.65                           |
| 7                                                   | #10540.00      | 50.3 PK                       | 74.0              | -23.7          | 2.42 V                   | 149                        | 37.78                  | 12.52                          |
| 8                                                   | #10540.00      | 37.8 AV                       | 54.0              | -16.2          | 2.42 V                   | 149                        | 25.28                  | 12.52                          |
| 9                                                   | 15810.00       | 53.1 PK                       | 74.0              | -20.9          | 2.48 V                   | 292                        | 38.34                  | 14.76                          |
| 10                                                  | 15810.00       | 40.6 AV                       | 54.0              | -13.4          | 2.48 V                   | 292                        | 25.84                  | 14.76                          |

## 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       | 98.1 PK                       |                   |                | 1.15 H                   | 353                        | 95.49                  | 2.61                           |
| 2   | *5310.00       | 87.6 AV                       |                   |                | 1.15 H                   | 353                        | 84.99                  | 2.61                           |
| 3   | 5350.00        | 61.4 PK                       | 74.0              | -12.6          | 1.09 H                   | 341                        | 58.75                  | 2.65                           |
| 4   | 5350.00        | 42.9 AV                       | 54.0              | -11.1          | 1.09 H                   | 341                        | 40.25                  | 2.65                           |
| 5   | 10620.00       | 50.2 PK                       | 74.0              | -23.8          | 2.04 H                   | 139                        | 37.32                  | 12.88                          |
| 6   | 10620.00       | 37.7 AV                       | 54.0              | -16.3          | 2.04 H                   | 139                        | 24.82                  | 12.88                          |
| 7   | 15930.00       | 52.5 PK                       | 74.0              | -21.5          | 2.12 H                   | 151                        | 37.60                  | 14.90                          |
| 8   | 15930.00       | 39.7 AV                       | 54.0              | -14.3          | 2.12 H                   | 151                        | 24.80                  | 14.90                          |

**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   | *5310.00       | 107.8 PK                      |                   |                | 2.85 V                   | 238                        | 105.19                 | 2.61                           |
| 2   | *5310.00       | 97.2 AV                       |                   |                | 2.85 V                   | 238                        | 94.59                  | 2.61                           |
| 3   | 5350.00        | 72.1 PK                       | 74.0              | -1.9           | 2.86 V                   | 215                        | 69.45                  | 2.65                           |
| 4   | 5350.00        | 53.3 AV                       | 54.0              | -0.7           | 2.86 V                   | 215                        | 50.65                  | 2.65                           |
| 5   | 10620.00       | 50.6 PK                       | 74.0              | -23.4          | 2.45 V                   | 136                        | 37.72                  | 12.88                          |
| 6   | 10620.00       | 37.7 AV                       | 54.0              | -16.3          | 2.45 V                   | 136                        | 24.82                  | 12.88                          |
| 7   | 15930.00       | 53.0 PK                       | 74.0              | -21.0          | 2.46 V                   | 301                        | 38.10                  | 14.90                          |
| 8   | 15930.00       | 40.5 AV                       | 54.0              | -13.5          | 2.46 V                   | 301                        | 25.60                  | 14.90                          |

**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.



|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 102 | 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   | #5470.00       | 62.5 PK                       | 74.0              | -11.5          | 1.12 H                   | 349                        | 59.71                  | 2.79                           |
| 2   | #5470.00       | 43.7 AV                       | 54.0              | -10.3          | 1.12 H                   | 349                        | 40.91                  | 2.79                           |
| 3   | *5510.00       | 101.2 PK                      |                   |                | 1.18 H                   | 356                        | 98.35                  | 2.85                           |
| 4   | *5510.00       | 90.3 AV                       |                   |                | 1.18 H                   | 356                        | 87.45                  | 2.85                           |
| 5   | #5970.00       | 45.5 PK                       | 74.0              | -28.5          | 1.15 H                   | 357                        | 41.77                  | 3.73                           |
| 6   | #5970.00       | 37.2 AV                       | 54.0              | -16.8          | 1.15 H                   | 357                        | 33.47                  | 3.73                           |
| 7   | 11020.00       | 50.1 PK                       | 74.0              | -23.9          | 2.00 H                   | 115                        | 36.46                  | 13.64                          |
| 8   | 11020.00       | 37.3 AV                       | 54.0              | -16.7          | 2.00 H                   | 115                        | 23.66                  | 13.64                          |
| 9   | #16530.00      | 52.2 PK                       | 74.0              | -21.8          | 2.13 H                   | 132                        | 33.38                  | 18.82                          |
| 10  | #16530.00      | 39.7 AV                       | 54.0              | -14.3          | 2.13 H                   | 132                        | 20.88                  | 18.82                          |

**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       | 72.4 PK                       | 74.0              | -1.6           | 2.78 V                   | 325                        | 69.61                  | 2.79                           |
| 2   | #5470.00       | 53.8 AV                       | 54.0              | -0.2           | 2.78 V                   | 325                        | 51.01                  | 2.79                           |
| 3   | *5510.00       | 110.8 PK                      |                   |                | 2.87 V                   | 352                        | 107.95                 | 2.85                           |
| 4   | *5510.00       | 99.8 AV                       |                   |                | 2.87 V                   | 352                        | 96.95                  | 2.85                           |
| 5   | #5970.00       | 55.9 PK                       | 74.0              | -18.1          | 2.83 V                   | 355                        | 52.17                  | 3.73                           |
| 6   | #5970.00       | 47.7 AV                       | 54.0              | -6.3           | 2.83 V                   | 355                        | 43.97                  | 3.73                           |
| 7   | 11020.00       | 50.8 PK                       | 74.0              | -23.2          | 2.44 V                   | 150                        | 37.16                  | 13.64                          |
| 8   | 11020.00       | 37.9 AV                       | 54.0              | -16.1          | 2.44 V                   | 150                        | 24.26                  | 13.64                          |
| 9   | #16530.00      | 52.8 PK                       | 74.0              | -21.2          | 2.49 V                   | 280                        | 33.98                  | 18.82                          |
| 10  | #16530.00      | 40.3 AV                       | 54.0              | -13.7          | 2.49 V                   | 280                        | 21.48                  | 18.82                          |

**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       | 55.8 PK                       | 74.0              | -18.2          | 1.10 H                   | 337                        | 53.01                  | 2.79                           |
| 2   | #5470.00       | 43.0 AV                       | 54.0              | -11.0          | 1.10 H                   | 337                        | 40.21                  | 2.79                           |
| 3   | *5550.00       | 103.4 PK                      |                   |                | 1.15 H                   | 339                        | 100.42                 | 2.98                           |
| 4   | *5550.00       | 92.8 AV                       |                   |                | 1.15 H                   | 339                        | 89.82                  | 2.98                           |
| 5   | #5725.00       | 48.7 PK                       | 74.0              | -25.3          | 1.13 H                   | 349                        | 45.34                  | 3.36                           |
| 6   | #5725.00       | 38.8 AV                       | 54.0              | -15.2          | 1.13 H                   | 349                        | 35.44                  | 3.36                           |
| 7   | 11100.00       | 49.7 PK                       | 74.0              | -24.3          | 1.97 H                   | 112                        | 36.08                  | 13.62                          |
| 8   | 11100.00       | 37.1 AV                       | 54.0              | -16.9          | 1.97 H                   | 112                        | 23.48                  | 13.62                          |
| 9   | #16650.00      | 52.8 PK                       | 74.0              | -21.2          | 2.08 H                   | 156                        | 33.41                  | 19.39                          |
| 10  | #16650.00      | 40.1 AV                       | 54.0              | -13.9          | 2.08 H                   | 156                        | 20.71                  | 19.39                          |

**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       | 66.4 PK                       | 74.0              | -7.6           | 2.59 V                   | 355                        | 63.61                  | 2.79                           |
| 2   | #5470.00       | 53.4 AV                       | 54.0              | -0.6           | 2.59 V                   | 355                        | 50.61                  | 2.79                           |
| 3   | *5550.00       | 113.6 PK                      |                   |                | 2.69 V                   | 333                        | 110.62                 | 2.98                           |
| 4   | *5550.00       | 103.0 AV                      |                   |                | 2.69 V                   | 333                        | 100.02                 | 2.98                           |
| 5   | #5725.00       | 58.3 PK                       | 74.0              | -15.7          | 2.60 V                   | 325                        | 54.94                  | 3.36                           |
| 6   | #5725.00       | 48.6 AV                       | 54.0              | -5.4           | 2.60 V                   | 325                        | 45.24                  | 3.36                           |
| 7   | 11100.00       | 50.5 PK                       | 74.0              | -23.5          | 2.45 V                   | 131                        | 36.88                  | 13.62                          |
| 8   | 11100.00       | 37.9 AV                       | 54.0              | -16.1          | 2.45 V                   | 131                        | 24.28                  | 13.62                          |
| 9   | #16650.00      | 53.4 PK                       | 74.0              | -20.6          | 2.48 V                   | 305                        | 34.01                  | 19.39                          |
| 10  | #16650.00      | 40.6 AV                       | 54.0              | -13.4          | 2.48 V                   | 305                        | 21.21                  | 19.39                          |

**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 134 | 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   | *5670.00       | 98.8 PK                       |                   |                | 1.09 H                   | 352                        | 95.54                  | 3.26                           |
| 2   | *5670.00       | 88.8 AV                       |                   |                | 1.09 H                   | 352                        | 85.54                  | 3.26                           |
| 3   | #5725.00       | 57.8 PK                       | 74.0              | -16.2          | 1.15 H                   | 344                        | 54.44                  | 3.36                           |
| 4   | #5725.00       | 43.6 AV                       | 54.0              | -10.4          | 1.15 H                   | 344                        | 40.24                  | 3.36                           |
| 5   | 11340.00       | 50.3 PK                       | 74.0              | -23.7          | 2.08 H                   | 132                        | 36.60                  | 13.70                          |
| 6   | 11340.00       | 37.3 AV                       | 54.0              | -16.7          | 2.08 H                   | 132                        | 23.60                  | 13.70                          |
| 7   | #17010.00      | 52.8 PK                       | 74.0              | -21.2          | 2.06 H                   | 135                        | 32.03                  | 20.77                          |
| 8   | #17010.00      | 39.7 AV                       | 54.0              | -14.3          | 2.06 H                   | 135                        | 18.93                  | 20.77                          |

**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       | 109.1 PK                      |                   |                | 2.61 V                   | 335                        | 105.84                 | 3.26                           |
| 2   | *5670.00       | 99.0 AV                       |                   |                | 2.61 V                   | 335                        | 95.74                  | 3.26                           |
| 3   | #5725.00       | 67.6 PK                       | 74.0              | -6.4           | 2.39 V                   | 295                        | 64.24                  | 3.36                           |
| 4   | #5725.00       | 53.6 AV                       | 54.0              | -0.4           | 2.39 V                   | 295                        | 50.24                  | 3.36                           |
| 5   | 11340.00       | 50.8 PK                       | 74.0              | -23.2          | 2.45 V                   | 159                        | 37.10                  | 13.70                          |
| 6   | 11340.00       | 37.8 AV                       | 54.0              | -16.2          | 2.45 V                   | 159                        | 24.10                  | 13.70                          |
| 7   | #17010.00      | 52.9 PK                       | 74.0              | -21.1          | 2.45 V                   | 303                        | 32.13                  | 20.77                          |
| 8   | #17010.00      | 40.2 AV                       | 54.0              | -13.8          | 2.45 V                   | 303                        | 19.43                  | 20.77                          |

**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 142 | <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   | 5460.00        | 52.3 PK                       | 74.0              | -21.7          | 1.11 H                   | 353                        | 49.52                  | 2.78                           |
| 2   | 5460.00        | 42.0 AV                       | 54.0              | -12.0          | 1.11 H                   | 353                        | 39.22                  | 2.78                           |
| 3   | *5710.00       | 103.3 PK                      |                   |                | 1.12 H                   | 348                        | 99.96                  | 3.34                           |
| 4   | *5710.00       | 92.6 AV                       |                   |                | 1.12 H                   | 348                        | 89.26                  | 3.34                           |
| 5   | #5870.00       | 52.7 PK                       | 74.0              | -21.3          | 1.19 H                   | 333                        | 49.19                  | 3.51                           |
| 6   | #5870.00       | 41.2 AV                       | 54.0              | -12.8          | 1.19 H                   | 333                        | 37.69                  | 3.51                           |
| 7   | 11420.00       | 49.9 PK                       | 74.0              | -24.1          | 2.03 H                   | 141                        | 36.31                  | 13.59                          |
| 8   | 11420.00       | 37.3 AV                       | 54.0              | -16.7          | 2.03 H                   | 141                        | 23.71                  | 13.59                          |
| 9   | #17130.00      | 53.5 PK                       | 74.0              | -20.5          | 2.10 H                   | 129                        | 32.67                  | 20.83                          |
| 10  | #17130.00      | 40.4 AV                       | 54.0              | -13.6          | 2.10 H                   | 129                        | 19.57                  | 20.83                          |

**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   | 5460.00        | 61.8 PK                       | 74.0              | -12.2          | 2.67 V                   | 331                        | 59.02                  | 2.78                           |
| 2   | 5460.00        | 51.6 AV                       | 54.0              | -2.4           | 2.67 V                   | 331                        | 48.82                  | 2.78                           |
| 3   | *5710.00       | 114.0 PK                      |                   |                | 3.01 V                   | 325                        | 110.66                 | 3.34                           |
| 4   | *5710.00       | 103.0 AV                      |                   |                | 3.01 V                   | 325                        | 99.66                  | 3.34                           |
| 5   | #5870.00       | 62.8 PK                       | 74.0              | -11.2          | 2.78 V                   | 360                        | 59.29                  | 3.51                           |
| 6   | #5870.00       | 51.4 AV                       | 54.0              | -2.6           | 2.78 V                   | 360                        | 47.89                  | 3.51                           |
| 7   | 11420.00       | 50.9 PK                       | 74.0              | -23.1          | 2.36 V                   | 156                        | 37.31                  | 13.59                          |
| 8   | 11420.00       | 38.0 AV                       | 54.0              | -16.0          | 2.36 V                   | 156                        | 24.41                  | 13.59                          |
| 9   | #17130.00      | 52.2 PK                       | 74.0              | -21.8          | 2.47 V                   | 291                        | 31.37                  | 20.83                          |
| 10  | #17130.00      | 39.8 AV                       | 54.0              | -14.2          | 2.47 V                   | 291                        | 18.97                  | 20.83                          |

**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 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        | 48.3 PK                       | 74.0              | -25.7          | 1.19 H                   | 350                        | 45.93                  | 2.37                           |
| 2                                                   | 5150.00        | 33.9 AV                       | 54.0              | -20.1          | 1.19 H                   | 350                        | 31.53                  | 2.37                           |
| 3                                                   | *5290.00       | 94.5 PK                       |                   |                | 1.18 H                   | 348                        | 91.91                  | 2.59                           |
| 4                                                   | *5290.00       | 83.1 AV                       |                   |                | 1.18 H                   | 348                        | 80.51                  | 2.59                           |
| 5                                                   | 5350.00        | 61.3 PK                       | 74.0              | -12.7          | 1.18 H                   | 338                        | 58.65                  | 2.65                           |
| 6                                                   | 5350.00        | 43.0 AV                       | 54.0              | -11.0          | 1.18 H                   | 338                        | 40.35                  | 2.65                           |
| 7                                                   | #10580.00      | 49.8 PK                       | 74.0              | -24.2          | 2.06 H                   | 128                        | 37.05                  | 12.75                          |
| 8                                                   | #10580.00      | 37.3 AV                       | 54.0              | -16.7          | 2.06 H                   | 128                        | 24.55                  | 12.75                          |
| 9                                                   | 15870.00       | 52.2 PK                       | 74.0              | -21.8          | 2.07 H                   | 148                        | 37.37                  | 14.83                          |
| 10                                                  | 15870.00       | 39.5 AV                       | 54.0              | -14.5          | 2.07 H                   | 148                        | 24.67                  | 14.83                          |
| 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        | 58.4 PK                       | 74.0              | -15.6          | 2.52 V                   | 260                        | 56.03                  | 2.37                           |
| 2                                                   | 5150.00        | 43.9 AV                       | 54.0              | -10.1          | 2.52 V                   | 260                        | 41.53                  | 2.37                           |
| 3                                                   | *5290.00       | 104.4 PK                      |                   |                | 2.47 V                   | 269                        | 101.81                 | 2.59                           |
| 4                                                   | *5290.00       | 93.1 AV                       |                   |                | 2.47 V                   | 269                        | 90.51                  | 2.59                           |
| 5                                                   | 5350.00        | 71.8 PK                       | 74.0              | -2.2           | 2.44 V                   | 261                        | 69.15                  | 2.65                           |
| 6                                                   | 5350.00        | 53.5 AV                       | 54.0              | -0.5           | 2.44 V                   | 261                        | 50.85                  | 2.65                           |
| 7                                                   | #10580.00      | 51.4 PK                       | 74.0              | -22.6          | 2.36 V                   | 158                        | 38.65                  | 12.75                          |
| 8                                                   | #10580.00      | 38.5 AV                       | 54.0              | -15.5          | 2.36 V                   | 158                        | 25.75                  | 12.75                          |
| 9                                                   | 15870.00       | 52.8 PK                       | 74.0              | -21.2          | 2.53 V                   | 275                        | 37.97                  | 14.83                          |
| 10                                                  | 15870.00       | 40.4 AV                       | 54.0              | -13.6          | 2.53 V                   | 275                        | 25.57                  | 14.83                          |

## 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 106 | 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   | #5470.00       | 63.4 PK                       | 74.0              | -10.6          | 1.11 H                   | 340                        | 60.61                  | 2.79                           |
| 2   | #5470.00       | 43.3 AV                       | 54.0              | -10.7          | 1.11 H                   | 340                        | 40.51                  | 2.79                           |
| 3   | *5530.00       | 97.1 PK                       |                   |                | 1.12 H                   | 334                        | 94.18                  | 2.92                           |
| 4   | *5530.00       | 84.8 AV                       |                   |                | 1.12 H                   | 334                        | 81.88                  | 2.92                           |
| 5   | 11060.00       | 50.5 PK                       | 74.0              | -23.5          | 2.02 H                   | 129                        | 36.87                  | 13.63                          |
| 6   | 11060.00       | 37.9 AV                       | 54.0              | -16.1          | 2.02 H                   | 129                        | 24.27                  | 13.63                          |
| 7   | #16590.00      | 52.8 PK                       | 74.0              | -21.2          | 2.07 H                   | 141                        | 33.62                  | 19.18                          |
| 8   | #16590.00      | 39.8 AV                       | 54.0              | -14.2          | 2.07 H                   | 141                        | 20.62                  | 19.18                          |

**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       | 73.7 PK                       | 74.0              | -0.3           | 2.43 V                   | 293                        | 70.91                  | 2.79                           |
| 2   | #5470.00       | 53.6 AV                       | 54.0              | -0.4           | 2.43 V                   | 293                        | 50.81                  | 2.79                           |
| 3   | *5530.00       | 107.1 PK                      |                   |                | 2.41 V                   | 292                        | 104.18                 | 2.92                           |
| 4   | *5530.00       | 94.8 AV                       |                   |                | 2.41 V                   | 292                        | 91.88                  | 2.92                           |
| 5   | 11060.00       | 51.3 PK                       | 74.0              | -22.7          | 2.42 V                   | 147                        | 37.67                  | 13.63                          |
| 6   | 11060.00       | 38.6 AV                       | 54.0              | -15.4          | 2.42 V                   | 147                        | 24.97                  | 13.63                          |
| 7   | #16590.00      | 52.4 PK                       | 74.0              | -21.6          | 2.48 V                   | 292                        | 33.22                  | 19.18                          |
| 8   | #16590.00      | 39.9 AV                       | 54.0              | -14.1          | 2.48 V                   | 292                        | 20.72                  | 19.18                          |

**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 122 | <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       | 52.2 PK                       | 74.0              | -21.8          | 1.17 H                   | 339                        | 49.41                  | 2.79                           |
| 2   | #5470.00       | 39.6 AV                       | 54.0              | -14.4          | 1.17 H                   | 339                        | 36.81                  | 2.79                           |
| 3   | *5610.00       | 97.8 PK                       |                   |                | 1.19 H                   | 343                        | 94.65                  | 3.15                           |
| 4   | *5610.00       | 85.7 AV                       |                   |                | 1.19 H                   | 343                        | 82.55                  | 3.15                           |
| 5   | #5725.00       | 59.6 PK                       | 74.0              | -14.4          | 1.14 H                   | 353                        | 56.24                  | 3.36                           |
| 6   | #5725.00       | 43.4 AV                       | 54.0              | -10.6          | 1.14 H                   | 353                        | 40.04                  | 3.36                           |
| 7   | 11220.00       | 50.5 PK                       | 74.0              | -23.5          | 2.00 H                   | 140                        | 36.86                  | 13.64                          |
| 8   | 11220.00       | 37.6 AV                       | 54.0              | -16.4          | 2.00 H                   | 140                        | 23.96                  | 13.64                          |
| 9   | #16830.00      | 52.7 PK                       | 74.0              | -21.3          | 2.07 H                   | 154                        | 32.85                  | 19.85                          |
| 10  | #16830.00      | 40.0 AV                       | 54.0              | -14.0          | 2.07 H                   | 154                        | 20.15                  | 19.85                          |

**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       | 62.0 PK                       | 74.0              | -12.0          | 2.47 V                   | 276                        | 59.21                  | 2.79                           |
| 2   | #5470.00       | 49.6 AV                       | 54.0              | -4.4           | 2.47 V                   | 276                        | 46.81                  | 2.79                           |
| 3   | *5610.00       | 107.5 PK                      |                   |                | 2.51 V                   | 274                        | 104.35                 | 3.15                           |
| 4   | *5610.00       | 95.3 AV                       |                   |                | 2.51 V                   | 274                        | 92.15                  | 3.15                           |
| 5   | #5725.00       | 69.5 PK                       | 74.0              | -4.5           | 2.50 V                   | 275                        | 66.14                  | 3.36                           |
| 6   | #5725.00       | 53.3 AV                       | 54.0              | -0.7           | 2.50 V                   | 275                        | 49.94                  | 3.36                           |
| 7   | 11220.00       | 51.2 PK                       | 74.0              | -22.8          | 2.37 V                   | 143                        | 37.56                  | 13.64                          |
| 8   | 11220.00       | 38.7 AV                       | 54.0              | -15.3          | 2.37 V                   | 143                        | 25.06                  | 13.64                          |
| 9   | #16830.00      | 52.8 PK                       | 74.0              | -21.2          | 2.47 V                   | 296                        | 32.95                  | 19.85                          |
| 10  | #16830.00      | 40.4 AV                       | 54.0              | -13.6          | 2.47 V                   | 296                        | 20.55                  | 19.85                          |

**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 138 | 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   | *5690.00       | 99.2 PK                       |                   |                | 1.15 H                   | 359                        | 95.90                  | 3.30                           |
| 2   | *5690.00       | 87.2 AV                       |                   |                | 1.15 H                   | 359                        | 83.90                  | 3.30                           |
| 3   | #5850.00       | 54.0 PK                       | 78.2              | -24.2          | 1.12 H                   | 347                        | 50.51                  | 3.49                           |
| 4   | 11380.00       | 50.1 PK                       | 74.0              | -23.9          | 2.01 H                   | 137                        | 36.47                  | 13.63                          |
| 5   | 11380.00       | 37.4 AV                       | 54.0              | -16.6          | 2.01 H                   | 137                        | 23.77                  | 13.63                          |
| 6   | #17070.00      | 52.7 PK                       | 74.0              | -21.3          | 2.07 H                   | 144                        | 31.85                  | 20.85                          |
| 7   | #17070.00      | 39.8 AV                       | 54.0              | -14.2          | 2.07 H                   | 144                        | 18.95                  | 20.85                          |

**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   | *5690.00       | 108.6 PK                      |                   |                | 2.86 V                   | 360                        | 105.30                 | 3.30                           |
| 2   | *5690.00       | 96.7 AV                       |                   |                | 2.86 V                   | 360                        | 93.40                  | 3.30                           |
| 3   | #5850.00       | 63.6 PK                       | 78.2              | -14.6          | 2.79 V                   | 360                        | 60.11                  | 3.49                           |
| 4   | 11380.00       | 51.1 PK                       | 74.0              | -22.9          | 2.37 V                   | 146                        | 37.47                  | 13.63                          |
| 5   | 11380.00       | 38.4 AV                       | 54.0              | -15.6          | 2.37 V                   | 146                        | 24.77                  | 13.63                          |
| 6   | #17070.00      | 53.2 PK                       | 74.0              | -20.8          | 2.49 V                   | 283                        | 32.35                  | 20.85                          |
| 7   | #17070.00      | 40.5 AV                       | 54.0              | -13.5          | 2.49 V                   | 283                        | 19.65                  | 20.85                          |

**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.



1TX  
ANT9  
802.11a

|                        |               |                 |              |
|------------------------|---------------|-----------------|--------------|
| <b>CHANNEL</b>         | TX Channel 52 | <b>DETECTOR</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  | <b>FUNCTION</b> | 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                                                   | 5100.00     | 55.1 PK                 | 74.0           | -18.9       | 1.14 H             | 348                  | 52.78            | 2.32                     |
| 2                                                   | 5100.00     | 44.9 AV                 | 54.0           | -9.1        | 1.14 H             | 348                  | 42.58            | 2.32                     |
| 3                                                   | *5260.00    | 111.3 PK                |                |             | 1.17 H             | 338                  | 108.76           | 2.54                     |
| 4                                                   | *5260.00    | 101.4 AV                |                |             | 1.17 H             | 338                  | 98.86            | 2.54                     |
| 5                                                   | 5420.00     | 52.4 PK                 | 74.0           | -21.6       | 1.19 H             | 334                  | 49.67            | 2.73                     |
| 6                                                   | 5420.00     | 42.5 AV                 | 54.0           | -11.5       | 1.19 H             | 334                  | 39.77            | 2.73                     |
| 7                                                   | #10520.00   | 52.6 PK                 | 74.0           | -21.4       | 1.98 H             | 117                  | 40.20            | 12.40                    |
| 8                                                   | #10520.00   | 41.8 AV                 | 54.0           | -12.2       | 1.98 H             | 117                  | 29.40            | 12.40                    |
| 9                                                   | 15780.00    | 56.4 PK                 | 74.0           | -17.6       | 2.22 H             | 138                  | 41.58            | 14.82                    |
| 10                                                  | 15780.00    | 45.5 AV                 | 54.0           | -8.5        | 2.22 H             | 138                  | 30.68            | 14.82                    |
| 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                                                   | 5100.00     | 59.2 PK                 | 74.0           | -14.8       | 1.09 V             | 308                  | 56.88            | 2.32                     |
| 2                                                   | 5100.00     | 49.0 AV                 | 54.0           | -5.0        | 1.09 V             | 308                  | 46.68            | 2.32                     |
| 3                                                   | *5260.00    | 114.5 PK                |                |             | 2.28 V             | 279                  | 111.96           | 2.54                     |
| 4                                                   | *5260.00    | 104.9 AV                |                |             | 2.28 V             | 279                  | 102.36           | 2.54                     |
| 5                                                   | 5420.00     | 56.5 PK                 | 74.0           | -17.5       | 1.01 V             | 288                  | 53.77            | 2.73                     |
| 6                                                   | 5420.00     | 46.4 AV                 | 54.0           | -7.6        | 1.01 V             | 288                  | 43.67            | 2.73                     |
| 7                                                   | #10520.00   | 51.8 PK                 | 74.0           | -22.2       | 2.50 V             | 186                  | 39.40            | 12.40                    |
| 8                                                   | #10520.00   | 41.6 AV                 | 54.0           | -12.4       | 2.50 V             | 186                  | 29.20            | 12.40                    |
| 9                                                   | 15780.00    | 56.3 PK                 | 74.0           | -17.7       | 2.40 V             | 261                  | 41.48            | 14.82                    |
| 10                                                  | 15780.00    | 45.2 AV                 | 54.0           | -8.8        | 2.40 V             | 261                  | 30.38            | 14.82                    |

**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   | 5140.00        | 49.5 PK                       | 74.0              | -24.5          | 1.20 H                   | 339                        | 47.13                  | 2.37                           |
| 2   | 5140.00        | 40.4 AV                       | 54.0              | -13.6          | 1.20 H                   | 339                        | 38.03                  | 2.37                           |
| 3   | *5300.00       | 110.3 PK                      |                   |                | 1.16 H                   | 358                        | 107.69                 | 2.61                           |
| 4   | *5300.00       | 100.0 AV                      |                   |                | 1.16 H                   | 358                        | 97.39                  | 2.61                           |
| 5   | 5460.00        | 52.4 PK                       | 74.0              | -21.6          | 1.18 H                   | 338                        | 49.62                  | 2.78                           |
| 6   | 5460.00        | 42.9 AV                       | 54.0              | -11.1          | 1.18 H                   | 338                        | 40.12                  | 2.78                           |
| 7   | 10600.00       | 52.7 PK                       | 74.0              | -21.3          | 2.04 H                   | 138                        | 39.84                  | 12.86                          |
| 8   | 10600.00       | 41.8 AV                       | 54.0              | -12.2          | 2.04 H                   | 138                        | 28.94                  | 12.86                          |
| 9   | 15900.00       | 56.8 PK                       | 74.0              | -17.2          | 2.23 H                   | 128                        | 41.93                  | 14.87                          |
| 10  | 15900.00       | 45.7 AV                       | 54.0              | -8.3           | 2.23 H                   | 128                        | 30.83                  | 14.87                          |

**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   | 5140.00        | 53.9 PK                       | 74.0              | -20.1          | 1.05 V                   | 311                        | 51.53                  | 2.37                           |
| 2   | 5140.00        | 44.6 AV                       | 54.0              | -9.4           | 1.05 V                   | 311                        | 42.23                  | 2.37                           |
| 3   | *5300.00       | 114.5 PK                      |                   |                | 1.97 V                   | 308                        | 111.89                 | 2.61                           |
| 4   | *5300.00       | 104.2 AV                      |                   |                | 1.97 V                   | 308                        | 101.59                 | 2.61                           |
| 5   | 5460.00        | 56.7 PK                       | 74.0              | -17.3          | 1.05 V                   | 70                         | 53.92                  | 2.78                           |
| 6   | 5460.00        | 47.0 AV                       | 54.0              | -7.0           | 1.05 V                   | 70                         | 44.22                  | 2.78                           |
| 7   | 10600.00       | 51.8 PK                       | 74.0              | -22.2          | 2.49 V                   | 172                        | 38.94                  | 12.86                          |
| 8   | 10600.00       | 41.5 AV                       | 54.0              | -12.5          | 2.49 V                   | 172                        | 28.64                  | 12.86                          |
| 9   | 15900.00       | 56.1 PK                       | 74.0              | -17.9          | 2.29 V                   | 261                        | 41.23                  | 14.87                          |
| 10  | 15900.00       | 45.2 AV                       | 54.0              | -8.8           | 2.29 V                   | 261                        | 30.33                  | 14.87                          |

**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       | 110.4 PK                      |                   |                | 1.19 H                   | 342                        | 107.77                 | 2.63                           |
| 2                                                   | *5320.00       | 99.6 AV                       |                   |                | 1.19 H                   | 342                        | 96.97                  | 2.63                           |
| 3                                                   | 5350.00        | 66.5 PK                       | 74.0              | -7.5           | 1.15 H                   | 354                        | 63.85                  | 2.65                           |
| 4                                                   | 5350.00        | 49.3 AV                       | 54.0              | -4.7           | 1.15 H                   | 354                        | 46.65                  | 2.65                           |
| 5                                                   | 10640.00       | 52.2 PK                       | 74.0              | -21.8          | 1.99 H                   | 112                        | 39.32                  | 12.88                          |
| 6                                                   | 10640.00       | 41.6 AV                       | 54.0              | -12.4          | 1.99 H                   | 112                        | 28.72                  | 12.88                          |
| 7                                                   | 15960.00       | 56.2 PK                       | 74.0              | -17.8          | 2.17 H                   | 143                        | 41.27                  | 14.93                          |
| 8                                                   | 15960.00       | 45.3 AV                       | 54.0              | -8.7           | 2.17 H                   | 143                        | 30.37                  | 14.93                          |
| 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       | 114.0 PK                      |                   |                | 2.19 V                   | 274                        | 111.37                 | 2.63                           |
| 2                                                   | *5320.00       | 103.2 AV                      |                   |                | 2.19 V                   | 274                        | 100.57                 | 2.63                           |
| 3                                                   | 5350.00        | 70.5 PK                       | 74.0              | -3.5           | 2.32 V                   | 70                         | 67.85                  | 2.65                           |
| 4                                                   | 5350.00        | 53.1 AV                       | 54.0              | -0.9           | 2.32 V                   | 70                         | 50.45                  | 2.65                           |
| 5                                                   | 10640.00       | 51.5 PK                       | 74.0              | -22.5          | 2.41 V                   | 183                        | 38.62                  | 12.88                          |
| 6                                                   | 10640.00       | 41.5 AV                       | 54.0              | -12.5          | 2.41 V                   | 183                        | 28.62                  | 12.88                          |
| 7                                                   | 15960.00       | 56.7 PK                       | 74.0              | -17.3          | 2.32 V                   | 257                        | 41.77                  | 14.93                          |
| 8                                                   | 15960.00       | 45.8 AV                       | 54.0              | -8.2           | 2.32 V                   | 257                        | 30.87                  | 14.93                          |

# 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       | 66.8 PK                       | 74.0              | -7.2           | 1.23 H                   | 338                        | 64.01                  | 2.79                           |
| 2   | #5470.00       | 48.9 AV                       | 54.0              | -5.1           | 1.23 H                   | 338                        | 46.11                  | 2.79                           |
| 3   | *5500.00       | 110.4 PK                      |                   |                | 1.13 H                   | 337                        | 107.57                 | 2.83                           |
| 4   | *5500.00       | 99.9 AV                       |                   |                | 1.13 H                   | 337                        | 97.07                  | 2.83                           |
| 5   | #5735.00       | 57.7 PK                       | 74.0              | -16.3          | 1.13 H                   | 339                        | 54.33                  | 3.37                           |
| 6   | #5735.00       | 47.6 AV                       | 54.0              | -6.4           | 1.13 H                   | 339                        | 44.23                  | 3.37                           |
| 7   | 11000.00       | 53.0 PK                       | 74.0              | -21.0          | 2.01 H                   | 116                        | 39.36                  | 13.64                          |
| 8   | 11000.00       | 42.2 AV                       | 54.0              | -11.8          | 2.01 H                   | 116                        | 28.56                  | 13.64                          |
| 9   | #16500.00      | 57.0 PK                       | 74.0              | -17.0          | 2.19 H                   | 118                        | 38.36                  | 18.64                          |
| 10  | #16500.00      | 46.0 AV                       | 54.0              | -8.0           | 2.19 H                   | 118                        | 27.36                  | 18.64                          |

**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       | 70.6 PK                       | 74.0              | -3.4           | 2.22 V                   | 299                        | 67.81                  | 2.79                           |
| 2   | #5470.00       | 53.0 AV                       | 54.0              | -1.0           | 2.22 V                   | 299                        | 50.21                  | 2.79                           |
| 3   | *5500.00       | 114.7 PK                      |                   |                | 1.02 V                   | 61                         | 111.87                 | 2.83                           |
| 4   | *5500.00       | 104.0 AV                      |                   |                | 1.02 V                   | 61                         | 101.17                 | 2.83                           |
| 5   | #5735.00       | 61.6 PK                       | 74.0              | -12.4          | 1.22 V                   | 73                         | 58.23                  | 3.37                           |
| 6   | #5735.00       | 51.6 AV                       | 54.0              | -2.4           | 1.22 V                   | 73                         | 48.23                  | 3.37                           |
| 7   | 11000.00       | 50.8 PK                       | 74.0              | -23.2          | 2.40 V                   | 198                        | 37.16                  | 13.64                          |
| 8   | 11000.00       | 40.8 AV                       | 54.0              | -13.2          | 2.40 V                   | 198                        | 27.16                  | 13.64                          |
| 9   | #16500.00      | 56.1 PK                       | 74.0              | -17.9          | 2.37 V                   | 271                        | 37.46                  | 18.64                          |
| 10  | #16500.00      | 45.4 AV                       | 54.0              | -8.6           | 2.37 V                   | 271                        | 26.76                  | 18.64                          |

**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   | 5420.00        | 55.3 PK                       | 74.0              | -18.7          | 1.22 H                   | 360                        | 52.57                  | 2.73                           |
| 2   | 5420.00        | 45.6 AV                       | 54.0              | -8.4           | 1.22 H                   | 360                        | 42.87                  | 2.73                           |
| 3   | *5580.00       | 111.2 PK                      |                   |                | 1.15 H                   | 343                        | 108.14                 | 3.06                           |
| 4   | *5580.00       | 100.6 AV                      |                   |                | 1.15 H                   | 343                        | 97.54                  | 3.06                           |
| 5   | #5740.00       | 56.2 PK                       | 74.0              | -17.8          | 1.21 H                   | 360                        | 52.83                  | 3.37                           |
| 6   | #5740.00       | 46.8 AV                       | 54.0              | -7.2           | 1.21 H                   | 360                        | 43.43                  | 3.37                           |
| 7   | #5820.00       | 56.4 PK                       | 74.0              | -17.6          | 1.12 H                   | 346                        | 52.93                  | 3.47                           |
| 8   | #5820.00       | 46.6 AV                       | 54.0              | -7.4           | 1.12 H                   | 346                        | 43.13                  | 3.47                           |
| 9   | 11160.00       | 53.0 PK                       | 74.0              | -21.0          | 1.99 H                   | 130                        | 39.38                  | 13.62                          |
| 10  | 11160.00       | 42.1 AV                       | 54.0              | -11.9          | 1.99 H                   | 130                        | 28.48                  | 13.62                          |
| 11  | #16740.00      | 56.5 PK                       | 74.0              | -17.5          | 2.25 H                   | 135                        | 36.91                  | 19.59                          |
| 12  | #16740.00      | 45.4 AV                       | 54.0              | -8.6           | 2.25 H                   | 135                        | 25.81                  | 19.59                          |

**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   | 5420.00        | 59.6 PK                       | 74.0              | -14.4          | 1.04 V                   | 56                         | 56.87                  | 2.73                           |
| 2   | 5420.00        | 49.9 AV                       | 54.0              | -4.1           | 1.04 V                   | 56                         | 47.17                  | 2.73                           |
| 3   | *5580.00       | 115.3 PK                      |                   |                | 1.06 V                   | 70                         | 112.24                 | 3.06                           |
| 4   | *5580.00       | 104.8 AV                      |                   |                | 1.06 V                   | 70                         | 101.74                 | 3.06                           |
| 5   | #5740.00       | 60.3 PK                       | 74.0              | -13.7          | 1.06 V                   | 74                         | 56.93                  | 3.37                           |
| 6   | #5740.00       | 50.6 AV                       | 54.0              | -3.4           | 1.06 V                   | 74                         | 47.23                  | 3.37                           |
| 7   | #5820.00       | 59.9 PK                       | 74.0              | -14.1          | 1.09 V                   | 63                         | 56.43                  | 3.47                           |
| 8   | #5820.00       | 50.3 AV                       | 54.0              | -3.7           | 1.09 V                   | 63                         | 46.83                  | 3.47                           |
| 9   | 11160.00       | 51.5 PK                       | 74.0              | -22.5          | 2.45 V                   | 177                        | 37.88                  | 13.62                          |
| 10  | 11160.00       | 41.5 AV                       | 54.0              | -12.5          | 2.45 V                   | 177                        | 27.88                  | 13.62                          |
| 11  | #16740.00      | 56.0 PK                       | 74.0              | -18.0          | 2.33 V                   | 271                        | 36.41                  | 19.59                          |
| 12  | #16740.00      | 45.2 AV                       | 54.0              | -8.8           | 2.33 V                   | 271                        | 25.61                  | 19.59                          |

**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       | 106.7 PK                      |                   |                | 1.22 H                   | 349                        | 103.38                 | 3.32                           |
| 2   | *5700.00       | 97.1 AV                       |                   |                | 1.22 H                   | 349                        | 93.78                  | 3.32                           |
| 3   | #5725.00       | 68.2 PK                       | 74.0              | -5.8           | 1.13 H                   | 343                        | 64.84                  | 3.36                           |
| 4   | #5725.00       | 49.4 AV                       | 54.0              | -4.6           | 1.13 H                   | 343                        | 46.04                  | 3.36                           |
| 5   | #5780.00       | 52.4 PK                       | 74.0              | -21.6          | 1.16 H                   | 345                        | 48.98                  | 3.42                           |
| 6   | #5780.00       | 41.4 AV                       | 54.0              | -12.6          | 1.16 H                   | 345                        | 37.98                  | 3.42                           |
| 7   | 11400.00       | 52.7 PK                       | 74.0              | -21.3          | 2.06 H                   | 125                        | 39.09                  | 13.61                          |
| 8   | 11400.00       | 42.0 AV                       | 54.0              | -12.0          | 2.06 H                   | 125                        | 28.39                  | 13.61                          |
| 9   | #17100.00      | 56.4 PK                       | 74.0              | -17.6          | 2.18 H                   | 143                        | 35.50                  | 20.90                          |
| 10  | #17100.00      | 45.6 AV                       | 54.0              | -8.4           | 2.18 H                   | 143                        | 24.70                  | 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   | *5700.00       | 110.6 PK                      |                   |                | 1.09 V                   | 50                         | 107.28                 | 3.32                           |
| 2   | *5700.00       | 101.1 AV                      |                   |                | 1.09 V                   | 50                         | 97.78                  | 3.32                           |
| 3   | #5725.00       | 72.5 PK                       | 74.0              | -1.5           | 1.04 V                   | 79                         | 69.14                  | 3.36                           |
| 4   | #5725.00       | 53.8 AV                       | 54.0              | -0.2           | 1.04 V                   | 79                         | 50.44                  | 3.36                           |
| 5   | #5780.00       | 56.1 PK                       | 74.0              | -17.9          | 1.08 V                   | 60                         | 52.68                  | 3.42                           |
| 6   | #5780.00       | 45.2 AV                       | 54.0              | -8.8           | 1.08 V                   | 60                         | 41.78                  | 3.42                           |
| 7   | 11400.00       | 50.7 PK                       | 74.0              | -23.3          | 2.44 V                   | 181                        | 37.09                  | 13.61                          |
| 8   | 11400.00       | 40.7 AV                       | 54.0              | -13.3          | 2.44 V                   | 181                        | 27.09                  | 13.61                          |
| 9   | #17100.00      | 56.3 PK                       | 74.0              | -17.7          | 2.31 V                   | 255                        | 35.40                  | 20.90                          |
| 10  | #17100.00      | 45.3 AV                       | 54.0              | -8.7           | 2.31 V                   | 255                        | 24.40                  | 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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 144 | 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   | *5720.00       | 109.6 PK                      |                   |                | 1.17 H                   | 358                        | 106.25                 | 3.35                           |
| 2   | *5720.00       | 99.8 AV                       |                   |                | 1.17 H                   | 358                        | 96.45                  | 3.35                           |
| 3   | #5880.00       | 55.9 PK                       | 74.0              | -18.1          | 1.12 H                   | 343                        | 52.38                  | 3.52                           |
| 4   | #5880.00       | 46.6 AV                       | 54.0              | -7.4           | 1.12 H                   | 343                        | 43.08                  | 3.52                           |
| 5   | 11440.00       | 52.9 PK                       | 74.0              | -21.1          | 2.07 H                   | 126                        | 39.34                  | 13.56                          |
| 6   | 11440.00       | 42.1 AV                       | 54.0              | -11.9          | 2.07 H                   | 126                        | 28.54                  | 13.56                          |
| 7   | #17160.00      | 56.4 PK                       | 74.0              | -17.6          | 2.20 H                   | 135                        | 35.62                  | 20.78                          |
| 8   | #17160.00      | 45.4 AV                       | 54.0              | -8.6           | 2.20 H                   | 135                        | 24.62                  | 20.78                          |

**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   | *5720.00       | 114.1 PK                      |                   |                | 1.12 V                   | 62                         | 110.75                 | 3.35                           |
| 2   | *5720.00       | 104.1 AV                      |                   |                | 1.12 V                   | 62                         | 100.75                 | 3.35                           |
| 3   | #5880.00       | 60.0 PK                       | 74.0              | -14.0          | 1.13 V                   | 90                         | 56.48                  | 3.52                           |
| 4   | #5880.00       | 50.9 AV                       | 54.0              | -3.1           | 1.13 V                   | 90                         | 47.38                  | 3.52                           |
| 5   | 11440.00       | 51.6 PK                       | 74.0              | -22.4          | 2.45 V                   | 201                        | 38.04                  | 13.56                          |
| 6   | 11440.00       | 41.3 AV                       | 54.0              | -12.7          | 2.45 V                   | 201                        | 27.74                  | 13.56                          |
| 7   | #17160.00      | 56.2 PK                       | 74.0              | -17.8          | 2.31 V                   | 260                        | 35.42                  | 20.78                          |
| 8   | #17160.00      | 45.5 AV                       | 54.0              | -8.5           | 2.31 V                   | 260                        | 24.72                  | 20.78                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| 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                                                   | 5100.00        | 53.1 PK                       | 74.0              | -20.9          | 1.18 H                   | 354                        | 50.78                  | 2.32                           |
| 2                                                   | 5100.00        | 43.3 AV                       | 54.0              | -10.7          | 1.18 H                   | 354                        | 40.98                  | 2.32                           |
| 3                                                   | *5260.00       | 111.1 PK                      |                   |                | 1.20 H                   | 339                        | 108.56                 | 2.54                           |
| 4                                                   | *5260.00       | 101.4 AV                      |                   |                | 1.20 H                   | 339                        | 98.86                  | 2.54                           |
| 5                                                   | 5420.00        | 55.1 PK                       | 74.0              | -18.9          | 1.22 H                   | 341                        | 52.37                  | 2.73                           |
| 6                                                   | 5420.00        | 45.2 AV                       | 54.0              | -8.8           | 1.22 H                   | 341                        | 42.47                  | 2.73                           |
| 7                                                   | #10520.00      | 52.2 PK                       | 74.0              | -21.8          | 2.07 H                   | 125                        | 39.80                  | 12.40                          |
| 8                                                   | #10520.00      | 41.3 AV                       | 54.0              | -12.7          | 2.07 H                   | 125                        | 28.90                  | 12.40                          |
| 9                                                   | 15780.00       | 57.0 PK                       | 74.0              | -17.0          | 2.23 H                   | 131                        | 42.18                  | 14.82                          |
| 10                                                  | 15780.00       | 45.9 AV                       | 54.0              | -8.1           | 2.23 H                   | 131                        | 31.08                  | 14.82                          |
| 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                                                   | 5100.00        | 56.9 PK                       | 74.0              | -17.1          | 1.03 V                   | 296                        | 54.58                  | 2.32                           |
| 2                                                   | 5100.00        | 47.4 AV                       | 54.0              | -6.6           | 1.03 V                   | 296                        | 45.08                  | 2.32                           |
| 3                                                   | *5260.00       | 114.9 PK                      |                   |                | 1.07 V                   | 294                        | 112.36                 | 2.54                           |
| 4                                                   | *5260.00       | 105.1 AV                      |                   |                | 1.07 V                   | 294                        | 102.56                 | 2.54                           |
| 5                                                   | 5420.00        | 58.8 PK                       | 74.0              | -15.2          | 1.08 V                   | 307                        | 56.07                  | 2.73                           |
| 6                                                   | 5420.00        | 48.9 AV                       | 54.0              | -5.1           | 1.08 V                   | 307                        | 46.17                  | 2.73                           |
| 7                                                   | #10520.00      | 51.6 PK                       | 74.0              | -22.4          | 2.40 V                   | 192                        | 39.20                  | 12.40                          |
| 8                                                   | #10520.00      | 41.2 AV                       | 54.0              | -12.8          | 2.40 V                   | 192                        | 28.80                  | 12.40                          |
| 9                                                   | 15780.00       | 56.4 PK                       | 74.0              | -17.6          | 2.38 V                   | 273                        | 41.58                  | 14.82                          |
| 10                                                  | 15780.00       | 45.3 AV                       | 54.0              | -8.7           | 2.38 V                   | 273                        | 30.48                  | 14.82                          |

## 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   | 5140.00        | 53.6 PK                       | 74.0              | -20.4          | 1.23 H                   | 357                        | 51.23                  | 2.37                           |
| 2   | 5140.00        | 43.6 AV                       | 54.0              | -10.4          | 1.23 H                   | 357                        | 41.23                  | 2.37                           |
| 3   | *5300.00       | 110.2 PK                      |                   |                | 1.20 H                   | 339                        | 107.59                 | 2.61                           |
| 4   | *5300.00       | 100.9 AV                      |                   |                | 1.20 H                   | 339                        | 98.29                  | 2.61                           |
| 5   | 5460.00        | 54.8 PK                       | 74.0              | -19.2          | 1.17 H                   | 350                        | 52.02                  | 2.78                           |
| 6   | 5460.00        | 44.8 AV                       | 54.0              | -9.2           | 1.17 H                   | 350                        | 42.02                  | 2.78                           |
| 7   | 10600.00       | 53.1 PK                       | 74.0              | -20.9          | 2.04 H                   | 130                        | 40.24                  | 12.86                          |
| 8   | 10600.00       | 42.1 AV                       | 54.0              | -11.9          | 2.04 H                   | 130                        | 29.24                  | 12.86                          |
| 9   | 15900.00       | 56.3 PK                       | 74.0              | -17.7          | 2.23 H                   | 119                        | 41.43                  | 14.87                          |
| 10  | 15900.00       | 45.5 AV                       | 54.0              | -8.5           | 2.23 H                   | 119                        | 30.63                  | 14.87                          |

**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   | 5140.00        | 57.8 PK                       | 74.0              | -16.2          | 1.08 V                   | 310                        | 55.43                  | 2.37                           |
| 2   | 5140.00        | 47.9 AV                       | 54.0              | -6.1           | 1.08 V                   | 310                        | 45.53                  | 2.37                           |
| 3   | *5300.00       | 113.8 PK                      |                   |                | 1.07 V                   | 302                        | 111.19                 | 2.61                           |
| 4   | *5300.00       | 104.4 AV                      |                   |                | 1.07 V                   | 302                        | 101.79                 | 2.61                           |
| 5   | 5460.00        | 58.7 PK                       | 74.0              | -15.3          | 1.05 V                   | 302                        | 55.92                  | 2.78                           |
| 6   | 5460.00        | 48.9 AV                       | 54.0              | -5.1           | 1.05 V                   | 302                        | 46.12                  | 2.78                           |
| 7   | 10600.00       | 51.6 PK                       | 74.0              | -22.4          | 2.46 V                   | 192                        | 38.74                  | 12.86                          |
| 8   | 10600.00       | 41.2 AV                       | 54.0              | -12.8          | 2.46 V                   | 192                        | 28.34                  | 12.86                          |
| 9   | 15900.00       | 56.9 PK                       | 74.0              | -17.1          | 2.35 V                   | 282                        | 42.03                  | 14.87                          |
| 10  | 15900.00       | 45.8 AV                       | 54.0              | -8.2           | 2.35 V                   | 282                        | 30.93                  | 14.87                          |

**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.

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 64 | 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   | *5320.00       | 109.9 PK                      |                   |                | 1.14 H                   | 335                        | 107.27                 | 2.63                           |
| 2   | *5320.00       | 98.7 AV                       |                   |                | 1.14 H                   | 335                        | 96.07                  | 2.63                           |
| 3   | 5350.00        | 68.7 PK                       | 74.0              | -5.3           | 1.21 H                   | 332                        | 66.05                  | 2.65                           |
| 4   | 5350.00        | 49.4 AV                       | 54.0              | -4.6           | 1.21 H                   | 332                        | 46.75                  | 2.65                           |
| 5   | #5480.00       | 57.4 PK                       | 74.0              | -16.6          | 1.21 H                   | 347                        | 54.60                  | 2.80                           |
| 6   | #5480.00       | 46.5 AV                       | 54.0              | -7.5           | 1.21 H                   | 347                        | 43.70                  | 2.80                           |
| 7   | 10640.00       | 52.6 PK                       | 74.0              | -21.4          | 2.00 H                   | 136                        | 39.72                  | 12.88                          |
| 8   | 10640.00       | 41.6 AV                       | 54.0              | -12.4          | 2.00 H                   | 136                        | 28.72                  | 12.88                          |
| 9   | 15960.00       | 56.2 PK                       | 74.0              | -17.8          | 2.25 H                   | 126                        | 41.27                  | 14.93                          |
| 10  | 15960.00       | 45.5 AV                       | 54.0              | -8.5           | 2.25 H                   | 126                        | 30.57                  | 14.93                          |

**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       | 113.5 PK                      |                   |                | 1.06 V                   | 287                        | 110.87                 | 2.63                           |
| 2   | *5320.00       | 102.3 AV                      |                   |                | 1.06 V                   | 287                        | 99.67                  | 2.63                           |
| 3   | 5350.00        | 72.0 PK                       | 74.0              | -2.0           | 1.06 V                   | 300                        | 69.35                  | 2.65                           |
| 4   | 5350.00        | 53.0 AV                       | 54.0              | -1.0           | 1.06 V                   | 300                        | 50.35                  | 2.65                           |
| 5   | #5480.00       | 61.3 PK                       | 74.0              | -12.7          | 1.08 V                   | 334                        | 58.50                  | 2.80                           |
| 6   | #5480.00       | 50.6 AV                       | 54.0              | -3.4           | 1.08 V                   | 334                        | 47.80                  | 2.80                           |
| 7   | 10640.00       | 51.3 PK                       | 74.0              | -22.7          | 2.49 V                   | 192                        | 38.42                  | 12.88                          |
| 8   | 10640.00       | 41.1 AV                       | 54.0              | -12.9          | 2.49 V                   | 192                        | 28.22                  | 12.88                          |
| 9   | 15960.00       | 56.5 PK                       | 74.0              | -17.5          | 2.32 V                   | 268                        | 41.57                  | 14.93                          |
| 10  | 15960.00       | 45.3 AV                       | 54.0              | -8.7           | 2.32 V                   | 268                        | 30.37                  | 14.93                          |

**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 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                                                   | 5420.00        | 57.2 PK                       | 74.0              | -16.8          | 1.17 H                   | 359                        | 54.47                  | 2.73                           |
| 2                                                   | 5420.00        | 45.0 AV                       | 54.0              | -9.0           | 1.17 H                   | 359                        | 42.27                  | 2.73                           |
| 3                                                   | #5470.00       | 69.1 PK                       | 74.0              | -4.9           | 1.13 H                   | 342                        | 66.31                  | 2.79                           |
| 4                                                   | #5470.00       | 49.5 AV                       | 54.0              | -4.5           | 1.13 H                   | 342                        | 46.71                  | 2.79                           |
| 5                                                   | *5500.00       | 109.2 PK                      |                   |                | 1.21 H                   | 339                        | 106.37                 | 2.83                           |
| 6                                                   | *5500.00       | 99.1 AV                       |                   |                | 1.21 H                   | 339                        | 96.27                  | 2.83                           |
| 7                                                   | #5730.00       | 60.7 PK                       | 74.0              | -13.3          | 1.15 H                   | 333                        | 57.35                  | 3.35                           |
| 8                                                   | #5730.00       | 49.3 AV                       | 54.0              | -4.7           | 1.15 H                   | 333                        | 45.95                  | 3.35                           |
| 9                                                   | 11000.00       | 52.3 PK                       | 74.0              | -21.7          | 2.08 H                   | 129                        | 38.66                  | 13.64                          |
| 10                                                  | 11000.00       | 41.4 AV                       | 54.0              | -12.6          | 2.08 H                   | 129                        | 27.76                  | 13.64                          |
| 11                                                  | #16500.00      | 56.4 PK                       | 74.0              | -17.6          | 2.22 H                   | 119                        | 37.76                  | 18.64                          |
| 12                                                  | #16500.00      | 45.6 AV                       | 54.0              | -8.4           | 2.22 H                   | 119                        | 26.96                  | 18.64                          |

| 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                                                 | 5420.00        | 61.7 PK                       | 74.0              | -12.3          | 1.05 V                   | 336                        | 58.97                  | 2.73                           |
| 2                                                 | 5420.00        | 49.3 AV                       | 54.0              | -4.7           | 1.05 V                   | 336                        | 46.57                  | 2.73                           |
| 3                                                 | #5470.00       | 72.9 PK                       | 74.0              | -1.1           | 1.12 V                   | 337                        | 70.11                  | 2.79                           |
| 4                                                 | #5470.00       | 53.3 AV                       | 54.0              | -0.7           | 1.12 V                   | 337                        | 50.51                  | 2.79                           |
| 5                                                 | *5500.00       | 112.7 PK                      |                   |                | 1.00 V                   | 330                        | 109.87                 | 2.83                           |
| 6                                                 | *5500.00       | 102.8 AV                      |                   |                | 1.00 V                   | 330                        | 99.97                  | 2.83                           |
| 7                                                 | #5730.00       | 64.9 PK                       | 74.0              | -9.1           | 1.07 V                   | 349                        | 61.55                  | 3.35                           |
| 8                                                 | #5730.00       | 53.6 AV                       | 54.0              | -0.4           | 1.07 V                   | 349                        | 50.25                  | 3.35                           |
| 9                                                 | 11000.00       | 51.1 PK                       | 74.0              | -22.9          | 2.42 V                   | 188                        | 37.46                  | 13.64                          |
| 10                                                | 11000.00       | 41.2 AV                       | 54.0              | -12.8          | 2.42 V                   | 188                        | 27.56                  | 13.64                          |
| 11                                                | #16500.00      | 56.8 PK                       | 74.0              | -17.2          | 2.33 V                   | 263                        | 38.16                  | 18.64                          |
| 12                                                | #16500.00      | 45.9 AV                       | 54.0              | -8.1           | 2.33 V                   | 263                        | 27.26                  | 18.64                          |

#### 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   | 5420.00        | 55.5 PK                       | 74.0              | -18.5          | 1.13 H                   | 356                        | 52.77                  | 2.73                           |
| 2   | 5420.00        | 46.4 AV                       | 54.0              | -7.6           | 1.13 H                   | 356                        | 43.67                  | 2.73                           |
| 3   | *5580.00       | 107.7 PK                      |                   |                | 1.16 H                   | 332                        | 104.64                 | 3.06                           |
| 4   | *5580.00       | 97.7 AV                       |                   |                | 1.16 H                   | 332                        | 94.64                  | 3.06                           |
| 5   | #5740.00       | 54.1 PK                       | 74.0              | -19.9          | 1.19 H                   | 350                        | 50.73                  | 3.37                           |
| 6   | #5740.00       | 45.5 AV                       | 54.0              | -8.5           | 1.19 H                   | 350                        | 42.13                  | 3.37                           |
| 7   | 11160.00       | 52.6 PK                       | 74.0              | -21.4          | 2.05 H                   | 125                        | 38.98                  | 13.62                          |
| 8   | 11160.00       | 42.0 AV                       | 54.0              | -12.0          | 2.05 H                   | 125                        | 28.38                  | 13.62                          |
| 9   | #16740.00      | 57.0 PK                       | 74.0              | -17.0          | 2.22 H                   | 118                        | 37.41                  | 19.59                          |
| 10  | #16740.00      | 46.1 AV                       | 54.0              | -7.9           | 2.22 H                   | 118                        | 26.51                  | 19.59                          |

**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   | 5420.00        | 59.6 PK                       | 74.0              | -14.4          | 1.06 V                   | 327                        | 56.87                  | 2.73                           |
| 2   | 5420.00        | 50.5 AV                       | 54.0              | -3.5           | 1.06 V                   | 327                        | 47.77                  | 2.73                           |
| 3   | *5580.00       | 111.8 PK                      |                   |                | 1.17 V                   | 348                        | 108.74                 | 3.06                           |
| 4   | *5580.00       | 101.7 AV                      |                   |                | 1.17 V                   | 348                        | 98.64                  | 3.06                           |
| 5   | #5740.00       | 58.0 PK                       | 74.0              | -16.0          | 1.04 V                   | 335                        | 54.63                  | 3.37                           |
| 6   | #5740.00       | 49.3 AV                       | 54.0              | -4.7           | 1.04 V                   | 335                        | 45.93                  | 3.37                           |
| 7   | 11160.00       | 51.9 PK                       | 74.0              | -22.1          | 2.41 V                   | 196                        | 38.28                  | 13.62                          |
| 8   | 11160.00       | 41.5 AV                       | 54.0              | -12.5          | 2.41 V                   | 196                        | 27.88                  | 13.62                          |
| 9   | #16740.00      | 56.6 PK                       | 74.0              | -17.4          | 2.31 V                   | 272                        | 37.01                  | 19.59                          |
| 10  | #16740.00      | 45.5 AV                       | 54.0              | -8.5           | 2.31 V                   | 272                        | 25.91                  | 19.59                          |

**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   | 5460.00        | 56.5 PK                       | 74.0              | -17.5          | 1.16 H                   | 360                        | 53.72                  | 2.78                           |
| 2   | 5460.00        | 45.8 AV                       | 54.0              | -8.2           | 1.16 H                   | 360                        | 43.02                  | 2.78                           |
| 3   | *5700.00       | 106.4 PK                      |                   |                | 1.23 H                   | 360                        | 103.08                 | 3.32                           |
| 4   | *5700.00       | 95.3 AV                       |                   |                | 1.23 H                   | 360                        | 91.98                  | 3.32                           |
| 5   | #5725.00       | 64.9 PK                       | 74.0              | -9.1           | 1.15 H                   | 355                        | 61.54                  | 3.36                           |
| 6   | #5725.00       | 49.0 AV                       | 54.0              | -5.0           | 1.15 H                   | 355                        | 45.64                  | 3.36                           |
| 7   | 11400.00       | 53.0 PK                       | 74.0              | -21.0          | 2.01 H                   | 106                        | 39.39                  | 13.61                          |
| 8   | 11400.00       | 42.2 AV                       | 54.0              | -11.8          | 2.01 H                   | 106                        | 28.59                  | 13.61                          |
| 9   | #17100.00      | 56.5 PK                       | 74.0              | -17.5          | 2.25 H                   | 133                        | 35.60                  | 20.90                          |
| 10  | #17100.00      | 45.5 AV                       | 54.0              | -8.5           | 2.25 H                   | 133                        | 24.60                  | 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   | 5460.00        | 60.7 PK                       | 74.0              | -13.3          | 1.04 V                   | 331                        | 57.92                  | 2.78                           |
| 2   | 5460.00        | 50.3 AV                       | 54.0              | -3.7           | 1.04 V                   | 331                        | 47.52                  | 2.78                           |
| 3   | *5700.00       | 110.7 PK                      |                   |                | 1.03 V                   | 322                        | 107.38                 | 3.32                           |
| 4   | *5700.00       | 99.5 AV                       |                   |                | 1.03 V                   | 322                        | 96.18                  | 3.32                           |
| 5   | #5725.00       | 69.2 PK                       | 74.0              | -4.8           | 1.05 V                   | 348                        | 65.84                  | 3.36                           |
| 6   | #5725.00       | 53.3 AV                       | 54.0              | -0.7           | 1.05 V                   | 348                        | 49.94                  | 3.36                           |
| 7   | 11400.00       | 51.4 PK                       | 74.0              | -22.6          | 2.48 V                   | 181                        | 37.79                  | 13.61                          |
| 8   | 11400.00       | 41.3 AV                       | 54.0              | -12.7          | 2.48 V                   | 181                        | 27.69                  | 13.61                          |
| 9   | #17100.00      | 56.6 PK                       | 74.0              | -17.4          | 2.36 V                   | 255                        | 35.70                  | 20.90                          |
| 10  | #17100.00      | 45.4 AV                       | 54.0              | -8.6           | 2.36 V                   | 255                        | 24.50                  | 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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 144 | 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   | *5720.00       | 111.2 PK                      |                   |                | 1.14 H                   | 351                        | 107.85                 | 3.35                           |
| 2   | *5720.00       | 100.8 AV                      |                   |                | 1.14 H                   | 351                        | 97.45                  | 3.35                           |
| 3   | #5880.00       | 55.8 PK                       | 74.0              | -18.2          | 1.15 H                   | 340                        | 52.28                  | 3.52                           |
| 4   | #5880.00       | 47.2 AV                       | 54.0              | -6.8           | 1.15 H                   | 340                        | 43.68                  | 3.52                           |
| 5   | 11440.00       | 52.4 PK                       | 74.0              | -21.6          | 1.99 H                   | 119                        | 38.84                  | 13.56                          |
| 6   | 11440.00       | 41.5 AV                       | 54.0              | -12.5          | 1.99 H                   | 119                        | 27.94                  | 13.56                          |
| 7   | #17160.00      | 56.7 PK                       | 74.0              | -17.3          | 2.21 H                   | 141                        | 35.92                  | 20.78                          |
| 8   | #17160.00      | 45.8 AV                       | 54.0              | -8.2           | 2.21 H                   | 141                        | 25.02                  | 20.78                          |

**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   | *5720.00       | 114.6 PK                      |                   |                | 1.10 V                   | 76                         | 111.25                 | 3.35                           |
| 2   | *5720.00       | 104.5 AV                      |                   |                | 1.10 V                   | 76                         | 101.15                 | 3.35                           |
| 3   | #5880.00       | 59.8 PK                       | 74.0              | -14.2          | 1.11 V                   | 86                         | 56.28                  | 3.52                           |
| 4   | #5880.00       | 50.9 AV                       | 54.0              | -3.1           | 1.11 V                   | 86                         | 47.38                  | 3.52                           |
| 5   | 11440.00       | 51.1 PK                       | 74.0              | -22.9          | 2.39 V                   | 199                        | 37.54                  | 13.56                          |
| 6   | 11440.00       | 40.8 AV                       | 54.0              | -13.2          | 2.39 V                   | 199                        | 27.24                  | 13.56                          |
| 7   | #17160.00      | 56.8 PK                       | 74.0              | -17.2          | 2.33 V                   | 260                        | 36.02                  | 20.78                          |
| 8   | #17160.00      | 45.5 AV                       | 54.0              | -8.5           | 2.33 V                   | 260                        | 24.72                  | 20.78                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 54 | 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                                                   | 5110.00        | 57.1 PK                       | 74.0              | -16.9          | 1.14 H                   | 351                        | 54.78                  | 2.32                           |
| 2                                                   | 5110.00        | 47.1 AV                       | 54.0              | -6.9           | 1.14 H                   | 351                        | 44.78                  | 2.32                           |
| 3                                                   | *5270.00       | 108.3 PK                      |                   |                | 1.16 H                   | 349                        | 105.74                 | 2.56                           |
| 4                                                   | *5270.00       | 97.7 AV                       |                   |                | 1.16 H                   | 349                        | 95.14                  | 2.56                           |
| 5                                                   | 5350.00        | 64.9 PK                       | 74.0              | -9.1           | 1.13 H                   | 337                        | 62.25                  | 2.65                           |
| 6                                                   | 5350.00        | 49.9 AV                       | 54.0              | -4.1           | 1.13 H                   | 337                        | 47.25                  | 2.65                           |
| 7                                                   | #5855.00       | 52.6 PK                       | 74.0              | -21.4          | 1.19 H                   | 358                        | 49.11                  | 3.49                           |
| 8                                                   | #5855.00       | 46.4 AV                       | 54.0              | -7.6           | 1.19 H                   | 358                        | 42.91                  | 3.49                           |
| 9                                                   | #10540.00      | 52.5 PK                       | 74.0              | -21.5          | 2.02 H                   | 134                        | 39.98                  | 12.52                          |
| 10                                                  | #10540.00      | 41.5 AV                       | 54.0              | -12.5          | 2.02 H                   | 134                        | 28.98                  | 12.52                          |
| 11                                                  | 15810.00       | 57.0 PK                       | 74.0              | -17.0          | 2.19 H                   | 125                        | 42.24                  | 14.76                          |
| 12                                                  | 15810.00       | 45.9 AV                       | 54.0              | -8.1           | 2.19 H                   | 125                        | 31.14                  | 14.76                          |
| 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                                                   | 5110.00        | 60.8 PK                       | 74.0              | -13.2          | 1.05 V                   | 118                        | 58.48                  | 2.32                           |
| 2                                                   | 5110.00        | 50.8 AV                       | 54.0              | -3.2           | 1.05 V                   | 118                        | 48.48                  | 2.32                           |
| 3                                                   | *5270.00       | 111.9 PK                      |                   |                | 1.12 V                   | 340                        | 109.34                 | 2.56                           |
| 4                                                   | *5270.00       | 101.2 AV                      |                   |                | 1.12 V                   | 340                        | 98.64                  | 2.56                           |
| 5                                                   | 5350.00        | 68.6 PK                       | 74.0              | -5.4           | 1.05 V                   | 115                        | 65.95                  | 2.65                           |
| 6                                                   | 5350.00        | 53.4 AV                       | 54.0              | -0.6           | 1.05 V                   | 115                        | 50.75                  | 2.65                           |
| 7                                                   | #5855.00       | 56.6 PK                       | 74.0              | -17.4          | 1.01 V                   | 109                        | 53.11                  | 3.49                           |
| 8                                                   | #5855.00       | 50.6 AV                       | 54.0              | -3.4           | 1.01 V                   | 109                        | 47.11                  | 3.49                           |
| 9                                                   | #10540.00      | 51.1 PK                       | 74.0              | -22.9          | 2.40 V                   | 192                        | 38.58                  | 12.52                          |
| 10                                                  | #10540.00      | 40.9 AV                       | 54.0              | -13.1          | 2.40 V                   | 192                        | 28.38                  | 12.52                          |
| 11                                                  | 15810.00       | 56.5 PK                       | 74.0              | -17.5          | 2.39 V                   | 251                        | 41.74                  | 14.76                          |
| 12                                                  | 15810.00       | 45.3 AV                       | 54.0              | -8.7           | 2.39 V                   | 251                        | 30.54                  | 14.76                          |

## 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       | 103.6 PK                      |                   |                | 1.23 H                   | 345                        | 100.99                 | 2.61                           |
| 2   | *5310.00       | 93.1 AV                       |                   |                | 1.23 H                   | 345                        | 90.49                  | 2.61                           |
| 3   | 5350.00        | 67.3 PK                       | 74.0              | -6.7           | 1.15 H                   | 357                        | 64.65                  | 2.65                           |
| 4   | 5350.00        | 49.1 AV                       | 54.0              | -4.9           | 1.15 H                   | 357                        | 46.45                  | 2.65                           |
| 5   | 10620.00       | 52.2 PK                       | 74.0              | -21.8          | 2.01 H                   | 131                        | 39.32                  | 12.88                          |
| 6   | 10620.00       | 41.3 AV                       | 54.0              | -12.7          | 2.01 H                   | 131                        | 28.42                  | 12.88                          |
| 7   | 15930.00       | 57.4 PK                       | 74.0              | -16.6          | 2.25 H                   | 137                        | 42.50                  | 14.90                          |
| 8   | 15930.00       | 46.2 AV                       | 54.0              | -7.8           | 2.25 H                   | 137                        | 31.30                  | 14.90                          |

**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   | *5310.00       | 107.0 PK                      |                   |                | 1.07 V                   | 117                        | 104.39                 | 2.61                           |
| 2   | *5310.00       | 96.6 AV                       |                   |                | 1.07 V                   | 117                        | 93.99                  | 2.61                           |
| 3   | 5350.00        | 71.7 PK                       | 74.0              | -2.3           | 1.11 V                   | 108                        | 69.05                  | 2.65                           |
| 4   | 5350.00        | 53.5 AV                       | 54.0              | -0.5           | 1.11 V                   | 108                        | 50.85                  | 2.65                           |
| 5   | 10620.00       | 51.4 PK                       | 74.0              | -22.6          | 2.40 V                   | 189                        | 38.52                  | 12.88                          |
| 6   | 10620.00       | 41.3 AV                       | 54.0              | -12.7          | 2.40 V                   | 189                        | 28.42                  | 12.88                          |
| 7   | 15930.00       | 56.5 PK                       | 74.0              | -17.5          | 2.38 V                   | 257                        | 41.60                  | 14.90                          |
| 8   | 15930.00       | 45.6 AV                       | 54.0              | -8.4           | 2.38 V                   | 257                        | 30.70                  | 14.90                          |

**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.



|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 102 | 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   | #5470.00       | 68.8 PK                       | 74.0              | -5.2           | 1.23 H                   | 344                        | 66.01                  | 2.79                           |
| 2   | #5470.00       | 49.7 AV                       | 54.0              | -4.3           | 1.23 H                   | 344                        | 46.91                  | 2.79                           |
| 3   | *5510.00       | 103.7 PK                      |                   |                | 1.17 H                   | 352                        | 100.85                 | 2.85                           |
| 4   | *5510.00       | 93.0 AV                       |                   |                | 1.17 H                   | 352                        | 90.15                  | 2.85                           |
| 5   | #5750.00       | 53.5 PK                       | 74.0              | -20.5          | 1.17 H                   | 359                        | 50.12                  | 3.38                           |
| 6   | #5750.00       | 43.1 AV                       | 54.0              | -10.9          | 1.17 H                   | 359                        | 39.72                  | 3.38                           |
| 7   | 11020.00       | 52.9 PK                       | 74.0              | -21.1          | 2.00 H                   | 132                        | 39.26                  | 13.64                          |
| 8   | 11020.00       | 42.0 AV                       | 54.0              | -12.0          | 2.00 H                   | 132                        | 28.36                  | 13.64                          |
| 9   | #16530.00      | 56.6 PK                       | 74.0              | -17.4          | 2.21 H                   | 119                        | 37.78                  | 18.82                          |
| 10  | #16530.00      | 45.8 AV                       | 54.0              | -8.2           | 2.21 H                   | 119                        | 26.98                  | 18.82                          |

**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       | 72.2 PK                       | 74.0              | -1.8           | 1.84 V                   | 113                        | 69.41                  | 2.79                           |
| 2   | #5470.00       | 53.4 AV                       | 54.0              | -0.6           | 1.84 V                   | 113                        | 50.61                  | 2.79                           |
| 3   | *5510.00       | 108.1 PK                      |                   |                | 1.10 V                   | 240                        | 105.25                 | 2.85                           |
| 4   | *5510.00       | 97.4 AV                       |                   |                | 1.10 V                   | 240                        | 94.55                  | 2.85                           |
| 5   | #5750.00       | 57.7 PK                       | 74.0              | -16.3          | 2.06 V                   | 144                        | 54.32                  | 3.38                           |
| 6   | #5750.00       | 47.1 AV                       | 54.0              | -6.9           | 2.06 V                   | 144                        | 43.72                  | 3.38                           |
| 7   | 11020.00       | 51.6 PK                       | 74.0              | -22.4          | 2.41 V                   | 197                        | 37.96                  | 13.64                          |
| 8   | 11020.00       | 41.7 AV                       | 54.0              | -12.3          | 2.41 V                   | 197                        | 28.06                  | 13.64                          |
| 9   | #16530.00      | 57.0 PK                       | 74.0              | -17.0          | 2.39 V                   | 257                        | 38.18                  | 18.82                          |
| 10  | #16530.00      | 45.8 AV                       | 54.0              | -8.2           | 2.39 V                   | 257                        | 26.98                  | 18.82                          |

**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 110 | 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   | 5390.00        | 58.9 PK                       | 74.0              | -15.1          | 1.15 H                   | 355                        | 56.20                  | 2.70                           |
| 2   | 5390.00        | 47.6 AV                       | 54.0              | -6.4           | 1.15 H                   | 355                        | 44.90                  | 2.70                           |
| 3   | *5550.00       | 108.6 PK                      |                   |                | 1.16 H                   | 360                        | 105.62                 | 2.98                           |
| 4   | *5550.00       | 97.2 AV                       |                   |                | 1.16 H                   | 360                        | 94.22                  | 2.98                           |
| 5   | #5725.00       | 56.5 PK                       | 74.0              | -17.5          | 1.17 H                   | 343                        | 53.14                  | 3.36                           |
| 6   | #5725.00       | 46.4 AV                       | 54.0              | -7.6           | 1.17 H                   | 343                        | 43.04                  | 3.36                           |
| 7   | 11100.00       | 52.3 PK                       | 74.0              | -21.7          | 2.01 H                   | 127                        | 38.68                  | 13.62                          |
| 8   | 11100.00       | 41.3 AV                       | 54.0              | -12.7          | 2.01 H                   | 127                        | 27.68                  | 13.62                          |
| 9   | #16650.00      | 56.5 PK                       | 74.0              | -17.5          | 2.16 H                   | 116                        | 37.11                  | 19.39                          |
| 10  | #16650.00      | 45.6 AV                       | 54.0              | -8.4           | 2.16 H                   | 116                        | 26.21                  | 19.39                          |

**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   | 5390.00        | 62.8 PK                       | 74.0              | -11.2          | 1.05 V                   | 248                        | 60.10                  | 2.70                           |
| 2   | 5390.00        | 51.3 AV                       | 54.0              | -2.7           | 1.05 V                   | 248                        | 48.60                  | 2.70                           |
| 3   | *5550.00       | 112.8 PK                      |                   |                | 1.07 V                   | 139                        | 109.82                 | 2.98                           |
| 4   | *5550.00       | 101.6 AV                      |                   |                | 1.07 V                   | 139                        | 98.62                  | 2.98                           |
| 5   | #5725.00       | 60.6 PK                       | 74.0              | -13.4          | 1.09 V                   | 227                        | 57.24                  | 3.36                           |
| 6   | #5725.00       | 50.7 AV                       | 54.0              | -3.3           | 1.09 V                   | 227                        | 47.34                  | 3.36                           |
| 7   | 11100.00       | 51.5 PK                       | 74.0              | -22.5          | 2.41 V                   | 194                        | 37.88                  | 13.62                          |
| 8   | 11100.00       | 41.3 AV                       | 54.0              | -12.7          | 2.41 V                   | 194                        | 27.68                  | 13.62                          |
| 9   | #16650.00      | 56.6 PK                       | 74.0              | -17.4          | 2.33 V                   | 253                        | 37.21                  | 19.39                          |
| 10  | #16650.00      | 45.7 AV                       | 54.0              | -8.3           | 2.33 V                   | 253                        | 26.31                  | 19.39                          |

**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 134 | 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   | 5430.00        | 54.6 PK                       | 74.0              | -19.4          | 1.21 H                   | 347                        | 51.86                  | 2.74                           |
| 2   | 5430.00        | 44.4 AV                       | 54.0              | -9.6           | 1.21 H                   | 347                        | 41.66                  | 2.74                           |
| 3   | *5670.00       | 105.0 PK                      |                   |                | 1.12 H                   | 348                        | 101.74                 | 3.26                           |
| 4   | *5670.00       | 93.0 AV                       |                   |                | 1.12 H                   | 348                        | 89.74                  | 3.26                           |
| 5   | #5725.00       | 66.9 PK                       | 74.0              | -7.1           | 1.19 H                   | 352                        | 63.54                  | 3.36                           |
| 6   | #5725.00       | 49.3 AV                       | 54.0              | -4.7           | 1.19 H                   | 352                        | 45.94                  | 3.36                           |
| 7   | 11340.00       | 52.8 PK                       | 74.0              | -21.2          | 2.04 H                   | 136                        | 39.10                  | 13.70                          |
| 8   | 11340.00       | 41.7 AV                       | 54.0              | -12.3          | 2.04 H                   | 136                        | 28.00                  | 13.70                          |
| 9   | #17010.00      | 56.0 PK                       | 74.0              | -18.0          | 2.15 H                   | 130                        | 35.23                  | 20.77                          |
| 10  | #17010.00      | 45.4 AV                       | 54.0              | -8.6           | 2.15 H                   | 130                        | 24.63                  | 20.77                          |

**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   | 5430.00        | 59.1 PK                       | 74.0              | -14.9          | 1.17 V                   | 205                        | 56.36                  | 2.74                           |
| 2   | 5430.00        | 48.8 AV                       | 54.0              | -5.2           | 1.17 V                   | 205                        | 46.06                  | 2.74                           |
| 3   | *5670.00       | 108.7 PK                      |                   |                | 1.08 V                   | 102                        | 105.44                 | 3.26                           |
| 4   | *5670.00       | 96.6 AV                       |                   |                | 1.08 V                   | 102                        | 93.34                  | 3.26                           |
| 5   | #5725.00       | 71.2 PK                       | 74.0              | -2.8           | 1.11 V                   | 243                        | 67.84                  | 3.36                           |
| 6   | #5725.00       | 53.3 AV                       | 54.0              | -0.7           | 1.11 V                   | 243                        | 49.94                  | 3.36                           |
| 7   | 11340.00       | 51.6 PK                       | 74.0              | -22.4          | 2.43 V                   | 178                        | 37.90                  | 13.70                          |
| 8   | 11340.00       | 41.4 AV                       | 54.0              | -12.6          | 2.43 V                   | 178                        | 27.70                  | 13.70                          |
| 9   | #17010.00      | 56.9 PK                       | 74.0              | -17.1          | 2.39 V                   | 259                        | 36.13                  | 20.77                          |
| 10  | #17010.00      | 45.9 AV                       | 54.0              | -8.1           | 2.39 V                   | 259                        | 25.13                  | 20.77                          |

**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 142 | <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   | 5460.00        | 53.0 PK                       | 74.0              | -21.0          | 1.14 H                   | 360                        | 50.22                  | 2.78                           |
| 2   | 5460.00        | 42.0 AV                       | 54.0              | -12.0          | 1.14 H                   | 360                        | 39.22                  | 2.78                           |
| 3   | *5710.00       | 109.5 PK                      |                   |                | 1.15 H                   | 353                        | 106.16                 | 3.34                           |
| 4   | *5710.00       | 97.7 AV                       |                   |                | 1.15 H                   | 353                        | 94.36                  | 3.34                           |
| 5   | #5870.00       | 55.2 PK                       | 74.0              | -18.8          | 1.19 H                   | 343                        | 51.69                  | 3.51                           |
| 6   | #5870.00       | 45.3 AV                       | 54.0              | -8.7           | 1.19 H                   | 343                        | 41.79                  | 3.51                           |
| 7   | 11420.00       | 53.1 PK                       | 74.0              | -20.9          | 2.04 H                   | 108                        | 39.51                  | 13.59                          |
| 8   | 11420.00       | 42.1 AV                       | 54.0              | -11.9          | 2.04 H                   | 108                        | 28.51                  | 13.59                          |
| 9   | #17130.00      | 56.3 PK                       | 74.0              | -17.7          | 2.22 H                   | 114                        | 35.47                  | 20.83                          |
| 10  | #17130.00      | 45.5 AV                       | 54.0              | -8.5           | 2.22 H                   | 114                        | 24.67                  | 20.83                          |

**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   | 5460.00        | 56.9 PK                       | 74.0              | -17.1          | 1.12 V                   | 230                        | 54.12                  | 2.78                           |
| 2   | 5460.00        | 46.1 AV                       | 54.0              | -7.9           | 1.12 V                   | 230                        | 43.32                  | 2.78                           |
| 3   | *5710.00       | 112.9 PK                      |                   |                | 1.08 V                   | 132                        | 109.56                 | 3.34                           |
| 4   | *5710.00       | 101.4 AV                      |                   |                | 1.08 V                   | 132                        | 98.06                  | 3.34                           |
| 5   | #5870.00       | 58.8 PK                       | 74.0              | -15.2          | 1.09 V                   | 246                        | 55.29                  | 3.51                           |
| 6   | #5870.00       | 48.8 AV                       | 54.0              | -5.2           | 1.09 V                   | 246                        | 45.29                  | 3.51                           |
| 7   | 11420.00       | 51.8 PK                       | 74.0              | -22.2          | 2.49 V                   | 192                        | 38.21                  | 13.59                          |
| 8   | 11420.00       | 41.3 AV                       | 54.0              | -12.7          | 2.49 V                   | 192                        | 27.71                  | 13.59                          |
| 9   | #17130.00      | 56.9 PK                       | 74.0              | -17.1          | 2.39 V                   | 258                        | 36.07                  | 20.83                          |
| 10  | #17130.00      | 46.0 AV                       | 54.0              | -8.0           | 2.39 V                   | 258                        | 25.17                  | 20.83                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| 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        | 58.4 PK                       | 74.0              | -15.6          | 1.24 H                   | 50                         | 56.03                  | 2.37                           |
| 2                                                   | 5150.00        | 43.7 AV                       | 54.0              | -10.3          | 1.24 H                   | 50                         | 41.33                  | 2.37                           |
| 3                                                   | *5290.00       | 98.9 PK                       |                   |                | 1.13 H                   | 360                        | 96.31                  | 2.59                           |
| 4                                                   | *5290.00       | 87.4 AV                       |                   |                | 1.13 H                   | 360                        | 84.81                  | 2.59                           |
| 5                                                   | 5350.00        | 60.5 PK                       | 74.0              | -13.5          | 1.12 H                   | 346                        | 57.85                  | 2.65                           |
| 6                                                   | 5350.00        | 49.3 AV                       | 54.0              | -4.7           | 1.12 H                   | 346                        | 46.65                  | 2.65                           |
| 7                                                   | #10580.00      | 52.5 PK                       | 74.0              | -21.5          | 1.97 H                   | 108                        | 39.75                  | 12.75                          |
| 8                                                   | #10580.00      | 41.8 AV                       | 54.0              | -12.2          | 1.97 H                   | 108                        | 29.05                  | 12.75                          |
| 9                                                   | 15870.00       | 56.6 PK                       | 74.0              | -17.4          | 2.22 H                   | 126                        | 41.77                  | 14.83                          |
| 10                                                  | 15870.00       | 45.8 AV                       | 54.0              | -8.2           | 2.22 H                   | 126                        | 30.97                  | 14.83                          |
| 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        | 45.8 PK                       | 74.0              | -28.2          | 1.24 V                   | 80                         | 43.43                  | 2.37                           |
| 2                                                   | 5150.00        | 32.4 AV                       | 54.0              | -21.6          | 1.24 V                   | 80                         | 30.03                  | 2.37                           |
| 3                                                   | *5290.00       | 103.5 PK                      |                   |                | 1.16 V                   | 150                        | 100.91                 | 2.59                           |
| 4                                                   | *5290.00       | 91.8 AV                       |                   |                | 1.16 V                   | 150                        | 89.21                  | 2.59                           |
| 5                                                   | 5350.00        | 65.2 PK                       | 74.0              | -8.8           | 1.08 V                   | 123                        | 62.55                  | 2.65                           |
| 6                                                   | 5350.00        | 53.8 AV                       | 54.0              | -0.2           | 1.08 V                   | 123                        | 51.15                  | 2.65                           |
| 7                                                   | #10580.00      | 51.2 PK                       | 74.0              | -22.8          | 2.48 V                   | 189                        | 38.45                  | 12.75                          |
| 8                                                   | #10580.00      | 41.0 AV                       | 54.0              | -13.0          | 2.48 V                   | 189                        | 28.25                  | 12.75                          |
| 9                                                   | 15870.00       | 55.9 PK                       | 74.0              | -18.1          | 2.34 V                   | 260                        | 41.07                  | 14.83                          |
| 10                                                  | 15870.00       | 45.2 AV                       | 54.0              | -8.8           | 2.34 V                   | 260                        | 30.37                  | 14.83                          |

## 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       | 65.6 PK                       | 74.0              | -8.4           | 1.19 H                   | 347                        | 62.81                  | 2.79                           |
| 2   | #5470.00       | 49.4 AV                       | 54.0              | -4.6           | 1.19 H                   | 347                        | 46.61                  | 2.79                           |
| 3   | *5530.00       | 100.7 PK                      |                   |                | 1.18 H                   | 350                        | 97.78                  | 2.92                           |
| 4   | *5530.00       | 89.0 AV                       |                   |                | 1.18 H                   | 350                        | 86.08                  | 2.92                           |
| 5   | #5725.00       | 52.5 PK                       | 74.0              | -21.5          | 1.17 H                   | 339                        | 49.14                  | 3.36                           |
| 6   | #5725.00       | 41.4 AV                       | 54.0              | -12.6          | 1.17 H                   | 339                        | 38.04                  | 3.36                           |
| 7   | 11060.00       | 52.7 PK                       | 74.0              | -21.3          | 2.06 H                   | 108                        | 39.07                  | 13.63                          |
| 8   | 11060.00       | 41.8 AV                       | 54.0              | -12.2          | 2.06 H                   | 108                        | 28.17                  | 13.63                          |
| 9   | #16590.00      | 56.3 PK                       | 74.0              | -17.7          | 2.18 H                   | 132                        | 37.12                  | 19.18                          |
| 10  | #16590.00      | 45.3 AV                       | 54.0              | -8.7           | 2.18 H                   | 132                        | 26.12                  | 19.18                          |

**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       | 70.2 PK                       | 74.0              | -3.8           | 1.06 V                   | 247                        | 67.41                  | 2.79                           |
| 2   | #5470.00       | 53.8 AV                       | 54.0              | -0.2           | 1.06 V                   | 247                        | 51.01                  | 2.79                           |
| 3   | *5530.00       | 104.9 PK                      |                   |                | 1.21 V                   | 240                        | 101.98                 | 2.92                           |
| 4   | *5530.00       | 93.2 AV                       |                   |                | 1.21 V                   | 240                        | 90.28                  | 2.92                           |
| 5   | #5725.00       | 56.6 PK                       | 74.0              | -17.4          | 1.06 V                   | 237                        | 53.24                  | 3.36                           |
| 6   | #5725.00       | 45.7 AV                       | 54.0              | -8.3           | 1.06 V                   | 237                        | 42.34                  | 3.36                           |
| 7   | 11060.00       | 50.9 PK                       | 74.0              | -23.1          | 2.47 V                   | 192                        | 37.27                  | 13.63                          |
| 8   | 11060.00       | 40.8 AV                       | 54.0              | -13.2          | 2.47 V                   | 192                        | 27.17                  | 13.63                          |
| 9   | #16590.00      | 56.9 PK                       | 74.0              | -17.1          | 2.37 V                   | 267                        | 37.72                  | 19.18                          |
| 10  | #16590.00      | 45.8 AV                       | 54.0              | -8.2           | 2.37 V                   | 267                        | 26.62                  | 19.18                          |

**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 122 | 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   | #5470.00       | 62.9 PK                       | 74.0              | -11.1          | 1.17 H                   | 349                        | 60.11                  | 2.79                           |
| 2   | #5470.00       | 46.5 AV                       | 54.0              | -7.5           | 1.17 H                   | 349                        | 43.71                  | 2.79                           |
| 3   | *5610.00       | 102.5 PK                      |                   |                | 1.16 H                   | 337                        | 99.35                  | 3.15                           |
| 4   | *5610.00       | 89.9 AV                       |                   |                | 1.16 H                   | 337                        | 86.75                  | 3.15                           |
| 5   | #5725.00       | 63.4 PK                       | 74.0              | -10.6          | 1.20 H                   | 356                        | 60.04                  | 3.36                           |
| 6   | #5725.00       | 48.6 AV                       | 54.0              | -5.4           | 1.20 H                   | 356                        | 45.24                  | 3.36                           |
| 7   | 11220.00       | 52.3 PK                       | 74.0              | -21.7          | 2.06 H                   | 116                        | 38.66                  | 13.64                          |
| 8   | 11220.00       | 41.4 AV                       | 54.0              | -12.6          | 2.06 H                   | 116                        | 27.76                  | 13.64                          |
| 9   | #16830.00      | 56.4 PK                       | 74.0              | -17.6          | 2.22 H                   | 122                        | 36.55                  | 19.85                          |
| 10  | #16830.00      | 45.4 AV                       | 54.0              | -8.6           | 2.22 H                   | 122                        | 25.55                  | 19.85                          |

**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       | 67.5 PK                       | 74.0              | -6.5           | 1.04 V                   | 231                        | 64.71                  | 2.79                           |
| 2   | #5470.00       | 50.8 AV                       | 54.0              | -3.2           | 1.04 V                   | 231                        | 48.01                  | 2.79                           |
| 3   | *5610.00       | 106.8 PK                      |                   |                | 1.04 V                   | 263                        | 103.65                 | 3.15                           |
| 4   | *5610.00       | 94.4 AV                       |                   |                | 1.04 V                   | 263                        | 91.25                  | 3.15                           |
| 5   | #5725.00       | 67.2 PK                       | 74.0              | -6.8           | 1.01 V                   | 239                        | 63.84                  | 3.36                           |
| 6   | #5725.00       | 52.6 AV                       | 54.0              | -1.4           | 1.01 V                   | 239                        | 49.24                  | 3.36                           |
| 7   | 11220.00       | 50.8 PK                       | 74.0              | -23.2          | 2.49 V                   | 194                        | 37.16                  | 13.64                          |
| 8   | 11220.00       | 40.8 AV                       | 54.0              | -13.2          | 2.49 V                   | 194                        | 27.16                  | 13.64                          |
| 9   | #16830.00      | 56.7 PK                       | 74.0              | -17.3          | 2.32 V                   | 253                        | 36.85                  | 19.85                          |
| 10  | #16830.00      | 45.5 AV                       | 54.0              | -8.5           | 2.32 V                   | 253                        | 25.65                  | 19.85                          |

**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 138 | 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   | #5470.00       | 53.7 PK                       | 74.0              | -20.3          | 1.20 H                   | 333                        | 50.91                  | 2.79                           |
| 2   | #5470.00       | 42.6 AV                       | 54.0              | -11.4          | 1.20 H                   | 333                        | 39.81                  | 2.79                           |
| 3   | *5690.00       | 105.0 PK                      |                   |                | 1.15 H                   | 345                        | 101.70                 | 3.30                           |
| 4   | *5690.00       | 91.8 AV                       |                   |                | 1.15 H                   | 345                        | 88.50                  | 3.30                           |
| 5   | #5850.00       | 59.7 PK                       | 78.2              | -18.5          | 1.22 H                   | 360                        | 56.21                  | 3.49                           |
| 6   | 11380.00       | 52.3 PK                       | 74.0              | -21.7          | 2.06 H                   | 129                        | 38.67                  | 13.63                          |
| 7   | 11380.00       | 41.4 AV                       | 54.0              | -12.6          | 2.06 H                   | 129                        | 27.77                  | 13.63                          |
| 8   | #17070.00      | 56.6 PK                       | 74.0              | -17.4          | 2.16 H                   | 123                        | 35.75                  | 20.85                          |
| 9   | #17070.00      | 45.7 AV                       | 54.0              | -8.3           | 2.16 H                   | 123                        | 24.85                  | 20.85                          |

**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       | 58.3 PK                       | 74.0              | -15.7          | 2.02 V                   | 253                        | 55.51                  | 2.79                           |
| 2   | #5470.00       | 47.0 AV                       | 54.0              | -7.0           | 2.02 V                   | 253                        | 44.21                  | 2.79                           |
| 3   | *5690.00       | 109.1 PK                      |                   |                | 2.02 V                   | 261                        | 105.80                 | 3.30                           |
| 4   | *5690.00       | 95.9 AV                       |                   |                | 2.02 V                   | 261                        | 92.60                  | 3.30                           |
| 5   | #5850.00       | 64.1 PK                       | 78.2              | -14.1          | 1.02 V                   | 108                        | 60.61                  | 3.49                           |
| 6   | 11380.00       | 51.7 PK                       | 74.0              | -22.3          | 2.42 V                   | 184                        | 38.07                  | 13.63                          |
| 7   | 11380.00       | 41.3 AV                       | 54.0              | -12.7          | 2.42 V                   | 184                        | 27.67                  | 13.63                          |
| 8   | #17070.00      | 56.2 PK                       | 74.0              | -17.8          | 2.30 V                   | 275                        | 35.35                  | 20.85                          |
| 9   | #17070.00      | 45.0 AV                       | 54.0              | -9.0           | 2.30 V                   | 275                        | 24.15                  | 20.85                          |

**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.



1TX  
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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| 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                                                   | 5100.00        | 44.5 PK                       | 74.0              | -29.5          | 1.18 H                   | 360                        | 42.18                  | 2.32                           |
| 2                                                   | 5100.00        | 33.9 AV                       | 54.0              | -20.1          | 1.18 H                   | 360                        | 31.58                  | 2.32                           |
| 3                                                   | *5260.00       | 101.4 PK                      |                   |                | 1.16 H                   | 340                        | 98.86                  | 2.54                           |
| 4                                                   | *5260.00       | 91.2 AV                       |                   |                | 1.16 H                   | 340                        | 88.66                  | 2.54                           |
| 5                                                   | 5420.00        | 46.5 PK                       | 74.0              | -27.5          | 1.17 H                   | 350                        | 43.77                  | 2.73                           |
| 6                                                   | 5420.00        | 35.6 AV                       | 54.0              | -18.4          | 1.17 H                   | 350                        | 32.87                  | 2.73                           |
| 7                                                   | #10520.00      | 52.7 PK                       | 74.0              | -21.3          | 2.03 H                   | 125                        | 40.30                  | 12.40                          |
| 8                                                   | #10520.00      | 41.6 AV                       | 54.0              | -12.4          | 2.03 H                   | 125                        | 29.20                  | 12.40                          |
| 9                                                   | 15780.00       | 56.3 PK                       | 74.0              | -17.7          | 2.18 H                   | 118                        | 41.48                  | 14.82                          |
| 10                                                  | 15780.00       | 45.0 AV                       | 54.0              | -9.0           | 2.18 H                   | 118                        | 30.18                  | 14.82                          |

| 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                                                 | 5100.00        | 57.2 PK                       | 74.0              | -16.8          | 2.63 V                   | 65                         | 54.88                  | 2.32                           |
| 2                                                 | 5100.00        | 46.8 AV                       | 54.0              | -7.2           | 2.63 V                   | 65                         | 44.48                  | 2.32                           |
| 3                                                 | *5260.00       | 113.8 PK                      |                   |                | 2.61 V                   | 34                         | 111.26                 | 2.54                           |
| 4                                                 | *5260.00       | 103.7 AV                      |                   |                | 2.61 V                   | 34                         | 101.16                 | 2.54                           |
| 5                                                 | 5420.00        | 59.6 PK                       | 74.0              | -14.4          | 2.62 V                   | 37                         | 56.87                  | 2.73                           |
| 6                                                 | 5420.00        | 48.9 AV                       | 54.0              | -5.1           | 2.62 V                   | 37                         | 46.17                  | 2.73                           |
| 7                                                 | #10520.00      | 50.9 PK                       | 74.0              | -23.1          | 2.54 V                   | 200                        | 38.50                  | 12.40                          |
| 8                                                 | #10520.00      | 40.7 AV                       | 54.0              | -13.3          | 2.54 V                   | 200                        | 28.30                  | 12.40                          |
| 9                                                 | 15780.00       | 56.2 PK                       | 74.0              | -17.8          | 2.42 V                   | 286                        | 41.38                  | 14.82                          |
| 10                                                | 15780.00       | 44.9 AV                       | 54.0              | -9.1           | 2.42 V                   | 286                        | 30.08                  | 14.82                          |

**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 60 | 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   | 5140.00        | 42.5 PK                       | 74.0              | -31.5          | 1.13 H                   | 336                        | 40.13                  | 2.37                           |
| 2   | 5140.00        | 33.4 AV                       | 54.0              | -20.6          | 1.13 H                   | 336                        | 31.03                  | 2.37                           |
| 3   | *5300.00       | 102.0 PK                      |                   |                | 1.18 H                   | 349                        | 99.39                  | 2.61                           |
| 4   | *5300.00       | 91.8 AV                       |                   |                | 1.18 H                   | 349                        | 89.19                  | 2.61                           |
| 5   | 5460.00        | 50.9 PK                       | 74.0              | -23.1          | 1.12 H                   | 345                        | 48.12                  | 2.78                           |
| 6   | 5460.00        | 36.0 AV                       | 54.0              | -18.0          | 1.12 H                   | 345                        | 33.22                  | 2.78                           |
| 7   | 10600.00       | 50.7 PK                       | 74.0              | -23.3          | 2.07 H                   | 123                        | 37.84                  | 12.86                          |
| 8   | 10600.00       | 38.4 AV                       | 54.0              | -15.6          | 2.07 H                   | 123                        | 25.54                  | 12.86                          |
| 9   | 15900.00       | 52.4 PK                       | 74.0              | -21.6          | 2.13 H                   | 127                        | 37.53                  | 14.87                          |
| 10  | 15900.00       | 39.8 AV                       | 54.0              | -14.2          | 2.13 H                   | 127                        | 24.93                  | 14.87                          |

**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   | 5140.00        | 55.4 PK                       | 74.0              | -18.6          | 2.52 V                   | 56                         | 53.03                  | 2.37                           |
| 2   | 5140.00        | 46.1 AV                       | 54.0              | -7.9           | 2.52 V                   | 56                         | 43.73                  | 2.37                           |
| 3   | *5300.00       | 115.4 PK                      |                   |                | 2.52 V                   | 64                         | 112.79                 | 2.61                           |
| 4   | *5300.00       | 105.3 AV                      |                   |                | 2.52 V                   | 64                         | 102.69                 | 2.61                           |
| 5   | 5460.00        | 63.5 PK                       | 74.0              | -10.5          | 2.58 V                   | 52                         | 60.72                  | 2.78                           |
| 6   | 5460.00        | 48.6 AV                       | 54.0              | -5.4           | 2.58 V                   | 52                         | 45.82                  | 2.78                           |
| 7   | 10600.00       | 50.6 PK                       | 74.0              | -23.4          | 2.39 V                   | 170                        | 37.74                  | 12.86                          |
| 8   | 10600.00       | 37.3 AV                       | 54.0              | -16.7          | 2.39 V                   | 170                        | 24.44                  | 12.86                          |
| 9   | 15900.00       | 54.0 PK                       | 74.0              | -20.0          | 2.40 V                   | 330                        | 39.13                  | 14.87                          |
| 10  | 15900.00       | 41.3 AV                       | 54.0              | -12.7          | 2.40 V                   | 330                        | 26.43                  | 14.87                          |

**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       | 101.5 PK                      |                   |                | 1.21 H                   | 333                        | 98.87                  | 2.63                           |
| 2                                                   | *5320.00       | 91.0 AV                       |                   |                | 1.21 H                   | 333                        | 88.37                  | 2.63                           |
| 3                                                   | 5350.00        | 54.4 PK                       | 74.0              | -19.6          | 1.18 H                   | 340                        | 51.75                  | 2.65                           |
| 4                                                   | 5350.00        | 40.5 AV                       | 54.0              | -13.5          | 1.18 H                   | 340                        | 37.85                  | 2.65                           |
| 5                                                   | 10640.00       | 52.7 PK                       | 74.0              | -21.3          | 2.02 H                   | 124                        | 39.82                  | 12.88                          |
| 6                                                   | 10640.00       | 41.6 AV                       | 54.0              | -12.4          | 2.02 H                   | 124                        | 28.72                  | 12.88                          |
| 7                                                   | 15960.00       | 55.8 PK                       | 74.0              | -18.2          | 2.11 H                   | 129                        | 40.87                  | 14.93                          |
| 8                                                   | 15960.00       | 44.9 AV                       | 54.0              | -9.1           | 2.11 H                   | 129                        | 29.97                  | 14.93                          |
| 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       | 114.2 PK                      |                   |                | 2.43 V                   | 37                         | 111.57                 | 2.63                           |
| 2                                                   | *5320.00       | 103.9 AV                      |                   |                | 2.43 V                   | 37                         | 101.27                 | 2.63                           |
| 3                                                   | 5350.00        | 67.6 PK                       | 74.0              | -6.4           | 2.51 V                   | 51                         | 64.95                  | 2.65                           |
| 4                                                   | 5350.00        | 53.6 AV                       | 54.0              | -0.4           | 2.51 V                   | 51                         | 50.95                  | 2.65                           |
| 5                                                   | 10640.00       | 51.4 PK                       | 74.0              | -22.6          | 2.49 V                   | 192                        | 38.52                  | 12.88                          |
| 6                                                   | 10640.00       | 40.8 AV                       | 54.0              | -13.2          | 2.49 V                   | 192                        | 27.92                  | 12.88                          |
| 7                                                   | 15960.00       | 56.2 PK                       | 74.0              | -17.8          | 2.44 V                   | 308                        | 41.27                  | 14.93                          |
| 8                                                   | 15960.00       | 44.9 AV                       | 54.0              | -9.1           | 2.44 V                   | 308                        | 29.97                  | 14.93                          |

#### 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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 100 | 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   | #5470.00       | 58.7 PK                       | 74.0              | -15.3          | 1.17 H                   | 347                        | 55.91                  | 2.79                           |
| 2   | #5470.00       | 40.7 AV                       | 54.0              | -13.3          | 1.17 H                   | 347                        | 37.91                  | 2.79                           |
| 3   | *5500.00       | 100.6 PK                      |                   |                | 1.14 H                   | 342                        | 97.77                  | 2.83                           |
| 4   | *5500.00       | 90.6 AV                       |                   |                | 1.14 H                   | 342                        | 87.77                  | 2.83                           |
| 5   | #5735.00       | 49.5 PK                       | 74.0              | -24.5          | 1.12 H                   | 352                        | 46.13                  | 3.37                           |
| 6   | #5735.00       | 39.1 AV                       | 54.0              | -14.9          | 1.12 H                   | 352                        | 35.73                  | 3.37                           |
| 7   | 11000.00       | 52.7 PK                       | 74.0              | -21.3          | 1.96 H                   | 121                        | 39.06                  | 13.64                          |
| 8   | 11000.00       | 42.0 AV                       | 54.0              | -12.0          | 1.96 H                   | 121                        | 28.36                  | 13.64                          |
| 9   | #16500.00      | 55.7 PK                       | 74.0              | -18.3          | 2.16 H                   | 129                        | 37.06                  | 18.64                          |
| 10  | #16500.00      | 44.6 AV                       | 54.0              | -9.4           | 2.16 H                   | 129                        | 25.96                  | 18.64                          |

**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       | 71.9 PK                       | 74.0              | -2.1           | 2.71 V                   | 63                         | 69.11                  | 2.79                           |
| 2   | #5470.00       | 53.9 AV                       | 54.0              | -0.1           | 2.71 V                   | 63                         | 51.11                  | 2.79                           |
| 3   | *5500.00       | 113.8 PK                      |                   |                | 2.66 V                   | 75                         | 110.97                 | 2.83                           |
| 4   | *5500.00       | 103.7 AV                      |                   |                | 2.66 V                   | 75                         | 100.87                 | 2.83                           |
| 5   | #5735.00       | 62.7 PK                       | 74.0              | -11.3          | 2.73 V                   | 50                         | 59.33                  | 3.37                           |
| 6   | #5735.00       | 52.0 AV                       | 54.0              | -2.0           | 2.73 V                   | 50                         | 48.63                  | 3.37                           |
| 7   | 11000.00       | 51.5 PK                       | 74.0              | -22.5          | 2.44 V                   | 195                        | 37.86                  | 13.64                          |
| 8   | 11000.00       | 41.3 AV                       | 54.0              | -12.7          | 2.44 V                   | 195                        | 27.66                  | 13.64                          |
| 9   | #16500.00      | 56.7 PK                       | 74.0              | -17.3          | 2.35 V                   | 284                        | 38.06                  | 18.64                          |
| 10  | #16500.00      | 45.3 AV                       | 54.0              | -8.7           | 2.35 V                   | 284                        | 26.66                  | 18.64                          |

**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   | 5420.00        | 46.9 PK                       | 74.0              | -27.1          | 1.12 H                   | 341                        | 44.17                  | 2.73                           |
| 2   | 5420.00        | 38.0 AV                       | 54.0              | -16.0          | 1.12 H                   | 341                        | 35.27                  | 2.73                           |
| 3   | *5580.00       | 100.3 PK                      |                   |                | 1.12 H                   | 356                        | 97.24                  | 3.06                           |
| 4   | *5580.00       | 90.0 AV                       |                   |                | 1.12 H                   | 356                        | 86.94                  | 3.06                           |
| 5   | #5740.00       | 44.2 PK                       | 74.0              | -29.8          | 1.18 H                   | 334                        | 40.83                  | 3.37                           |
| 6   | #5740.00       | 35.9 AV                       | 54.0              | -18.1          | 1.18 H                   | 334                        | 32.53                  | 3.37                           |
| 7   | 11160.00       | 52.9 PK                       | 74.0              | -21.1          | 2.05 H                   | 126                        | 39.28                  | 13.62                          |
| 8   | 11160.00       | 42.0 AV                       | 54.0              | -12.0          | 2.05 H                   | 126                        | 28.38                  | 13.62                          |
| 9   | #16740.00      | 56.4 PK                       | 74.0              | -17.6          | 2.15 H                   | 142                        | 36.81                  | 19.59                          |
| 10  | #16740.00      | 45.3 AV                       | 54.0              | -8.7           | 2.15 H                   | 142                        | 25.71                  | 19.59                          |

**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   | 5420.00        | 60.0 PK                       | 74.0              | -14.0          | 2.63 V                   | 80                         | 57.27                  | 2.73                           |
| 2   | 5420.00        | 50.9 AV                       | 54.0              | -3.1           | 2.63 V                   | 80                         | 48.17                  | 2.73                           |
| 3   | *5580.00       | 113.5 PK                      |                   |                | 2.44 V                   | 80                         | 110.44                 | 3.06                           |
| 4   | *5580.00       | 103.1 AV                      |                   |                | 2.44 V                   | 80                         | 100.04                 | 3.06                           |
| 5   | #5740.00       | 56.7 PK                       | 74.0              | -17.3          | 2.50 V                   | 34                         | 53.33                  | 3.37                           |
| 6   | #5740.00       | 48.5 AV                       | 54.0              | -5.5           | 2.50 V                   | 34                         | 45.13                  | 3.37                           |
| 7   | 11160.00       | 52.0 PK                       | 74.0              | -22.0          | 2.48 V                   | 190                        | 38.38                  | 13.62                          |
| 8   | 11160.00       | 41.7 AV                       | 54.0              | -12.3          | 2.48 V                   | 190                        | 28.08                  | 13.62                          |
| 9   | #16740.00      | 56.3 PK                       | 74.0              | -17.7          | 2.39 V                   | 304                        | 36.71                  | 19.59                          |
| 10  | #16740.00      | 45.2 AV                       | 54.0              | -8.8           | 2.39 V                   | 304                        | 25.61                  | 19.59                          |

**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   | 5455.00        | 48.3 PK                       | 74.0              | -25.7          | 1.20 H                   | 354                        | 45.53                  | 2.77                           |
| 2   | 5455.00        | 38.6 AV                       | 54.0              | -15.4          | 1.20 H                   | 354                        | 35.83                  | 2.77                           |
| 3   | *5700.00       | 98.8 PK                       |                   |                | 1.17 H                   | 356                        | 95.48                  | 3.32                           |
| 4   | *5700.00       | 89.8 AV                       |                   |                | 1.17 H                   | 356                        | 86.48                  | 3.32                           |
| 5   | #5725.00       | 59.5 PK                       | 74.0              | -14.5          | 1.19 H                   | 357                        | 56.14                  | 3.36                           |
| 6   | #5725.00       | 40.2 AV                       | 54.0              | -13.8          | 1.19 H                   | 357                        | 36.84                  | 3.36                           |
| 7   | 11400.00       | 53.2 PK                       | 74.0              | -20.8          | 2.03 H                   | 133                        | 39.59                  | 13.61                          |
| 8   | 11400.00       | 42.0 AV                       | 54.0              | -12.0          | 2.03 H                   | 133                        | 28.39                  | 13.61                          |
| 9   | #17100.00      | 56.3 PK                       | 74.0              | -17.7          | 2.19 H                   | 141                        | 35.40                  | 20.90                          |
| 10  | #17100.00      | 45.0 AV                       | 54.0              | -9.0           | 2.19 H                   | 141                        | 24.10                  | 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   | 5455.00        | 61.7 PK                       | 74.0              | -12.3          | 2.46 V                   | 71                         | 58.93                  | 2.77                           |
| 2   | 5455.00        | 51.9 AV                       | 54.0              | -2.1           | 2.46 V                   | 71                         | 49.13                  | 2.77                           |
| 3   | *5700.00       | 111.2 PK                      |                   |                | 2.62 V                   | 60                         | 107.88                 | 3.32                           |
| 4   | *5700.00       | 102.3 AV                      |                   |                | 2.62 V                   | 60                         | 98.98                  | 3.32                           |
| 5   | #5725.00       | 72.4 PK                       | 74.0              | -1.6           | 2.56 V                   | 83                         | 69.04                  | 3.36                           |
| 6   | #5725.00       | 53.0 AV                       | 54.0              | -1.0           | 2.56 V                   | 83                         | 49.64                  | 3.36                           |
| 7   | 11400.00       | 52.1 PK                       | 74.0              | -21.9          | 2.55 V                   | 184                        | 38.49                  | 13.61                          |
| 8   | 11400.00       | 41.5 AV                       | 54.0              | -12.5          | 2.55 V                   | 184                        | 27.89                  | 13.61                          |
| 9   | #17100.00      | 55.6 PK                       | 74.0              | -18.4          | 2.35 V                   | 304                        | 34.70                  | 20.90                          |
| 10  | #17100.00      | 44.7 AV                       | 54.0              | -9.3           | 2.35 V                   | 304                        | 23.80                  | 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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 144 | 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   | *5720.00       | 101.9 PK                      |                   |                | 1.18 H                   | 335                        | 98.55                  | 3.35                           |
| 2   | *5720.00       | 91.8 AV                       |                   |                | 1.18 H                   | 335                        | 88.45                  | 3.35                           |
| 3   | #5880.00       | 49.9 PK                       | 74.0              | -24.1          | 1.22 H                   | 357                        | 46.38                  | 3.52                           |
| 4   | #5880.00       | 39.6 AV                       | 54.0              | -14.4          | 1.22 H                   | 357                        | 36.08                  | 3.52                           |
| 5   | 11440.00       | 52.7 PK                       | 74.0              | -21.3          | 2.07 H                   | 131                        | 39.14                  | 13.56                          |
| 6   | 11440.00       | 41.8 AV                       | 54.0              | -12.2          | 2.07 H                   | 131                        | 28.24                  | 13.56                          |
| 7   | #17160.00      | 55.8 PK                       | 74.0              | -18.2          | 2.17 H                   | 114                        | 35.02                  | 20.78                          |
| 8   | #17160.00      | 44.9 AV                       | 54.0              | -9.1           | 2.17 H                   | 114                        | 24.12                  | 20.78                          |

**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   | *5720.00       | 114.6 PK                      |                   |                | 2.41 V                   | 360                        | 111.25                 | 3.35                           |
| 2   | *5720.00       | 104.4 AV                      |                   |                | 2.41 V                   | 360                        | 101.05                 | 3.35                           |
| 3   | #5880.00       | 62.7 PK                       | 74.0              | -11.3          | 2.44 V                   | 44                         | 59.18                  | 3.52                           |
| 4   | #5880.00       | 52.7 AV                       | 54.0              | -1.3           | 2.44 V                   | 44                         | 49.18                  | 3.52                           |
| 5   | 11440.00       | 51.8 PK                       | 74.0              | -22.2          | 2.48 V                   | 186                        | 38.24                  | 13.56                          |
| 6   | 11440.00       | 41.7 AV                       | 54.0              | -12.3          | 2.48 V                   | 186                        | 28.14                  | 13.56                          |
| 7   | #17160.00      | 56.3 PK                       | 74.0              | -17.7          | 2.41 V                   | 276                        | 35.52                  | 20.78                          |
| 8   | #17160.00      | 45.1 AV                       | 54.0              | -8.9           | 2.41 V                   | 276                        | 24.32                  | 20.78                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| 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                                                   | 5100.00        | 42.5 PK                       | 74.0              | -31.5          | 1.20 H                   | 350                        | 40.18                  | 2.32                           |
| 2                                                   | 5100.00        | 32.8 AV                       | 54.0              | -21.2          | 1.20 H                   | 350                        | 30.48                  | 2.32                           |
| 3                                                   | *5260.00       | 100.3 PK                      |                   |                | 1.16 H                   | 336                        | 97.76                  | 2.54                           |
| 4                                                   | *5260.00       | 90.6 AV                       |                   |                | 1.16 H                   | 336                        | 88.06                  | 2.54                           |
| 5                                                   | 5420.00        | 43.1 PK                       | 74.0              | -30.9          | 1.11 H                   | 354                        | 40.37                  | 2.73                           |
| 6                                                   | 5420.00        | 34.0 AV                       | 54.0              | -20.0          | 1.11 H                   | 354                        | 31.27                  | 2.73                           |
| 7                                                   | #10520.00      | 53.0 PK                       | 74.0              | -21.0          | 2.05 H                   | 124                        | 40.60                  | 12.40                          |
| 8                                                   | #10520.00      | 42.0 AV                       | 54.0              | -12.0          | 2.05 H                   | 124                        | 29.60                  | 12.40                          |
| 9                                                   | 15780.00       | 55.5 PK                       | 74.0              | -18.5          | 2.19 H                   | 121                        | 40.68                  | 14.82                          |
| 10                                                  | 15780.00       | 44.7 AV                       | 54.0              | -9.3           | 2.19 H                   | 121                        | 29.88                  | 14.82                          |
| 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                                                   | 5100.00        | 55.4 PK                       | 74.0              | -18.6          | 2.94 V                   | 99                         | 53.08                  | 2.32                           |
| 2                                                   | 5100.00        | 45.6 AV                       | 54.0              | -8.4           | 2.94 V                   | 99                         | 43.28                  | 2.32                           |
| 3                                                   | *5260.00       | 112.9 PK                      |                   |                | 2.54 V                   | 136                        | 110.36                 | 2.54                           |
| 4                                                   | *5260.00       | 103.3 AV                      |                   |                | 2.54 V                   | 136                        | 100.76                 | 2.54                           |
| 5                                                   | 5420.00        | 56.2 PK                       | 74.0              | -17.8          | 2.80 V                   | 86                         | 53.47                  | 2.73                           |
| 6                                                   | 5420.00        | 47.1 AV                       | 54.0              | -6.9           | 2.80 V                   | 86                         | 44.37                  | 2.73                           |
| 7                                                   | #10520.00      | 51.2 PK                       | 74.0              | -22.8          | 2.53 V                   | 174                        | 38.80                  | 12.40                          |
| 8                                                   | #10520.00      | 40.9 AV                       | 54.0              | -13.1          | 2.53 V                   | 174                        | 28.50                  | 12.40                          |
| 9                                                   | 15780.00       | 56.5 PK                       | 74.0              | -17.5          | 2.36 V                   | 287                        | 41.68                  | 14.82                          |
| 10                                                  | 15780.00       | 45.2 AV                       | 54.0              | -8.8           | 2.36 V                   | 287                        | 30.38                  | 14.82                          |

## 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   | 5140.00        | 41.9 PK                       | 74.0              | -32.1          | 1.18 H                   | 353                        | 39.53                  | 2.37                           |
| 2   | 5140.00        | 33.5 AV                       | 54.0              | -20.5          | 1.18 H                   | 353                        | 31.13                  | 2.37                           |
| 3   | *5300.00       | 99.0 PK                       |                   |                | 1.15 H                   | 332                        | 96.39                  | 2.61                           |
| 4   | *5300.00       | 90.0 AV                       |                   |                | 1.15 H                   | 332                        | 87.39                  | 2.61                           |
| 5   | 5460.00        | 47.8 PK                       | 74.0              | -26.2          | 1.14 H                   | 347                        | 45.02                  | 2.78                           |
| 6   | 5460.00        | 35.2 AV                       | 54.0              | -18.8          | 1.14 H                   | 347                        | 32.42                  | 2.78                           |
| 7   | 10600.00       | 52.3 PK                       | 74.0              | -21.7          | 1.96 H                   | 126                        | 39.44                  | 12.86                          |
| 8   | 10600.00       | 41.6 AV                       | 54.0              | -12.4          | 1.96 H                   | 126                        | 28.74                  | 12.86                          |
| 9   | 15900.00       | 56.2 PK                       | 74.0              | -17.8          | 2.22 H                   | 143                        | 41.33                  | 14.87                          |
| 10  | 15900.00       | 45.0 AV                       | 54.0              | -9.0           | 2.22 H                   | 143                        | 30.13                  | 14.87                          |

**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   | 5140.00        | 55.4 PK                       | 74.0              | -18.6          | 2.87 V                   | 88                         | 53.03                  | 2.37                           |
| 2   | 5140.00        | 46.9 AV                       | 54.0              | -7.1           | 2.87 V                   | 88                         | 44.53                  | 2.37                           |
| 3   | *5300.00       | 112.6 PK                      |                   |                | 2.51 V                   | 139                        | 109.99                 | 2.61                           |
| 4   | *5300.00       | 103.4 AV                      |                   |                | 2.51 V                   | 139                        | 100.79                 | 2.61                           |
| 5   | 5460.00        | 60.1 PK                       | 74.0              | -13.9          | 2.85 V                   | 122                        | 57.32                  | 2.78                           |
| 6   | 5460.00        | 47.8 AV                       | 54.0              | -6.2           | 2.85 V                   | 122                        | 45.02                  | 2.78                           |
| 7   | 10600.00       | 51.0 PK                       | 74.0              | -23.0          | 2.49 V                   | 186                        | 38.14                  | 12.86                          |
| 8   | 10600.00       | 40.7 AV                       | 54.0              | -13.3          | 2.49 V                   | 186                        | 27.84                  | 12.86                          |
| 9   | 15900.00       | 56.6 PK                       | 74.0              | -17.4          | 2.45 V                   | 293                        | 41.73                  | 14.87                          |
| 10  | 15900.00       | 45.2 AV                       | 54.0              | -8.8           | 2.45 V                   | 293                        | 30.33                  | 14.87                          |

**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.

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 64 | 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   | *5320.00       | 100.9 PK                      |                   |                | 1.19 H                   | 347                        | 98.27                  | 2.63                           |
| 2   | *5320.00       | 90.5 AV                       |                   |                | 1.19 H                   | 347                        | 87.87                  | 2.63                           |
| 3   | 5350.00        | 56.9 PK                       | 74.0              | -17.1          | 1.18 H                   | 350                        | 54.25                  | 2.65                           |
| 4   | 5350.00        | 39.9 AV                       | 54.0              | -14.1          | 1.18 H                   | 350                        | 37.25                  | 2.65                           |
| 5   | 10640.00       | 53.2 PK                       | 74.0              | -20.8          | 2.04 H                   | 110                        | 40.32                  | 12.88                          |
| 6   | 10640.00       | 42.4 AV                       | 54.0              | -11.6          | 2.04 H                   | 110                        | 29.52                  | 12.88                          |
| 7   | 15960.00       | 56.6 PK                       | 74.0              | -17.4          | 2.14 H                   | 139                        | 41.67                  | 14.93                          |
| 8   | 15960.00       | 45.3 AV                       | 54.0              | -8.7           | 2.14 H                   | 139                        | 30.37                  | 14.93                          |

**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       | 113.2 PK                      |                   |                | 2.79 V                   | 109                        | 110.57                 | 2.63                           |
| 2   | *5320.00       | 103.1 AV                      |                   |                | 2.79 V                   | 109                        | 100.47                 | 2.63                           |
| 3   | 5350.00        | 70.5 PK                       | 74.0              | -3.5           | 2.76 V                   | 91                         | 67.85                  | 2.65                           |
| 4   | 5350.00        | 53.3 AV                       | 54.0              | -0.7           | 2.76 V                   | 91                         | 50.65                  | 2.65                           |
| 5   | 10640.00       | 51.5 PK                       | 74.0              | -22.5          | 2.43 V                   | 200                        | 38.62                  | 12.88                          |
| 6   | 10640.00       | 41.3 AV                       | 54.0              | -12.7          | 2.43 V                   | 200                        | 28.42                  | 12.88                          |
| 7   | 15960.00       | 56.7 PK                       | 74.0              | -17.3          | 2.34 V                   | 296                        | 41.77                  | 14.93                          |
| 8   | 15960.00       | 45.2 AV                       | 54.0              | -8.8           | 2.34 V                   | 296                        | 30.27                  | 14.93                          |

**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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 100 | 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   | #5470.00       | 57.4 PK                       | 74.0              | -16.6          | 1.16 H                   | 351                        | 54.61                  | 2.79                           |
| 2   | #5470.00       | 40.1 AV                       | 54.0              | -13.9          | 1.16 H                   | 351                        | 37.31                  | 2.79                           |
| 3   | *5500.00       | 99.8 PK                       |                   |                | 1.22 H                   | 351                        | 96.97                  | 2.83                           |
| 4   | *5500.00       | 89.9 AV                       |                   |                | 1.22 H                   | 351                        | 87.07                  | 2.83                           |
| 5   | 11000.00       | 52.2 PK                       | 74.0              | -21.8          | 2.04 H                   | 111                        | 38.56                  | 13.64                          |
| 6   | 11000.00       | 41.6 AV                       | 54.0              | -12.4          | 2.04 H                   | 111                        | 27.96                  | 13.64                          |
| 7   | #16500.00      | 55.9 PK                       | 74.0              | -18.1          | 2.15 H                   | 136                        | 37.26                  | 18.64                          |
| 8   | #16500.00      | 44.8 AV                       | 54.0              | -9.2           | 2.15 H                   | 136                        | 26.16                  | 18.64                          |

**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       | 70.6 PK                       | 74.0              | -3.4           | 2.69 V                   | 64                         | 67.81                  | 2.79                           |
| 2   | #5470.00       | 53.1 AV                       | 54.0              | -0.9           | 2.69 V                   | 64                         | 50.31                  | 2.79                           |
| 3   | *5500.00       | 112.7 PK                      |                   |                | 2.66 V                   | 49                         | 109.87                 | 2.83                           |
| 4   | *5500.00       | 103.1 AV                      |                   |                | 2.66 V                   | 49                         | 100.27                 | 2.83                           |
| 5   | 11000.00       | 51.6 PK                       | 74.0              | -22.4          | 2.54 V                   | 191                        | 37.96                  | 13.64                          |
| 6   | 11000.00       | 41.1 AV                       | 54.0              | -12.9          | 2.54 V                   | 191                        | 27.46                  | 13.64                          |
| 7   | #16500.00      | 56.5 PK                       | 74.0              | -17.5          | 2.35 V                   | 290                        | 37.86                  | 18.64                          |
| 8   | #16500.00      | 45.5 AV                       | 54.0              | -8.5           | 2.35 V                   | 290                        | 26.86                  | 18.64                          |

**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 116 | 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   | 5420.00        | 48.7 PK                       | 74.0              | -25.3          | 1.18 H                   | 338                        | 45.97                  | 2.73                           |
| 2   | 5420.00        | 38.9 AV                       | 54.0              | -15.1          | 1.18 H                   | 338                        | 36.17                  | 2.73                           |
| 3   | *5580.00       | 99.5 PK                       |                   |                | 1.12 H                   | 358                        | 96.44                  | 3.06                           |
| 4   | *5580.00       | 90.2 AV                       |                   |                | 1.12 H                   | 358                        | 87.14                  | 3.06                           |
| 5   | #5740.00       | 46.9 PK                       | 74.0              | -27.1          | 1.14 H                   | 347                        | 43.53                  | 3.37                           |
| 6   | #5740.00       | 36.4 AV                       | 54.0              | -17.6          | 1.14 H                   | 347                        | 33.03                  | 3.37                           |
| 7   | 11160.00       | 52.6 PK                       | 74.0              | -21.4          | 2.06 H                   | 116                        | 38.98                  | 13.62                          |
| 8   | 11160.00       | 41.9 AV                       | 54.0              | -12.1          | 2.06 H                   | 116                        | 28.28                  | 13.62                          |
| 9   | #16740.00      | 56.0 PK                       | 74.0              | -18.0          | 2.19 H                   | 116                        | 36.41                  | 19.59                          |
| 10  | #16740.00      | 44.7 AV                       | 54.0              | -9.3           | 2.19 H                   | 116                        | 25.11                  | 19.59                          |

**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   | 5420.00        | 61.3 PK                       | 74.0              | -12.7          | 3.27 V                   | 242                        | 58.57                  | 2.73                           |
| 2   | 5420.00        | 51.5 AV                       | 54.0              | -2.5           | 3.27 V                   | 242                        | 48.77                  | 2.73                           |
| 3   | *5580.00       | 113.2 PK                      |                   |                | 2.73 V                   | 351                        | 110.14                 | 3.06                           |
| 4   | *5580.00       | 103.6 AV                      |                   |                | 2.73 V                   | 351                        | 100.54                 | 3.06                           |
| 5   | #5740.00       | 60.1 PK                       | 74.0              | -13.9          | 3.20 V                   | 230                        | 56.73                  | 3.37                           |
| 6   | #5740.00       | 49.5 AV                       | 54.0              | -4.5           | 3.20 V                   | 230                        | 46.13                  | 3.37                           |
| 7   | 11160.00       | 51.1 PK                       | 74.0              | -22.9          | 2.50 V                   | 190                        | 37.48                  | 13.62                          |
| 8   | 11160.00       | 40.8 AV                       | 54.0              | -13.2          | 2.50 V                   | 190                        | 27.18                  | 13.62                          |
| 9   | #16740.00      | 56.1 PK                       | 74.0              | -17.9          | 2.39 V                   | 281                        | 36.51                  | 19.59                          |
| 10  | #16740.00      | 44.8 AV                       | 54.0              | -9.2           | 2.39 V                   | 281                        | 25.21                  | 19.59                          |

**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   | 5460.00        | 46.6 PK                       | 74.0              | -27.4          | 1.14 H                   | 360                        | 43.82                  | 2.78                           |
| 2   | 5460.00        | 39.4 AV                       | 54.0              | -14.6          | 1.14 H                   | 360                        | 36.62                  | 2.78                           |
| 3   | *5700.00       | 97.4 PK                       |                   |                | 1.15 H                   | 345                        | 94.08                  | 3.32                           |
| 4   | *5700.00       | 87.7 AV                       |                   |                | 1.15 H                   | 345                        | 84.38                  | 3.32                           |
| 5   | #5725.00       | 60.6 PK                       | 74.0              | -13.4          | 1.12 H                   | 354                        | 57.24                  | 3.36                           |
| 6   | #5725.00       | 39.9 AV                       | 54.0              | -14.1          | 1.12 H                   | 354                        | 36.54                  | 3.36                           |
| 7   | 11400.00       | 52.5 PK                       | 74.0              | -21.5          | 1.98 H                   | 120                        | 38.89                  | 13.61                          |
| 8   | 11400.00       | 41.6 AV                       | 54.0              | -12.4          | 1.98 H                   | 120                        | 27.99                  | 13.61                          |
| 9   | #17100.00      | 56.6 PK                       | 74.0              | -17.4          | 2.15 H                   | 123                        | 35.70                  | 20.90                          |
| 10  | #17100.00      | 45.6 AV                       | 54.0              | -8.4           | 2.15 H                   | 123                        | 24.70                  | 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   | 5460.00        | 59.1 PK                       | 74.0              | -14.9          | 2.72 V                   | 349                        | 56.32                  | 2.78                           |
| 2   | 5460.00        | 52.0 AV                       | 54.0              | -2.0           | 2.72 V                   | 349                        | 49.22                  | 2.78                           |
| 3   | *5700.00       | 111.0 PK                      |                   |                | 2.54 V                   | 345                        | 107.68                 | 3.32                           |
| 4   | *5700.00       | 101.1 AV                      |                   |                | 2.54 V                   | 345                        | 97.78                  | 3.32                           |
| 5   | #5725.00       | 73.6 PK                       | 74.0              | -0.4           | 2.52 V                   | 329                        | 70.24                  | 3.36                           |
| 6   | #5725.00       | 53.1 AV                       | 54.0              | -0.9           | 2.52 V                   | 329                        | 49.74                  | 3.36                           |
| 7   | 11400.00       | 51.5 PK                       | 74.0              | -22.5          | 2.49 V                   | 196                        | 37.89                  | 13.61                          |
| 8   | 11400.00       | 41.2 AV                       | 54.0              | -12.8          | 2.49 V                   | 196                        | 27.59                  | 13.61                          |
| 9   | #17100.00      | 56.8 PK                       | 74.0              | -17.2          | 2.43 V                   | 288                        | 35.90                  | 20.90                          |
| 10  | #17100.00      | 45.5 AV                       | 54.0              | -8.5           | 2.43 V                   | 288                        | 24.60                  | 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.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 144 | 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   | *5720.00       | 101.8 PK                      |                   |                | 1.19 H                   | 353                        | 98.45                  | 3.35                           |
| 2   | *5720.00       | 91.5 AV                       |                   |                | 1.19 H                   | 353                        | 88.15                  | 3.35                           |
| 3   | #5880.00       | 50.8 PK                       | 74.0              | -23.2          | 1.11 H                   | 346                        | 47.28                  | 3.52                           |
| 4   | #5880.00       | 39.8 AV                       | 54.0              | -14.2          | 1.11 H                   | 346                        | 36.28                  | 3.52                           |
| 5   | 11440.00       | 52.9 PK                       | 74.0              | -21.1          | 1.99 H                   | 117                        | 39.34                  | 13.56                          |
| 6   | 11440.00       | 42.0 AV                       | 54.0              | -12.0          | 1.99 H                   | 117                        | 28.44                  | 13.56                          |
| 7   | #17160.00      | 56.6 PK                       | 74.0              | -17.4          | 2.14 H                   | 130                        | 35.82                  | 20.78                          |
| 8   | #17160.00      | 45.5 AV                       | 54.0              | -8.5           | 2.14 H                   | 130                        | 24.72                  | 20.78                          |

**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   | *5720.00       | 115.4 PK                      |                   |                | 2.66 V                   | 7                          | 112.05                 | 3.35                           |
| 2   | *5720.00       | 104.9 AV                      |                   |                | 2.66 V                   | 7                          | 101.55                 | 3.35                           |
| 3   | #5880.00       | 63.7 PK                       | 74.0              | -10.3          | 2.33 V                   | 215                        | 60.18                  | 3.52                           |
| 4   | #5880.00       | 52.7 AV                       | 54.0              | -1.3           | 2.33 V                   | 215                        | 49.18                  | 3.52                           |
| 5   | 11440.00       | 50.9 PK                       | 74.0              | -23.1          | 2.50 V                   | 183                        | 37.34                  | 13.56                          |
| 6   | 11440.00       | 40.9 AV                       | 54.0              | -13.1          | 2.50 V                   | 183                        | 27.34                  | 13.56                          |
| 7   | #17160.00      | 56.2 PK                       | 74.0              | -17.8          | 2.39 V                   | 286                        | 35.42                  | 20.78                          |
| 8   | #17160.00      | 44.7 AV                       | 54.0              | -9.3           | 2.39 V                   | 286                        | 23.92                  | 20.78                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 54 | 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                                                   | 5120.00        | 43.0 PK                       | 74.0              | -31.0          | 1.16 H                   | 358                        | 40.65                  | 2.35                           |
| 2                                                   | 5120.00        | 33.9 AV                       | 54.0              | -20.1          | 1.16 H                   | 358                        | 31.55                  | 2.35                           |
| 3                                                   | *5270.00       | 98.7 PK                       |                   |                | 1.18 H                   | 359                        | 96.14                  | 2.56                           |
| 4                                                   | *5270.00       | 88.3 AV                       |                   |                | 1.18 H                   | 359                        | 85.74                  | 2.56                           |
| 5                                                   | 5350.00        | 54.7 PK                       | 74.0              | -19.3          | 1.17 H                   | 360                        | 52.05                  | 2.65                           |
| 6                                                   | 5350.00        | 41.3 AV                       | 54.0              | -12.7          | 1.17 H                   | 360                        | 38.65                  | 2.65                           |
| 7                                                   | #10540.00      | 53.0 PK                       | 74.0              | -21.0          | 2.06 H                   | 111                        | 40.48                  | 12.52                          |
| 8                                                   | #10540.00      | 41.8 AV                       | 54.0              | -12.2          | 2.06 H                   | 111                        | 29.28                  | 12.52                          |
| 9                                                   | 15810.00       | 55.6 PK                       | 74.0              | -18.4          | 2.21 H                   | 128                        | 40.84                  | 14.76                          |
| 10                                                  | 15810.00       | 44.7 AV                       | 54.0              | -9.3           | 2.21 H                   | 128                        | 29.94                  | 14.76                          |
| 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                                                   | 5120.00        | 56.5 PK                       | 74.0              | -17.5          | 2.84 V                   | 226                        | 54.15                  | 2.35                           |
| 2                                                   | 5120.00        | 47.4 AV                       | 54.0              | -6.6           | 2.84 V                   | 226                        | 45.05                  | 2.35                           |
| 3                                                   | *5270.00       | 111.3 PK                      |                   |                | 2.72 V                   | 221                        | 108.74                 | 2.56                           |
| 4                                                   | *5270.00       | 101.0 AV                      |                   |                | 2.72 V                   | 221                        | 98.44                  | 2.56                           |
| 5                                                   | 5350.00        | 67.3 PK                       | 74.0              | -6.7           | 2.77 V                   | 198                        | 64.65                  | 2.65                           |
| 6                                                   | 5350.00        | 53.9 AV                       | 54.0              | -0.1           | 2.77 V                   | 198                        | 51.25                  | 2.65                           |
| 7                                                   | #10540.00      | 51.8 PK                       | 74.0              | -22.2          | 2.49 V                   | 191                        | 39.28                  | 12.52                          |
| 8                                                   | #10540.00      | 41.7 AV                       | 54.0              | -12.3          | 2.49 V                   | 191                        | 29.18                  | 12.52                          |
| 9                                                   | 15810.00       | 56.0 PK                       | 74.0              | -18.0          | 2.40 V                   | 300                        | 41.24                  | 14.76                          |
| 10                                                  | 15810.00       | 44.9 AV                       | 54.0              | -9.1           | 2.40 V                   | 300                        | 30.14                  | 14.76                          |

## 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       | 94.3 PK                       |                   |                | 1.13 H                   | 348                        | 91.69                  | 2.61                           |
| 2                                                   | *5310.00       | 83.8 AV                       |                   |                | 1.13 H                   | 348                        | 81.19                  | 2.61                           |
| 3                                                   | 5350.00        | 58.6 PK                       | 74.0              | -15.4          | 1.23 H                   | 333                        | 55.95                  | 2.65                           |
| 4                                                   | 5350.00        | 39.7 AV                       | 54.0              | -14.3          | 1.23 H                   | 333                        | 37.05                  | 2.65                           |
| 5                                                   | 10620.00       | 53.1 PK                       | 74.0              | -20.9          | 2.06 H                   | 112                        | 40.22                  | 12.88                          |
| 6                                                   | 10620.00       | 42.4 AV                       | 54.0              | -11.6          | 2.06 H                   | 112                        | 29.52                  | 12.88                          |
| 7                                                   | 15930.00       | 56.0 PK                       | 74.0              | -18.0          | 2.19 H                   | 126                        | 41.10                  | 14.90                          |
| 8                                                   | 15930.00       | 44.7 AV                       | 54.0              | -9.3           | 2.19 H                   | 126                        | 29.80                  | 14.90                          |
| 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                                                   | *5310.00       | 107.6 PK                      |                   |                | 2.84 V                   | 223                        | 104.99                 | 2.61                           |
| 2                                                   | *5310.00       | 97.1 AV                       |                   |                | 2.84 V                   | 223                        | 94.49                  | 2.61                           |
| 3                                                   | 5350.00        | 71.7 PK                       | 74.0              | -2.3           | 2.89 V                   | 218                        | 69.05                  | 2.65                           |
| 4                                                   | 5350.00        | 52.8 AV                       | 54.0              | -1.2           | 2.89 V                   | 218                        | 50.15                  | 2.65                           |
| 5                                                   | 10620.00       | 51.5 PK                       | 74.0              | -22.5          | 2.52 V                   | 184                        | 38.62                  | 12.88                          |
| 6                                                   | 10620.00       | 41.4 AV                       | 54.0              | -12.6          | 2.52 V                   | 184                        | 28.52                  | 12.88                          |
| 7                                                   | 15930.00       | 56.8 PK                       | 74.0              | -17.2          | 2.44 V                   | 284                        | 41.90                  | 14.90                          |
| 8                                                   | 15930.00       | 45.4 AV                       | 54.0              | -8.6           | 2.44 V                   | 284                        | 30.50                  | 14.90                          |

#### 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.



|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 102 | 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   | #5470.00       | 58.3 PK                       | 74.0              | -15.7          | 1.14 H                   | 348                        | 55.51                  | 2.79                           |
| 2   | #5470.00       | 39.9 AV                       | 54.0              | -14.1          | 1.14 H                   | 348                        | 37.11                  | 2.79                           |
| 3   | *5510.00       | 96.2 PK                       |                   |                | 1.15 H                   | 360                        | 93.35                  | 2.85                           |
| 4   | *5510.00       | 85.6 AV                       |                   |                | 1.15 H                   | 360                        | 82.75                  | 2.85                           |
| 5   | #5970.00       | 42.9 PK                       | 74.0              | -31.1          | 1.17 H                   | 355                        | 39.17                  | 3.73                           |
| 6   | #5970.00       | 34.4 AV                       | 54.0              | -19.6          | 1.17 H                   | 355                        | 30.67                  | 3.73                           |
| 7   | 11020.00       | 52.6 PK                       | 74.0              | -21.4          | 2.01 H                   | 130                        | 38.96                  | 13.64                          |
| 8   | 11020.00       | 41.5 AV                       | 54.0              | -12.5          | 2.01 H                   | 130                        | 27.86                  | 13.64                          |
| 9   | #16530.00      | 56.2 PK                       | 74.0              | -17.8          | 2.16 H                   | 138                        | 37.38                  | 18.82                          |
| 10  | #16530.00      | 45.0 AV                       | 54.0              | -9.0           | 2.16 H                   | 138                        | 26.18                  | 18.82                          |

**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       | 71.7 PK                       | 74.0              | -2.3           | 2.81 V                   | 325                        | 68.91                  | 2.79                           |
| 2   | #5470.00       | 53.4 AV                       | 54.0              | -0.6           | 2.81 V                   | 325                        | 50.61                  | 2.79                           |
| 3   | *5510.00       | 109.1 PK                      |                   |                | 2.91 V                   | 360                        | 106.25                 | 2.85                           |
| 4   | *5510.00       | 98.3 AV                       |                   |                | 2.91 V                   | 360                        | 95.45                  | 2.85                           |
| 5   | #5970.00       | 55.9 PK                       | 74.0              | -18.1          | 2.87 V                   | 352                        | 52.17                  | 3.73                           |
| 6   | #5970.00       | 47.4 AV                       | 54.0              | -6.6           | 2.87 V                   | 352                        | 43.67                  | 3.73                           |
| 7   | 11020.00       | 51.4 PK                       | 74.0              | -22.6          | 2.44 V                   | 202                        | 37.76                  | 13.64                          |
| 8   | 11020.00       | 41.4 AV                       | 54.0              | -12.6          | 2.44 V                   | 202                        | 27.76                  | 13.64                          |
| 9   | #16530.00      | 55.6 PK                       | 74.0              | -18.4          | 2.35 V                   | 283                        | 36.78                  | 18.82                          |
| 10  | #16530.00      | 44.7 AV                       | 54.0              | -9.3           | 2.35 V                   | 283                        | 25.88                  | 18.82                          |

**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       | 51.5 PK                       | 74.0              | -22.5          | 1.14 H                   | 337                        | 48.71                  | 2.79                           |
| 2   | #5470.00       | 38.9 AV                       | 54.0              | -15.1          | 1.14 H                   | 337                        | 36.11                  | 2.79                           |
| 3   | *5550.00       | 99.1 PK                       |                   |                | 1.15 H                   | 351                        | 96.12                  | 2.98                           |
| 4   | *5550.00       | 88.5 AV                       |                   |                | 1.15 H                   | 351                        | 85.52                  | 2.98                           |
| 5   | #5725.00       | 43.6 PK                       | 74.0              | -30.4          | 1.14 H                   | 351                        | 40.24                  | 3.36                           |
| 6   | #5725.00       | 33.8 AV                       | 54.0              | -20.2          | 1.14 H                   | 351                        | 30.44                  | 3.36                           |
| 7   | 11100.00       | 53.0 PK                       | 74.0              | -21.0          | 2.05 H                   | 110                        | 39.38                  | 13.62                          |
| 8   | 11100.00       | 42.0 AV                       | 54.0              | -12.0          | 2.05 H                   | 110                        | 28.38                  | 13.62                          |
| 9   | #16650.00      | 55.9 PK                       | 74.0              | -18.1          | 2.12 H                   | 142                        | 36.51                  | 19.39                          |
| 10  | #16650.00      | 44.9 AV                       | 54.0              | -9.1           | 2.12 H                   | 142                        | 25.51                  | 19.39                          |

**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       | 64.9 PK                       | 74.0              | -9.1           | 2.58 V                   | 360                        | 62.11                  | 2.79                           |
| 2   | #5470.00       | 52.1 AV                       | 54.0              | -1.9           | 2.58 V                   | 360                        | 49.31                  | 2.79                           |
| 3   | *5550.00       | 112.2 PK                      |                   |                | 2.71 V                   | 332                        | 109.22                 | 2.98                           |
| 4   | *5550.00       | 101.6 AV                      |                   |                | 2.71 V                   | 332                        | 98.62                  | 2.98                           |
| 5   | #5725.00       | 56.2 PK                       | 74.0              | -17.8          | 2.59 V                   | 310                        | 52.84                  | 3.36                           |
| 6   | #5725.00       | 46.5 AV                       | 54.0              | -7.5           | 2.59 V                   | 310                        | 43.14                  | 3.36                           |
| 7   | 11100.00       | 50.9 PK                       | 74.0              | -23.1          | 2.44 V                   | 201                        | 37.28                  | 13.62                          |
| 8   | 11100.00       | 40.8 AV                       | 54.0              | -13.2          | 2.44 V                   | 201                        | 27.18                  | 13.62                          |
| 9   | #16650.00      | 57.0 PK                       | 74.0              | -17.0          | 2.44 V                   | 277                        | 37.61                  | 19.39                          |
| 10  | #16650.00      | 45.5 AV                       | 54.0              | -8.5           | 2.44 V                   | 277                        | 26.11                  | 19.39                          |

**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       | 95.3 PK                       |                   |                | 1.23 H                   | 340                        | 92.04                  | 3.26                           |
| 2   | *5670.00       | 85.4 AV                       |                   |                | 1.23 H                   | 340                        | 82.14                  | 3.26                           |
| 3   | #5725.00       | 54.3 PK                       | 74.0              | -19.7          | 1.14 H                   | 351                        | 50.94                  | 3.36                           |
| 4   | #5725.00       | 40.6 AV                       | 54.0              | -13.4          | 1.14 H                   | 351                        | 37.24                  | 3.36                           |
| 5   | 11340.00       | 52.9 PK                       | 74.0              | -21.1          | 1.99 H                   | 104                        | 39.20                  | 13.70                          |
| 6   | 11340.00       | 41.9 AV                       | 54.0              | -12.1          | 1.99 H                   | 104                        | 28.20                  | 13.70                          |
| 7   | #17010.00      | 55.9 PK                       | 74.0              | -18.1          | 2.12 H                   | 132                        | 35.13                  | 20.77                          |
| 8   | #17010.00      | 45.1 AV                       | 54.0              | -8.9           | 2.12 H                   | 132                        | 24.33                  | 20.77                          |

**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       | 108.0 PK                      |                   |                | 2.55 V                   | 343                        | 104.74                 | 3.26                           |
| 2   | *5670.00       | 98.1 AV                       |                   |                | 2.55 V                   | 343                        | 94.84                  | 3.26                           |
| 3   | #5725.00       | 67.4 PK                       | 74.0              | -6.6           | 2.43 V                   | 303                        | 64.04                  | 3.36                           |
| 4   | #5725.00       | 53.7 AV                       | 54.0              | -0.3           | 2.43 V                   | 303                        | 50.34                  | 3.36                           |
| 5   | 11340.00       | 51.8 PK                       | 74.0              | -22.2          | 2.46 V                   | 190                        | 38.10                  | 13.70                          |
| 6   | 11340.00       | 41.4 AV                       | 54.0              | -12.6          | 2.46 V                   | 190                        | 27.70                  | 13.70                          |
| 7   | #17010.00      | 56.7 PK                       | 74.0              | -17.3          | 2.46 V                   | 297                        | 35.93                  | 20.77                          |
| 8   | #17010.00      | 45.5 AV                       | 54.0              | -8.5           | 2.46 V                   | 297                        | 24.73                  | 20.77                          |

**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 142 | <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   | 5460.00        | 44.5 PK                       | 74.0              | -29.5          | 1.19 H                   | 348                        | 41.72                  | 2.78                           |
| 2   | 5460.00        | 34.4 AV                       | 54.0              | -19.6          | 1.19 H                   | 348                        | 31.62                  | 2.78                           |
| 3   | *5710.00       | 98.2 PK                       |                   |                | 1.17 H                   | 353                        | 94.86                  | 3.34                           |
| 4   | *5710.00       | 87.0 AV                       |                   |                | 1.17 H                   | 353                        | 83.66                  | 3.34                           |
| 5   | #5870.00       | 45.1 PK                       | 74.0              | -28.9          | 1.20 H                   | 353                        | 41.59                  | 3.51                           |
| 6   | #5870.00       | 33.7 AV                       | 54.0              | -20.3          | 1.20 H                   | 353                        | 30.19                  | 3.51                           |
| 7   | 11420.00       | 53.1 PK                       | 74.0              | -20.9          | 1.99 H                   | 128                        | 39.51                  | 13.59                          |
| 8   | 11420.00       | 42.2 AV                       | 54.0              | -11.8          | 1.99 H                   | 128                        | 28.61                  | 13.59                          |
| 9   | #17130.00      | 55.6 PK                       | 74.0              | -18.4          | 2.15 H                   | 131                        | 34.77                  | 20.83                          |
| 10  | #17130.00      | 44.6 AV                       | 54.0              | -9.4           | 2.15 H                   | 131                        | 23.77                  | 20.83                          |

**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   | 5460.00        | 57.7 PK                       | 74.0              | -16.3          | 2.64 V                   | 343                        | 54.92                  | 2.78                           |
| 2   | 5460.00        | 47.3 AV                       | 54.0              | -6.7           | 2.64 V                   | 343                        | 44.52                  | 2.78                           |
| 3   | *5710.00       | 111.5 PK                      |                   |                | 2.96 V                   | 335                        | 108.16                 | 3.34                           |
| 4   | *5710.00       | 100.2 AV                      |                   |                | 2.96 V                   | 335                        | 96.86                  | 3.34                           |
| 5   | #5870.00       | 58.5 PK                       | 74.0              | -15.5          | 2.79 V                   | 360                        | 54.99                  | 3.51                           |
| 6   | #5870.00       | 47.0 AV                       | 54.0              | -7.0           | 2.79 V                   | 360                        | 43.49                  | 3.51                           |
| 7   | 11420.00       | 51.2 PK                       | 74.0              | -22.8          | 2.52 V                   | 196                        | 37.61                  | 13.59                          |
| 8   | 11420.00       | 40.8 AV                       | 54.0              | -13.2          | 2.52 V                   | 196                        | 27.21                  | 13.59                          |
| 9   | #17130.00      | 56.7 PK                       | 74.0              | -17.3          | 2.35 V                   | 297                        | 35.87                  | 20.83                          |
| 10  | #17130.00      | 45.2 AV                       | 54.0              | -8.8           | 2.35 V                   | 297                        | 24.37                  | 20.83                          |

**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.

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|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| 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        | 44.9 PK                       | 74.0              | -29.1          | 1.20 H                   | 334                        | 42.53                  | 2.37                           |
| 2                                                   | 5150.00        | 30.4 AV                       | 54.0              | -23.6          | 1.20 H                   | 334                        | 28.03                  | 2.37                           |
| 3                                                   | *5290.00       | 91.1 PK                       |                   |                | 1.21 H                   | 357                        | 88.51                  | 2.59                           |
| 4                                                   | *5290.00       | 79.8 AV                       |                   |                | 1.21 H                   | 357                        | 77.21                  | 2.59                           |
| 5                                                   | 5350.00        | 59.2 PK                       | 74.0              | -14.8          | 1.16 H                   | 360                        | 56.55                  | 2.65                           |
| 6                                                   | 5350.00        | 40.7 AV                       | 54.0              | -13.3          | 1.16 H                   | 360                        | 38.05                  | 2.65                           |
| 7                                                   | #10580.00      | 52.6 PK                       | 74.0              | -21.4          | 1.99 H                   | 110                        | 39.85                  | 12.75                          |
| 8                                                   | #10580.00      | 41.7 AV                       | 54.0              | -12.3          | 1.99 H                   | 110                        | 28.95                  | 12.75                          |
| 9                                                   | 15870.00       | 56.1 PK                       | 74.0              | -17.9          | 2.14 H                   | 115                        | 41.27                  | 14.83                          |
| 10                                                  | 15870.00       | 45.0 AV                       | 54.0              | -9.0           | 2.14 H                   | 115                        | 30.17                  | 14.83                          |
| 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        | 58.1 PK                       | 74.0              | -15.9          | 2.50 V                   | 265                        | 55.73                  | 2.37                           |
| 2                                                   | 5150.00        | 43.5 AV                       | 54.0              | -10.5          | 2.50 V                   | 265                        | 41.13                  | 2.37                           |
| 3                                                   | *5290.00       | 103.9 PK                      |                   |                | 2.42 V                   | 260                        | 101.31                 | 2.59                           |
| 4                                                   | *5290.00       | 92.7 AV                       |                   |                | 2.42 V                   | 260                        | 90.11                  | 2.59                           |
| 5                                                   | 5350.00        | 72.1 PK                       | 74.0              | -1.9           | 2.44 V                   | 259                        | 69.45                  | 2.65                           |
| 6                                                   | 5350.00        | 53.8 AV                       | 54.0              | -0.2           | 2.44 V                   | 259                        | 51.15                  | 2.65                           |
| 7                                                   | #10580.00      | 51.5 PK                       | 74.0              | -22.5          | 2.52 V                   | 194                        | 38.75                  | 12.75                          |
| 8                                                   | #10580.00      | 41.2 AV                       | 54.0              | -12.8          | 2.52 V                   | 194                        | 28.45                  | 12.75                          |
| 9                                                   | 15870.00       | 56.5 PK                       | 74.0              | -17.5          | 2.44 V                   | 307                        | 41.67                  | 14.83                          |
| 10                                                  | 15870.00       | 45.4 AV                       | 54.0              | -8.6           | 2.44 V                   | 307                        | 30.57                  | 14.83                          |

## 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 106 | 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   | #5470.00       | 60.6 PK                       | 74.0              | -13.4          | 1.17 H                   | 339                        | 57.81                  | 2.79                           |
| 2   | #5470.00       | 40.6 AV                       | 54.0              | -13.4          | 1.17 H                   | 339                        | 37.81                  | 2.79                           |
| 3   | *5530.00       | 93.4 PK                       |                   |                | 1.12 H                   | 341                        | 90.48                  | 2.92                           |
| 4   | *5530.00       | 80.7 AV                       |                   |                | 1.12 H                   | 341                        | 77.78                  | 2.92                           |
| 5   | 11060.00       | 52.8 PK                       | 74.0              | -21.2          | 1.96 H                   | 110                        | 39.17                  | 13.63                          |
| 6   | 11060.00       | 41.7 AV                       | 54.0              | -12.3          | 1.96 H                   | 110                        | 28.07                  | 13.63                          |
| 7   | #16590.00      | 56.1 PK                       | 74.0              | -17.9          | 2.20 H                   | 144                        | 36.92                  | 19.18                          |
| 8   | #16590.00      | 45.0 AV                       | 54.0              | -9.0           | 2.20 H                   | 144                        | 25.82                  | 19.18                          |

**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       | 73.4 PK                       | 74.0              | -0.6           | 2.43 V                   | 295                        | 70.61                  | 2.79                           |
| 2   | #5470.00       | 53.2 AV                       | 54.0              | -0.8           | 2.43 V                   | 295                        | 50.41                  | 2.79                           |
| 3   | *5530.00       | 105.9 PK                      |                   |                | 2.46 V                   | 285                        | 102.98                 | 2.92                           |
| 4   | *5530.00       | 93.3 AV                       |                   |                | 2.46 V                   | 285                        | 90.38                  | 2.92                           |
| 5   | 11060.00       | 51.4 PK                       | 74.0              | -22.6          | 2.46 V                   | 188                        | 37.77                  | 13.63                          |
| 6   | 11060.00       | 41.4 AV                       | 54.0              | -12.6          | 2.46 V                   | 188                        | 27.77                  | 13.63                          |
| 7   | #16590.00      | 56.6 PK                       | 74.0              | -17.4          | 2.36 V                   | 300                        | 37.42                  | 19.18                          |
| 8   | #16590.00      | 45.2 AV                       | 54.0              | -8.8           | 2.36 V                   | 300                        | 26.02                  | 19.18                          |

**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 122 | 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   | #5470.00       | 48.5 PK                       | 74.0              | -25.5          | 1.17 H                   | 360                        | 45.71                  | 2.79                           |
| 2   | #5470.00       | 36.5 AV                       | 54.0              | -17.5          | 1.17 H                   | 360                        | 33.71                  | 2.79                           |
| 3   | *5610.00       | 94.4 PK                       |                   |                | 1.17 H                   | 334                        | 91.25                  | 3.15                           |
| 4   | *5610.00       | 82.3 AV                       |                   |                | 1.17 H                   | 334                        | 79.15                  | 3.15                           |
| 5   | #5725.00       | 56.9 PK                       | 74.0              | -17.1          | 1.23 H                   | 334                        | 53.54                  | 3.36                           |
| 6   | #5725.00       | 40.7 AV                       | 54.0              | -13.3          | 1.23 H                   | 334                        | 37.34                  | 3.36                           |
| 7   | 11220.00       | 52.9 PK                       | 74.0              | -21.1          | 2.03 H                   | 114                        | 39.26                  | 13.64                          |
| 8   | 11220.00       | 41.8 AV                       | 54.0              | -12.2          | 2.03 H                   | 114                        | 28.16                  | 13.64                          |
| 9   | #16830.00      | 56.2 PK                       | 74.0              | -17.8          | 2.21 H                   | 118                        | 36.35                  | 19.85                          |
| 10  | #16830.00      | 44.9 AV                       | 54.0              | -9.1           | 2.21 H                   | 118                        | 25.05                  | 19.85                          |

**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       | 61.8 PK                       | 74.0              | -12.2          | 2.53 V                   | 277                        | 59.01                  | 2.79                           |
| 2   | #5470.00       | 49.6 AV                       | 54.0              | -4.4           | 2.53 V                   | 277                        | 46.81                  | 2.79                           |
| 3   | *5610.00       | 107.6 PK                      |                   |                | 2.56 V                   | 259                        | 104.45                 | 3.15                           |
| 4   | *5610.00       | 95.6 AV                       |                   |                | 2.56 V                   | 259                        | 92.45                  | 3.15                           |
| 5   | #5725.00       | 70.0 PK                       | 74.0              | -4.0           | 2.47 V                   | 290                        | 66.64                  | 3.36                           |
| 6   | #5725.00       | 53.6 AV                       | 54.0              | -0.4           | 2.47 V                   | 290                        | 50.24                  | 3.36                           |
| 7   | 11220.00       | 51.4 PK                       | 74.0              | -22.6          | 2.47 V                   | 194                        | 37.76                  | 13.64                          |
| 8   | 11220.00       | 40.9 AV                       | 54.0              | -13.1          | 2.47 V                   | 194                        | 27.26                  | 13.64                          |
| 9   | #16830.00      | 56.5 PK                       | 74.0              | -17.5          | 2.41 V                   | 303                        | 36.65                  | 19.85                          |
| 10  | #16830.00      | 45.5 AV                       | 54.0              | -8.5           | 2.41 V                   | 303                        | 25.65                  | 19.85                          |

**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 138 | 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   | *5690.00       | 94.1 PK                       |                   |                | 1.16 H                   | 360                        | 90.80                  | 3.30                           |
| 2   | *5690.00       | 82.0 AV                       |                   |                | 1.16 H                   | 360                        | 78.70                  | 3.30                           |
| 3   | #5850.00       | 51.0 PK                       | 78.2              | -27.2          | 1.21 H                   | 344                        | 47.51                  | 3.49                           |
| 4   | 11380.00       | 52.7 PK                       | 74.0              | -21.3          | 2.07 H                   | 126                        | 39.07                  | 13.63                          |
| 5   | 11380.00       | 42.0 AV                       | 54.0              | -12.0          | 2.07 H                   | 126                        | 28.37                  | 13.63                          |
| 6   | #17070.00      | 56.1 PK                       | 74.0              | -17.9          | 2.14 H                   | 113                        | 35.25                  | 20.85                          |
| 7   | #17070.00      | 45.0 AV                       | 54.0              | -9.0           | 2.14 H                   | 113                        | 24.15                  | 20.85                          |

**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   | *5690.00       | 107.6 PK                      |                   |                | 2.80 V                   | 360                        | 104.30                 | 3.30                           |
| 2   | *5690.00       | 95.5 AV                       |                   |                | 2.80 V                   | 360                        | 92.20                  | 3.30                           |
| 3   | #5850.00       | 63.7 PK                       | 78.2              | -14.5          | 2.82 V                   | 360                        | 60.21                  | 3.49                           |
| 4   | 11380.00       | 51.9 PK                       | 74.0              | -22.1          | 2.46 V                   | 176                        | 38.27                  | 13.63                          |
| 5   | 11380.00       | 41.3 AV                       | 54.0              | -12.7          | 2.46 V                   | 176                        | 27.67                  | 13.63                          |
| 6   | #17070.00      | 56.8 PK                       | 74.0              | -17.2          | 2.45 V                   | 293                        | 35.95                  | 20.85                          |
| 7   | #17070.00      | 45.5 AV                       | 54.0              | -8.5           | 2.45 V                   | 293                        | 24.65                  | 20.85                          |

**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 WORST-CASE DATA**

**802.11ac (VHT 40)**

**ANT7, ANT8, ANT9**

|                        |               |                              |                 |
|------------------------|---------------|------------------------------|-----------------|
| <b>CHANNEL</b>         | TX Channel 54 | <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                                                   | 39.53          | 34.0 QP                       | 40.0              | -6.0           | 1.00 H                   | 78                         | 49.75                  | -15.79                         |
| 2                                                   | 147.52         | 35.9 QP                       | 43.5              | -7.7           | 2.00 H                   | 66                         | 51.09                  | -15.24                         |
| 3                                                   | 239.47         | 38.4 QP                       | 46.0              | -7.6           | 1.50 H                   | 271                        | 54.99                  | -16.62                         |
| 4                                                   | 400.01         | 41.7 QP                       | 46.0              | -4.3           | 1.00 H                   | 66                         | 53.51                  | -11.78                         |
| 5                                                   | 800.01         | 39.8 QP                       | 46.0              | -6.2           | 1.00 H                   | 283                        | 43.41                  | -3.57                          |
| 6                                                   | 1000.00        | 34.8 QP                       | 54.0              | -19.2          | 1.50 H                   | 320                        | 35.76                  | -0.99                          |
| 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                                                   | 38.95          | 34.4 QP                       | 40.0              | -5.7           | 1.00 V                   | 260                        | 50.18                  | -15.83                         |
| 2                                                   | 74.01          | 34.7 QP                       | 40.0              | -5.3           | 1.50 V                   | 263                        | 53.37                  | -18.68                         |
| 3                                                   | 106.73         | 39.4 QP                       | 43.5              | -4.1           | 1.00 V                   | 242                        | 57.78                  | -18.42                         |
| 4                                                   | 145.36         | 32.6 QP                       | 43.5              | -10.9          | 1.00 V                   | 95                         | 47.84                  | -15.28                         |
| 5                                                   | 400.01         | 40.8 QP                       | 46.0              | -5.2           | 1.50 V                   | 200                        | 52.59                  | -11.78                         |
| 6                                                   | 1000.00        | 36.0 QP                       | 54.0              | -18.0          | 1.50 V                   | 206                        | 36.95                  | -0.99                          |

## **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)

#### BELOW 1GHz WORST-CASE DATA

802.11ac (VHT 40)

ANT1, ANT2, ANT3

|                 |               |                      |                 |
|-----------------|---------------|----------------------|-----------------|
| CHANNEL         | TX Channel 54 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 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                                                   | 39.11          | 33.4 QP                       | 40.0              | -6.6           | 1.24 H                   | 301                        | 49.23                  | -15.82                         |
| 2                                                   | 88.24          | 34.4 QP                       | 43.5              | -9.1           | 1.24 H                   | 100                        | 55.42                  | -21.00                         |
| 3                                                   | 146.12         | 34.3 QP                       | 43.5              | -9.2           | 1.24 H                   | 100                        | 49.62                  | -15.31                         |
| 4                                                   | 164.21         | 30.4 QP                       | 43.5              | -13.1          | 1.42 H                   | 100                        | 45.67                  | -15.25                         |
| 5                                                   | 799.74         | 39.4 QP                       | 46.0              | -6.6           | 1.24 H                   | 124                        | 42.99                  | -3.57                          |
| 6                                                   | 999.72         | 34.7 QP                       | 54.0              | -19.3          | 1.24 H                   | 99                         | 35.71                  | -0.99                          |
| 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                                                   | 30.12          | 35.0 QP                       | 40.0              | -5.0           | 1.24 V                   | 100                        | 51.51                  | -16.50                         |
| 2                                                   | 73.74          | 34.1 QP                       | 40.0              | -5.9           | 1.67 V                   | 104                        | 52.72                  | -18.60                         |
| 3                                                   | 106.41         | 38.2 QP                       | 43.5              | -5.3           | 1.24 V                   | 100                        | 56.66                  | -18.45                         |
| 4                                                   | 146.12         | 33.2 QP                       | 43.5              | -10.3          | 1.64 V                   | 78                         | 48.52                  | -15.31                         |
| 5                                                   | 249.55         | 27.0 QP                       | 46.0              | -19.0          | 1.68 V                   | 86                         | 43.16                  | -16.15                         |
| 6                                                   | 1000.00        | 35.7 QP                       | 54.0              | -18.3          | 1.00 V                   | 333                        | 36.71                  | -0.99                          |

#### 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

#### 4.1.10 Test Results (Mode 4)

#### BELOW 1GHz WORST-CASE DATA

802.11ac (VHT 40)

ANT7, ANT8, ANT9

|                 |               |                      |                 |
|-----------------|---------------|----------------------|-----------------|
| CHANNEL         | TX Channel 54 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 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                                                   | 39.92          | 33.5 QP                       | 40.0              | -6.6           | 1.42 H                   | 100                        | 49.21                  | -15.76                         |
| 2                                                   | 147.24         | 35.5 QP                       | 43.5              | -8.0           | 1.24 H                   | 100                        | 50.76                  | -15.25                         |
| 3                                                   | 239.12         | 38.7 QP                       | 46.0              | -7.3           | 1.24 H                   | 66                         | 55.30                  | -16.63                         |
| 4                                                   | 400.12         | 41.4 QP                       | 46.0              | -4.6           | 1.24 H                   | 99                         | 53.20                  | -11.78                         |
| 5                                                   | 800.24         | 39.7 QP                       | 46.0              | -6.3           | 1.85 H                   | 57                         | 43.28                  | -3.56                          |
| 6                                                   | 998.50         | 34.5 QP                       | 54.0              | -19.5          | 1.54 H                   | 240                        | 35.52                  | -1.01                          |
| 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                                                   | 38.72          | 34.5 QP                       | 40.0              | -5.5           | 1.24 V                   | 211                        | 50.36                  | -15.85                         |
| 2                                                   | 74.21          | 34.4 QP                       | 40.0              | -5.6           | 1.24 V                   | 214                        | 53.16                  | -18.74                         |
| 3                                                   | 106.62         | 39.5 QP                       | 43.5              | -4.0           | 1.42 V                   | 120                        | 57.95                  | -18.43                         |
| 4                                                   | 145.24         | 32.9 QP                       | 43.5              | -10.7          | 1.24 V                   | 124                        | 48.12                  | -15.27                         |
| 5                                                   | 400.12         | 40.5 QP                       | 46.0              | -5.5           | 1.24 V                   | 301                        | 52.30                  | -11.78                         |
| 6                                                   | 996.70         | 35.4 QP                       | 54.0              | -18.6          | 1.45 V                   | 24                         | 36.47                  | -1.05                          |

#### 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 Conducted Emission Measurement

### 4.2.1 Limits of Conducted Emission Measurement

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

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 4.2.2 Test Instruments

| DESCRIPTION & MANUFACTURER                                          | MODEL NO.               | SERIAL NO. | CALIBRATED DATE | CALIBRATED UNTIL |
|---------------------------------------------------------------------|-------------------------|------------|-----------------|------------------|
| Test Receiver<br>R&S                                                | ESCS 30                 | 100375     | May 06, 2015    | May 05, 2016     |
| Line-Impedance<br>Stabilization Network<br>(for EUT)<br>SCHWARZBECK | NSLK-8127               | 8127-522   | Sep. 01, 2015   | Aug. 31, 2016    |
| Line-Impedance<br>Stabilization Network<br>(for Peripheral )<br>R&S | ENV216                  | 100072     | June 11, 2015   | June 10, 2016    |
| RF Cable                                                            | 5D-FB                   | COCCAB-001 | Mar. 09, 2015   | Mar. 08, 2016    |
| 50 ohms Terminator                                                  | N/A                     | EMC-03     | Sep. 23, 2015   | Sep. 22, 2016    |
| 50 ohms Terminator                                                  | N/A                     | EMC-02     | Oct. 01, 2015   | Sep. 30, 2016    |
| Software<br>BVADT                                                   | BVADT_Cond_<br>V7.3.7.3 | NA         | NA              | NA               |

#### Note:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Shielded Room No. C.
3. The VCCI Con C Registration No. is C-3611.
4. Tested Date: Dec. 15, 2015 to Mar. 11, 2016

#### 4.2.3 Test Procedure

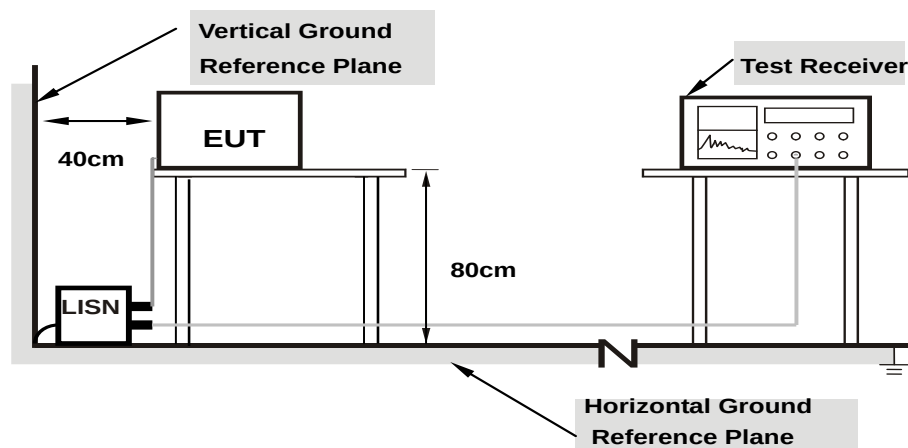
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

**NOTE:** All modes of operation were investigated and the worst-case emissions are reported.

#### 4.2.4 Deviation from Test Standard

No deviation.

#### 4.2.5 Test Setup



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

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

#### 4.2.6 EUT Operating Condition

Same as 4.1.6.

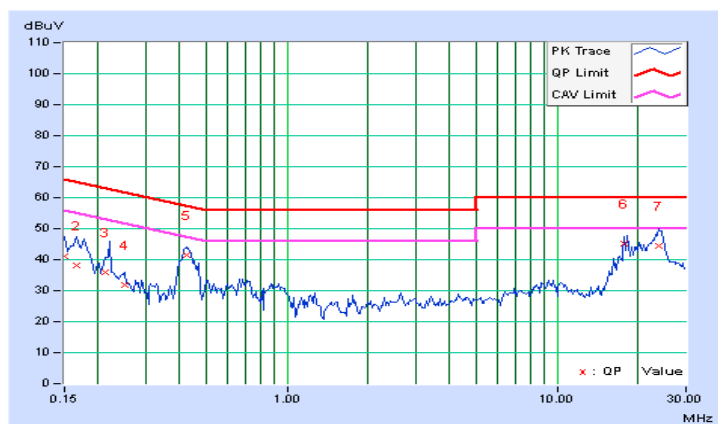
#### 4.2.7 Test Results (Mode 1)

| Phase | Line (L) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|----------|-------------------|--------------------------------|
|-------|----------|-------------------|--------------------------------|

| Phase Of Power : Line (L) |                 |                        |                      |       |                       |       |              |       |             |        |
|---------------------------|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| No                        | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|                           |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1                         | 0.15000         | 10.26                  | 30.95                | 18.14 | 41.21                 | 28.40 | 66.00        | 56.00 | -24.79      | -27.60 |
| 2                         | 0.16562         | 10.25                  | 27.75                | 7.91  | 38.00                 | 18.16 | 65.18        | 55.18 | -27.18      | -37.02 |
| 3                         | 0.21156         | 10.22                  | 25.73                | 17.63 | 35.95                 | 27.85 | 63.14        | 53.14 | -27.19      | -25.29 |
| 4                         | 0.25156         | 10.23                  | 21.45                | 14.56 | 31.68                 | 24.79 | 61.71        | 51.71 | -30.03      | -26.92 |
| 5                         | 0.42734         | 10.24                  | 31.25                | 27.07 | 41.49                 | 37.31 | 57.30        | 47.30 | -15.82      | -10.00 |
| 6                         | 17.69531        | 10.85                  | 34.38                | 32.30 | 45.23                 | 43.15 | 60.00        | 50.00 | -14.77      | -6.85  |
| 7                         | 23.89453        | 10.97                  | 33.61                | 28.84 | 44.58                 | 39.81 | 60.00        | 50.00 | -15.42      | -10.19 |

#### Remarks:

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

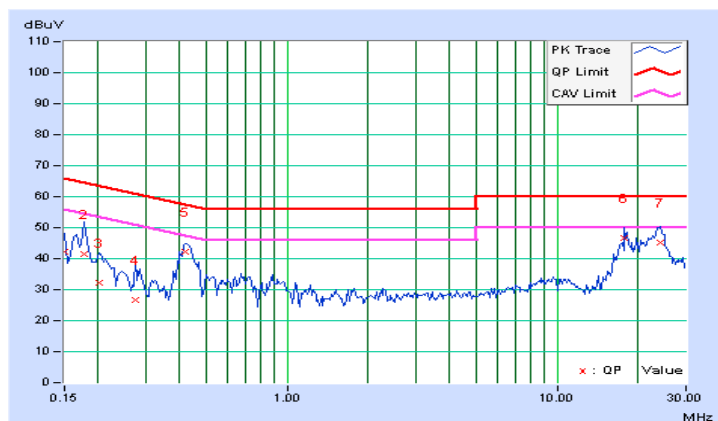


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| Phase Of Power : Neutral (N) |                 |                        |                      |       |                       |       |              |       |             |        |
|------------------------------|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| No                           | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|                              |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1                            | 0.15000         | 10.24                  | 31.99                | 19.43 | 42.23                 | 29.67 | 66.00        | 56.00 | -23.77      | -26.33 |
| 2                            | 0.17734         | 10.22                  | 31.38                | 23.02 | 41.60                 | 33.24 | 64.61        | 54.61 | -23.01      | -21.37 |
| 3                            | 0.20078         | 10.20                  | 22.08                | 4.70  | 32.28                 | 14.90 | 63.58        | 53.58 | -31.30      | -38.68 |
| 4                            | 0.27500         | 10.21                  | 16.54                | 3.90  | 26.75                 | 14.11 | 60.97        | 50.97 | -34.22      | -36.86 |
| 5                            | 0.41953         | 10.22                  | 31.82                | 24.69 | 42.04                 | 34.91 | 57.46        | 47.46 | -15.42      | -12.55 |
| 6                            | 17.69466        | 10.88                  | 35.70                | 33.78 | 46.58                 | 44.66 | 60.00        | 50.00 | -13.42      | -5.34  |
| 7                            | 24.23047        | 10.99                  | 34.35                | 29.72 | 45.34                 | 40.71 | 60.00        | 50.00 | -14.66      | -9.29  |

**Remarks:**

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



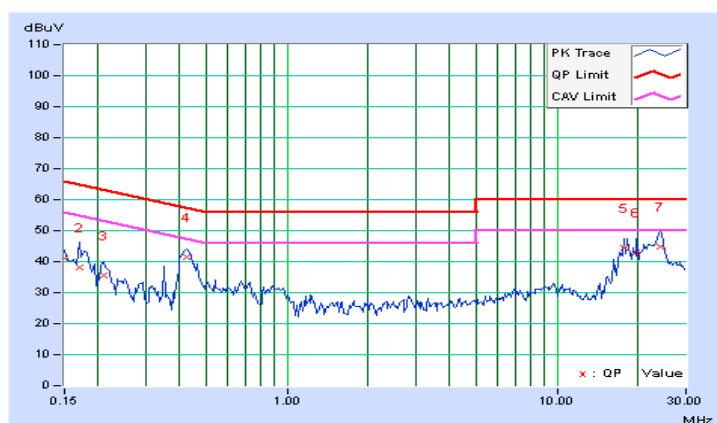
#### 4.2.8 Test Results (Mode 2)

| Phase | Line (L) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|----------|-------------------|--------------------------------|
|-------|----------|-------------------|--------------------------------|

| Phase Of Power : Line (L) |                 |                        |                      |       |                       |       |              |       |             |        |
|---------------------------|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| No                        | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|                           |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1                         | 0.15000         | 10.26                  | 30.71                | 17.14 | 40.97                 | 27.40 | 66.00        | 56.00 | -25.03      | -28.60 |
| 2                         | 0.16953         | 10.24                  | 27.77                | 11.57 | 38.01                 | 21.81 | 64.98        | 54.98 | -26.97      | -33.17 |
| 3                         | 0.20859         | 10.22                  | 25.17                | 14.00 | 35.39                 | 24.22 | 63.26        | 53.26 | -27.87      | -29.04 |
| 4                         | 0.42344         | 10.24                  | 31.36                | 26.19 | 41.60                 | 36.43 | 57.38        | 47.38 | -15.78      | -10.95 |
| 5                         | 17.69141        | 10.85                  | 33.53                | 32.03 | 44.38                 | 42.88 | 60.00        | 50.00 | -15.62      | -7.12  |
| 6                         | 19.71094        | 10.91                  | 31.99                | 29.63 | 42.90                 | 40.54 | 60.00        | 50.00 | -17.10      | -9.46  |
| 7                         | 24.14063        | 10.97                  | 33.66                | 28.85 | 44.63                 | 39.82 | 60.00        | 50.00 | -15.37      | -10.18 |

#### Remarks:

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



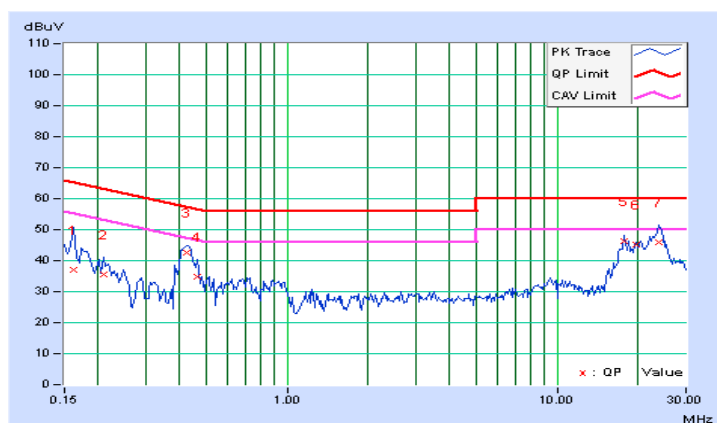


|       |             |                   |                                   |
|-------|-------------|-------------------|-----------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) /<br>Average (AV) |
|-------|-------------|-------------------|-----------------------------------|

| Phase Of Power : Neutral (N) |                    |                              |                         |       |                          |       |                 |       |                |        |
|------------------------------|--------------------|------------------------------|-------------------------|-------|--------------------------|-------|-----------------|-------|----------------|--------|
| No                           | Frequency<br>(MHz) | Correction<br>Factor<br>(dB) | Reading Value<br>(dBuV) |       | Emission Level<br>(dBuV) |       | Limit<br>(dBuV) |       | Margin<br>(dB) |        |
|                              |                    |                              | Q.P.                    | AV.   | Q.P.                     | AV.   | Q.P.            | AV.   | Q.P.           | AV.    |
| 1                            | 0.16172            | 10.23                        | 26.85                   | 7.81  | 37.08                    | 18.04 | 65.38           | 55.38 | -28.29         | -37.33 |
| 2                            | 0.20859            | 10.20                        | 25.45                   | 15.57 | 35.65                    | 25.77 | 63.26           | 53.26 | -27.61         | -27.49 |
| 3                            | 0.42344            | 10.22                        | 32.44                   | 27.41 | 42.66                    | 37.63 | 57.38           | 47.38 | -14.72         | -9.75  |
| 4                            | 0.46250            | 10.21                        | 24.56                   | 19.24 | 34.77                    | 29.45 | 56.65           | 46.65 | -21.87         | -17.19 |
| 5                            | 17.69141           | 10.88                        | 35.38                   | 33.84 | 46.26                    | 44.72 | 60.00           | 50.00 | -13.74         | -5.28  |
| 6                            | 19.70916           | 10.94                        | 34.22                   | 31.99 | 45.16                    | 42.93 | 60.00           | 50.00 | -14.84         | -7.07  |
| 7                            | 23.87891           | 10.98                        | 34.98                   | 30.09 | 45.96                    | 41.07 | 60.00           | 50.00 | -14.04         | -8.93  |

**Remarks:**

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



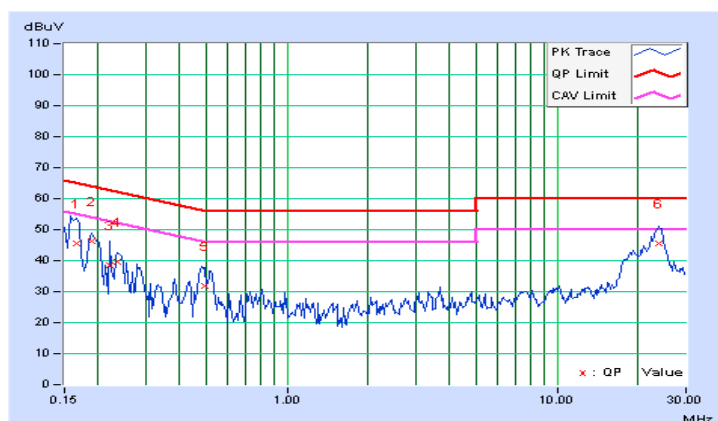
#### 4.2.9 Test Results (Mode 3)

| Phase | Line (L) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|----------|-------------------|--------------------------------|
|-------|----------|-------------------|--------------------------------|

| Phase Of Power : Line (L) |                 |                        |                      |       |                       |       |              |       |             |        |
|---------------------------|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| No                        | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|                           |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1                         | 0.16562         | 10.25                  | 35.20                | 10.79 | 45.45                 | 21.04 | 65.18        | 55.18 | -19.73      | -34.14 |
| 2                         | 0.18906         | 10.23                  | 35.97                | 26.58 | 46.20                 | 36.81 | 64.08        | 54.08 | -17.88      | -17.27 |
| 3                         | 0.22031         | 10.22                  | 28.44                | 3.06  | 38.66                 | 13.28 | 62.81        | 52.81 | -24.15      | -39.53 |
| 4                         | 0.23594         | 10.22                  | 29.35                | 19.08 | 39.57                 | 29.30 | 62.24        | 52.24 | -22.66      | -22.93 |
| 5                         | 0.49766         | 10.23                  | 21.53                | 7.99  | 31.76                 | 18.22 | 56.04        | 46.04 | -24.28      | -27.82 |
| 6                         | 23.86328        | 10.97                  | 34.50                | 29.65 | 45.47                 | 40.62 | 60.00        | 50.00 | -14.53      | -9.38  |

#### Remarks:

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

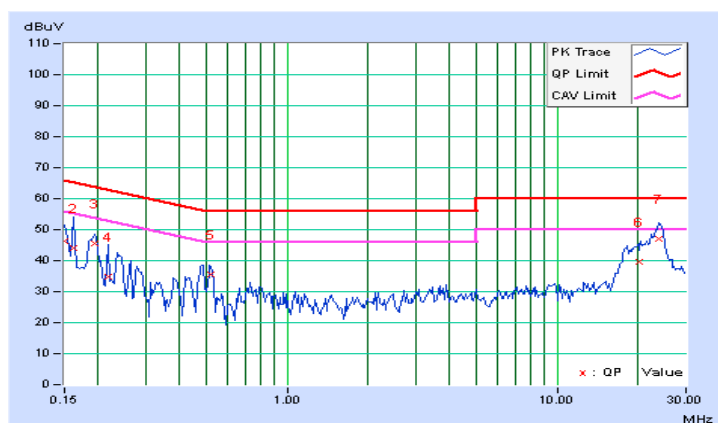


|       |             |                   |                                   |
|-------|-------------|-------------------|-----------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) /<br>Average (AV) |
|-------|-------------|-------------------|-----------------------------------|

| Phase Of Power : Neutral (N) |                    |                              |                         |       |                          |       |                 |       |                |        |
|------------------------------|--------------------|------------------------------|-------------------------|-------|--------------------------|-------|-----------------|-------|----------------|--------|
| No                           | Frequency<br>(MHz) | Correction<br>Factor<br>(dB) | Reading Value<br>(dBuV) |       | Emission Level<br>(dBuV) |       | Limit<br>(dBuV) |       | Margin<br>(dB) |        |
|                              |                    |                              | Q.P.                    | AV.   | Q.P.                     | AV.   | Q.P.            | AV.   | Q.P.           | AV.    |
| 1                            | 0.15000            | 10.24                        | 35.92                   | 21.83 | 46.16                    | 32.07 | 66.00           | 56.00 | -19.84         | -23.93 |
| 2                            | 0.16172            | 10.23                        | 33.75                   | 9.89  | 43.98                    | 20.12 | 65.38           | 55.38 | -21.39         | -35.25 |
| 3                            | 0.19297            | 10.21                        | 35.53                   | 26.70 | 45.74                    | 36.91 | 63.91           | 53.91 | -18.17         | -17.00 |
| 4                            | 0.21641            | 10.20                        | 24.79                   | 2.28  | 34.99                    | 12.48 | 62.96           | 52.96 | -27.96         | -40.47 |
| 5                            | 0.52109            | 10.21                        | 25.49                   | 22.61 | 35.70                    | 32.82 | 56.00           | 46.00 | -20.30         | -13.18 |
| 6                            | 20.13281           | 10.95                        | 28.76                   | 23.94 | 39.71                    | 34.89 | 60.00           | 50.00 | -20.29         | -15.11 |
| 7                            | 23.91016           | 10.99                        | 36.02                   | 31.19 | 47.01                    | 42.18 | 60.00           | 50.00 | -12.99         | -7.82  |

**Remarks:**

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



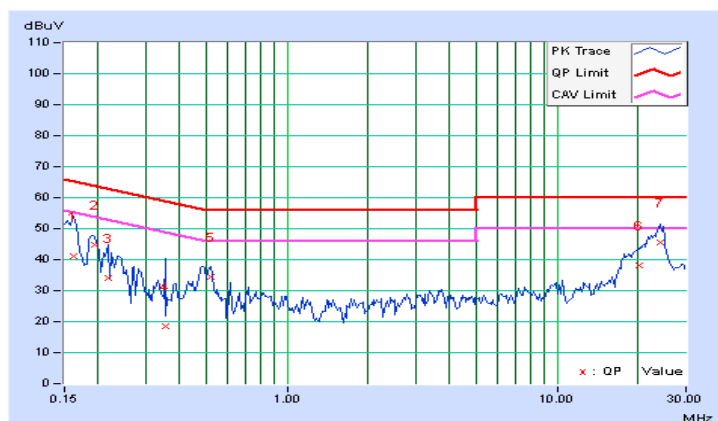
#### 4.2.10 Test Results (Mode 4)

| Phase | Line (L) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|----------|-------------------|--------------------------------|
|-------|----------|-------------------|--------------------------------|

| Phase Of Power : Line (L) |                 |                        |                      |       |                       |       |              |       |             |        |
|---------------------------|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| No                        | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|                           |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1                         | 0.16172         | 10.25                  | 30.84                | 8.77  | 41.09                 | 19.02 | 65.38        | 55.38 | -24.28      | -36.35 |
| 2                         | 0.19297         | 10.23                  | 34.45                | 25.58 | 44.68                 | 35.81 | 63.91        | 53.91 | -19.23      | -18.10 |
| 3                         | 0.21641         | 10.22                  | 23.86                | 1.30  | 34.08                 | 11.52 | 62.96        | 52.96 | -28.87      | -41.43 |
| 4                         | 0.35313         | 10.24                  | 8.35                 | -3.12 | 18.59                 | 7.12  | 58.89        | 48.89 | -40.30      | -41.77 |
| 5                         | 0.52109         | 10.23                  | 24.33                | 21.26 | 34.56                 | 31.49 | 56.00        | 46.00 | -21.44      | -14.51 |
| 6                         | 20.15234        | 10.92                  | 27.21                | 22.44 | 38.13                 | 33.36 | 60.00        | 50.00 | -21.87      | -16.64 |
| 7                         | 24.22266        | 10.97                  | 34.69                | 29.96 | 45.66                 | 40.93 | 60.00        | 50.00 | -14.34      | -9.07  |

#### Remarks:

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

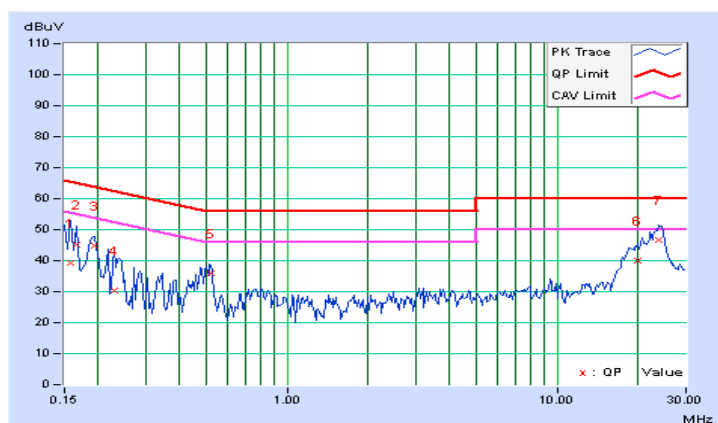


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| Phase Of Power : Neutral (N) |                 |                        |                      |       |                       |       |              |       |             |        |
|------------------------------|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| No                           | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|                              |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1                            | 0.15781         | 10.23                  | 28.94                | 8.55  | 39.17                 | 18.78 | 65.58        | 55.58 | -26.40      | -36.79 |
| 2                            | 0.16562         | 10.23                  | 34.91                | 8.85  | 45.14                 | 19.08 | 65.18        | 55.18 | -20.04      | -36.10 |
| 3                            | 0.19297         | 10.21                  | 34.63                | 26.28 | 44.84                 | 36.49 | 63.91        | 53.91 | -19.07      | -17.42 |
| 4                            | 0.22812         | 10.20                  | 20.05                | 5.92  | 30.25                 | 16.12 | 62.52        | 52.52 | -32.27      | -36.40 |
| 5                            | 0.52109         | 10.21                  | 25.86                | 23.06 | 36.07                 | 33.27 | 56.00        | 46.00 | -19.93      | -12.73 |
| 6                            | 19.92969        | 10.95                  | 28.96                | 23.97 | 39.91                 | 34.92 | 60.00        | 50.00 | -20.09      | -15.08 |
| 7                            | 23.68359        | 10.98                  | 35.65                | 30.86 | 46.63                 | 41.84 | 60.00        | 50.00 | -13.37      | -8.16  |

**Remarks:**

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



### 4.3 Transmit Power Measurement

#### 4.3.1 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       | $\sqrt{\quad}$ |                                   | 250mW (24 dBm) or 11 dBm+10 log B*                                                                                          |
| U-NII-2C       | $\sqrt{\quad}$ |                                   | 250mW (24 dBm) or 11 dBm+10 log B*                                                                                          |
| U-NII-3        | $\sqrt{\quad}$ |                                   | 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  $N_{ANT}$ ;

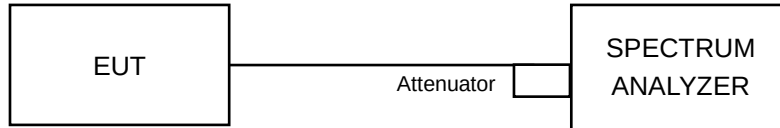
Array Gain =  $5 \log(N_{ANT}/N_{SS})$  dB or 3 dB, whichever is less for 20-MHz channel widths with  $N_{ANT} \geq 5$ .

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

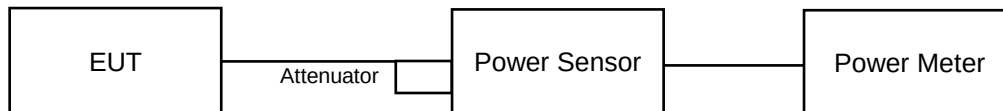
#### 4.3.2 Test Setup

##### FOR POWER OUTPUT MEASUREMENT

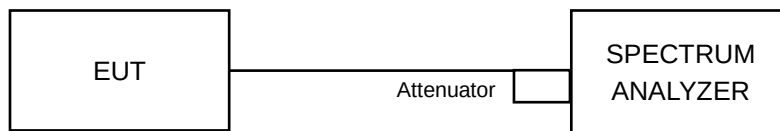
For channel straddling 5725MHz:



For other channels:



##### FOR 26dB OCCUPIED BANDWIDTH



#### 4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

#### 4.3.4 Test Procedure

##### For POWER OUTPUT MEASUREMENT:

##### For channel straddling 5725MHz:

Follow FCC KDB 789033 UNII test procedure:

##### 802.11ac (VHT80)

###### Method SA-2

1. Set span to encompass the emission bandwidth (EBW) of the signal.
2. Set RBW = 1MHz.
3. Set the VBW  $\geq 3 \times$  RBW.
4. Number of points in sweep  $\geq 2 \times$  Span / RBW.
5. Sweep time = auto.
6. Detector = RMS.
7. Trace average at least 100 traces in power averaging mode
8. Compute power by integrating the spectrum across the 26 dB EBW of the signal.
9. Duty factor need added to measured value (duty cycle < 98 percent).

##### Other Modulation mode

###### Method SA-1

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1MHz.
3. Set the VBW  $\geq 3 \times$  RBW.
4. Number of points in sweep  $\geq 2 \times$  Span / RBW.
5. Sweep time = auto.
6. Set trigger to free run (duty cycle  $\geq 98$  percent) ; Set video trigger (duty cycle < 98 percent)
7. Detector = RMS.
8. Trace average at least 100 traces in power averaging mode
9. Compute power by integrating the spectrum across the 26 dB EBW of the signal.

##### For other channels:

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%.

#### 4.3.5 Deviation from Test Standard

No deviation.

#### 4.3.6 EUT Operating Condition

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



#### 4.3.7 Test Result (Mode 1)

##### POWER OUTPUT:

3TX

CDD Mode:

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 | Chain 2 |                        |                      |             |             |
| 52                    | 5260                 | 15.47               | 15.32   | 14.86   | 99.898                 | 20.00                | 24          | Pass        |
| 60                    | 5300                 | 15.53               | 15.30   | 14.83   | 100.02                 | 20.00                | 24          | Pass        |
| 64                    | 5320                 | 15.52               | 15.26   | 14.79   | 99.349                 | 19.97                | 24          | Pass        |
| 100                   | 5500                 | 15.16               | 14.91   | 15.21   | 96.973                 | 19.87                | 24          | Pass        |
| 116                   | 5580                 | 15.21               | 14.88   | 15.01   | 95.646                 | 19.81                | 24          | Pass        |
| 140                   | 5700                 | 15.21               | 14.91   | 15.21   | 97.352                 | 19.88                | 24          | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 10.82               | 11.81   | 11.52   | 41.44                  | 16.17                | 22.85       | Pass        |
| 144 (UNII-3<br>Band)  | 5720                 | 4.73                | 5.12    | 4.85    | 9.278                  | 9.67                 | 30          | Pass        |

##### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 52                 | 5260            | 20.66                 | 20.97   | 20.42   |
| 60                 | 5300            | 20.40                 | 21.20   | 20.45   |
| 64                 | 5320            | 20.54                 | 20.31   | 20.39   |
| 100                | 5500            | 20.54                 | 20.42   | 20.40   |
| 116                | 5580            | 20.49                 | 20.30   | 20.26   |
| 140                | 5700            | 20.35                 | 20.38   | 20.55   |
| 144 (UNII-2C Band) | 5720            | 15.44                 | 15.34   | 15.35   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 20.42       | 24.1 > 24                        |
| 60                                                  | 5300       | 20.40       | 24.09 > 24                       |
| 64                                                  | 5320       | 20.31       | 24.07 > 24                       |
| 100                                                 | 5500       | 20.40       | 24.09 > 24                       |
| 116                                                 | 5580       | 20.26       | 24.06 > 24                       |
| 140                                                 | 5700       | 20.35       | 24.08 > 24                       |
| 144 (UNII-2C Band)                                  | 5720       | 15.34       | 22.85 < 24                       |

## 802.11ac (VHT20)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 | Chain 2 |                  |                   |             |             |
| 52                 | 5260              | 15.51               | 15.20   | 14.67   | 97.985           | 19.91             | 24          | Pass        |
| 60                 | 5300              | 15.56               | 15.18   | 14.62   | 97.909           | 19.91             | 24          | Pass        |
| 64                 | 5320              | 15.58               | 15.17   | 14.71   | 98.606           | 19.94             | 24          | Pass        |
| 100                | 5500              | 15.21               | 14.96   | 15.17   | 97.407           | 19.89             | 24          | Pass        |
| 116                | 5580              | 15.14               | 15.01   | 15.16   | 97.165           | 19.88             | 24          | Pass        |
| 140                | 5700              | 15.17               | 14.92   | 15.06   | 95.994           | 19.82             | 24          | Pass        |
| 144 (UNII-2C Band) | 5720              | 10.98               | 11.58   | 11.28   | 40.347           | 16.06             | 22.88       | Pass        |
| 144 (UNII-3 Band)  | 5720              | 4.90                | 5.49    | 5.21    | 9.949            | 9.98              | 30          | Pass        |

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 52                 | 5260            | 21.09                 | 21.63   | 21.65   |
| 60                 | 5300            | 20.67                 | 20.76   | 21.79   |
| 64                 | 5320            | 21.02                 | 20.46   | 21.29   |
| 100                | 5500            | 20.77                 | 20.56   | 20.63   |
| 116                | 5580            | 20.93                 | 20.57   | 20.86   |
| 140                | 5700            | 20.80                 | 20.56   | 21.37   |
| 144 (UNII-2C Band) | 5720            | 15.42                 | 15.57   | 15.47   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 21.09       | 24.24 > 24                       |
| 60                                                  | 5300       | 20.67       | 24.15 > 24                       |
| 64                                                  | 5320       | 20.46       | 24.1 > 24                        |
| 100                                                 | 5500       | 20.56       | 24.13 > 24                       |
| 116                                                 | 5580       | 20.57       | 24.13 > 24                       |
| 140                                                 | 5700       | 20.56       | 24.13 > 24                       |
| 144 (UNII-2C Band)                                  | 5720       | 15.42       | 22.88 < 24                       |

## 802.11ac (VHT40)

### OUTPUT POWER:

| 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 | Chain 2 |                        |                      |             |             |
| 54                    | 5270                 | 18.67               | 18.11   | 17.85   | 199.289                | 22.99                | 24          | Pass        |
| 62                    | 5310                 | 12.50               | 11.96   | 11.43   | 47.387                 | 16.76                | 24          | Pass        |
| 102                   | 5510                 | 12.46               | 12.69   | 12.52   | 54.063                 | 17.33                | 24          | Pass        |
| 110                   | 5550                 | 18.27               | 18.17   | 18.09   | 197.175                | 22.95                | 24          | Pass        |
| 134                   | 5670                 | 17.36               | 17.15   | 17.14   | 158.091                | 21.99                | 24          | Pass        |
| 142 (UNII-2C<br>Band) | 5710                 | 14.28               | 14.81   | 14.46   | 84.986                 | 19.29                | 24          | Pass        |
| 142 (UNII-3<br>Band)  | 5710                 | 3.64                | 4.27    | 3.87    | 7.423                  | 8.71                 | 30          | Pass        |

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 54                 | 5270            | 92.64                 | 81.21   | 74.22   |
| 62                 | 5310            | 41.69                 | 41.13   | 41.02   |
| 102                | 5510            | 41.65                 | 41.08   | 40.88   |
| 110                | 5550            | 48.60                 | 47.32   | 51.17   |
| 134                | 5670            | 76.27                 | 76.73   | 73.75   |
| 142 (UNII-2C Band) | 5710            | 49.58                 | 51.16   | 51.20   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                     |
|-----------------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 54                                                  | 5270       | 74.22       | 29.7 > 24                           |
| 62                                                  | 5310       | 41.02       | 27.12 > 24                          |
| 102                                                 | 5510       | 40.88       | 27.11 > 24                          |
| 110                                                 | 5550       | 47.32       | 27.75 > 24                          |
| 134                                                 | 5670       | 73.75       | 29.67 > 24                          |
| 142 (UNII-2C Band)                                  | 5710       | 49.58       | 27.95 > 24                          |

# 802.11ac (VHT80)

## OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 | Chain 2 |                  |                   |             |             |
| 58                 | 5290              | 12.01               | 11.61   | 11.31   | 43.894           | 16.42             | 24          | Pass        |
| 106                | 5530              | 11.96               | 11.95   | 11.98   | 47.148           | 16.73             | 24          | Pass        |
| 122                | 5610              | 17.49               | 17.16   | 17.56   | 165.121          | 22.18             | 24          | Pass        |
| 138 (UNII-2C Band) | 5690              | 15.32               | 15.85   | 15.56   | 112.995          | 20.53             | 24          | Pass        |
| 138 (UNII-3 Band)  | 5690              | 1.16                | 1.79    | 1.53    | 4.415            | 6.45              | 30          | Pass        |

## 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 58                 | 5290            | 83.15                 | 82.67   | 82.32   |
| 106                | 5530            | 83.02                 | 83.03   | 82.43   |
| 122                | 5610            | 102.51                | 113.09  | 118.11  |
| 138 (UNII-2C Band) | 5690            | 105.46                | 114.42  | 113.82  |

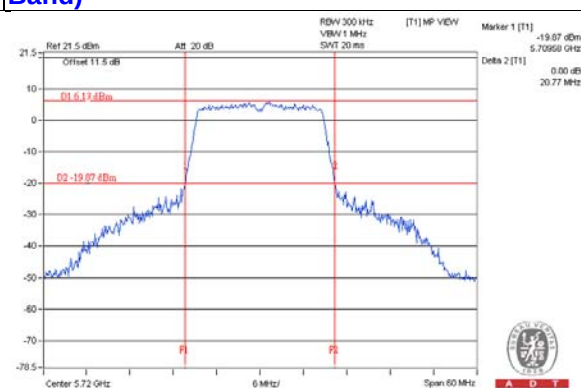
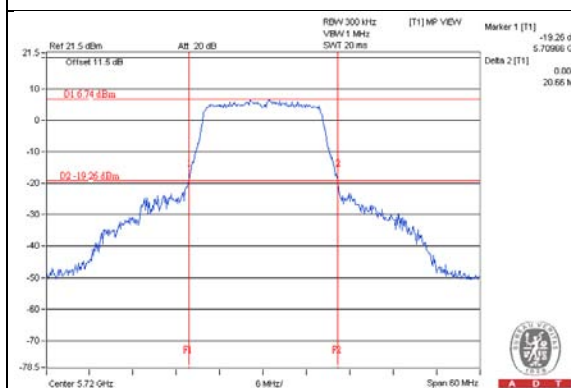
**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 58                                                  | 5290       | 82.32       | 30.15 > 24                       |
| 106                                                 | 5530       | 82.43       | 30.16 > 24                       |
| 122                                                 | 5610       | 102.51      | 31.01 > 24                       |
| 138 (UNII-2C Band)                                  | 5690       | 105.46      | 31.23 > 24                       |

## SPECTRUM PLOT OF WORST VALUE

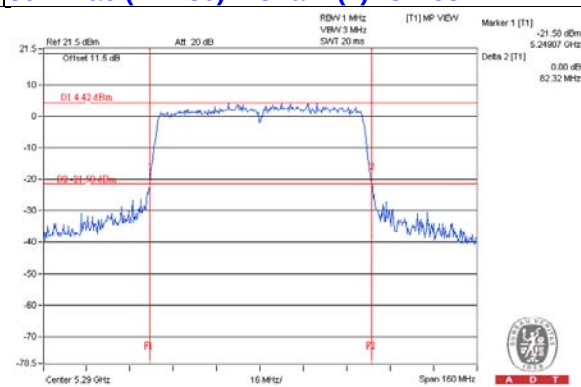
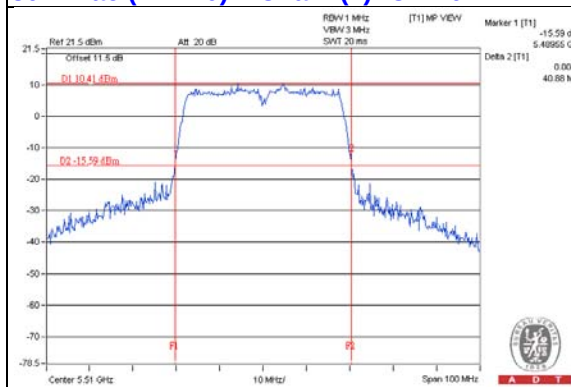
802.11a – Chain (1): CH 144 (UNII-2C Band)

802.11ac (VHT20) – Chain (0): CH 144 (UNII-2C Band)



802.11ac (VHT40) – Chain (2): CH 102

802.11ac (VHT80) – Chain (2): CH 58



### NOTE:

1. For CH144 (UNII-2C Band) = 5725 MHz - Marker 1

**TxBF Mode:**

802.11ac (VHT20)

**OUTPUT POWER:**

| Chan.              | Chan. Freq.<br>(MHz) | Average Power (dBm) |         |         | Total<br>Power<br>(mW) | Total<br>Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|--------------------|----------------------|---------------------|---------|---------|------------------------|-------------------------|-------------|-------------|
|                    |                      | Chain 0             | Chain 1 | Chain 2 |                        |                         |             |             |
| 52                 | 5260                 | 15.51               | 15.20   | 14.67   | 97.985                 | 19.91                   | 20.01       | Pass        |
| 60                 | 5300                 | 15.56               | 15.18   | 14.62   | 97.909                 | 19.91                   | 20.01       | Pass        |
| 64                 | 5320                 | 15.58               | 15.17   | 14.71   | 98.606                 | 19.94                   | 20.01       | Pass        |
| 100                | 5500                 | 15.21               | 14.96   | 15.17   | 97.407                 | 19.89                   | 19.97       | Pass        |
| 116                | 5580                 | 15.14               | 15.01   | 15.16   | 97.165                 | 19.88                   | 19.97       | Pass        |
| 140                | 5700                 | 15.17               | 14.92   | 15.06   | 95.994                 | 19.82                   | 19.97       | Pass        |
| 144 (UNII-2C Band) | 5720                 | 10.98               | 11.58   | 11.28   | 40.347                 | 16.06                   | 18.85       | Pass        |
| 144 (UNII-3 Band)  | 5720                 | 4.90                | 5.49    | 5.21    | 9.949                  | 9.98                    | 25.86       | Pass        |

- NOTE:** 1. For UNII-2A Band: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.99\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(9.99-6)"
2. For UNII-2C Band: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.03\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(10.03-6)"
3. For UNII-3 Band: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.14\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(10.14-6) = 25.86\text{dBm}$ .

**26dB BANDWIDTH:**

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 52                 | 5260            | 21.09                 | 21.63   | 21.65   |
| 60                 | 5300            | 20.67                 | 20.76   | 21.79   |
| 64                 | 5320            | 21.02                 | 20.46   | 21.29   |
| 100                | 5500            | 20.77                 | 20.56   | 20.63   |
| 116                | 5580            | 20.93                 | 20.57   | 20.86   |
| 140                | 5700            | 20.80                 | 20.56   | 21.37   |
| 144 (UNII-2C Band) | 5720            | 15.42                 | 15.57   | 15.47   |

**Note:** For FCC output power limitation is determined based on 26dB bandwidth.

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 21.09       | 24.24 > 24                       |
| 60                                                  | 5300       | 20.67       | 24.15 > 24                       |
| 64                                                  | 5320       | 20.46       | 24.1 > 24                        |
| 100                                                 | 5500       | 20.56       | 24.13 > 24                       |
| 116                                                 | 5580       | 20.57       | 24.13 > 24                       |
| 140                                                 | 5700       | 20.56       | 24.13 > 24                       |
| 144 (UNII-2C Band)                                  | 5720       | 15.42       | 22.88 < 24                       |



## 802.11ac (VHT40)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 | Chain 2 |                  |                   |             |             |
| 54                 | 5270              | 15.61               | 15.09   | 14.77   | 98.669           | 19.94             | 20.01       | Pass        |
| 62                 | 5310              | 12.50               | 11.96   | 11.43   | 47.387           | 16.76             | 20.01       | Pass        |
| 102                | 5510              | 12.46               | 12.69   | 12.52   | 54.063           | 17.33             | 19.97       | Pass        |
| 110                | 5550              | 15.19               | 15.11   | 15.02   | 97.24            | 19.88             | 19.97       | Pass        |
| 134                | 5670              | 15.31               | 15.09   | 15.11   | 98.682           | 19.94             | 19.97       | Pass        |
| 142 (UNII-2C Band) | 5710              | 11.40               | 11.43   | 11.32   | 41.256           | 16.15             | 19.97       | Pass        |
| 142 (UNII-3 Band)  | 5710              | 0.76                | 0.86    | 0.68    | 3.579            | 5.54              | 25.86       | Pass        |

- NOTE:** 1. For UNII-2A Band: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.99\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(9.99-6)"
2. For UNII-2C Band: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.03\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(10.03-6)"
3. For UNII-3 Band: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.14\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(10.14-6) = 25.86\text{dBm}$ .

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 54                 | 5270            | 92.64                 | 81.21   | 74.22   |
| 62                 | 5310            | 41.69                 | 41.13   | 41.02   |
| 102                | 5510            | 41.65                 | 41.08   | 40.88   |
| 110                | 5550            | 48.60                 | 47.32   | 51.17   |
| 134                | 5670            | 76.27                 | 76.73   | 73.75   |
| 142 (UNII-2C Band) | 5710            | 49.58                 | 51.16   | 51.20   |

**Note:** For FCC output power limitation is determined based on 26dB bandwidth.

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 54                                                  | 5270       | 74.22       | 29.7 > 24                        |
| 62                                                  | 5310       | 41.02       | 27.12 > 24                       |
| 102                                                 | 5510       | 41.08       | 27.11 > 24                       |
| 110                                                 | 5550       | 47.32       | 27.75 > 24                       |
| 134                                                 | 5670       | 73.75       | 29.67 > 24                       |
| 142 (UNII-2C Band)                                  | 5710       | 49.58       | 27.95 > 24                       |

## 802.11ac (VHT80)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 | Chain 2 |                  |                   |             |             |
| 58                 | 5290              | 12.01               | 11.61   | 11.31   | 43.894           | 16.42             | 20.01       | Pass        |
| 106                | 5530              | 11.96               | 11.95   | 11.98   | 47.148           | 16.73             | 19.97       | Pass        |
| 122                | 5610              | 15.21               | 14.96   | 15.27   | 98.173           | 19.92             | 19.97       | Pass        |
| 138 (UNII-2C Band) | 5690              | 11.24               | 11.24   | 11.26   | 41.627           | 16.19             | 19.97       | Pass        |
| 138 (UNII-3 Band)  | 5690              | -3.07               | -2.93   | -2.98   | 1.5682           | 1.95              | 25.86       | Pass        |

- NOTE:** 1. For UNII-2A Band: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.99\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(9.99-6)"
2. For UNII-2C Band: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.03\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(10.03-6)"
3. For UNII-3 Band: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.14\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(10.14-6) = 25.86\text{dBm}$ .

### 26dB BANDWIDTH:

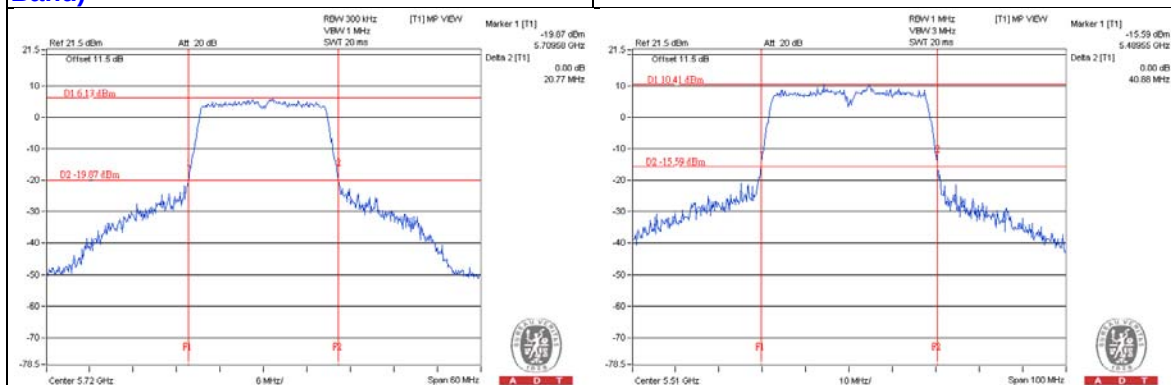
| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 58                 | 5290            | 83.15                 | 82.67   | 82.32   |
| 106                | 5530            | 83.02                 | 83.03   | 82.43   |
| 122                | 5610            | 102.51                | 113.09  | 118.11  |
| 138 (UNII-2C Band) | 5690            | 105.46                | 114.42  | 113.82  |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

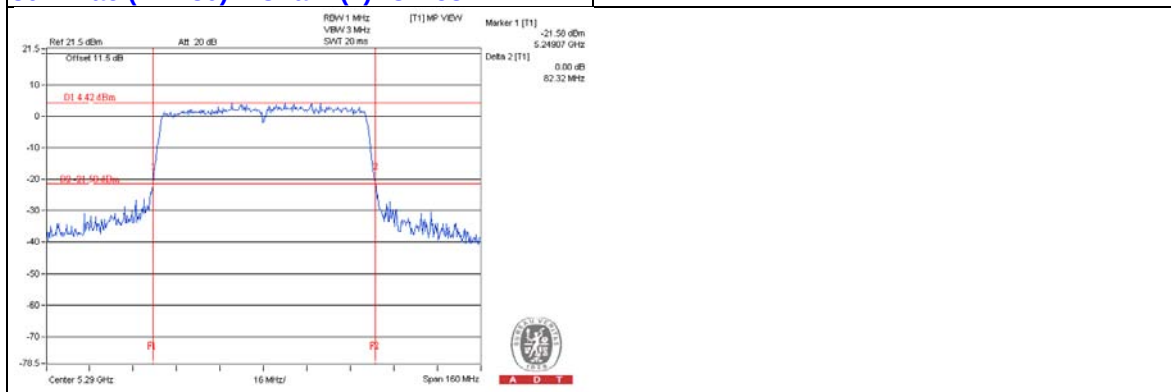
| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 58                                                  | 5290       | 82.32       | 30.15 > 24                       |
| 106                                                 | 5530       | 82.43       | 30.16 > 24                       |
| 122                                                 | 5610       | 102.51      | 31.01 > 24                       |
| 138 (UNII-2C Band)                                  | 5690       | 105.46      | 31.23 > 24                       |

### SPECTRUM PLOT OF WORST VALUE

802.11ac (VHT20) – Chain (0): CH 144 (UNII-2C Band)      802.11ac (VHT40) – Chain (2): CH 102 Band)



802.11ac (VHT80) – Chain (2): CH 58



#### NOTE:

1. For CH144 (UNII-2C Band) = 5725 MHz - Marker 1

2TX  
CDD Mode:  
802.11a

| Chan. | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|       |                      | Chain 1             | Chain 2 |                        |                      |             |             |
| 52    | 5260                 | 17.79               | 17.09   | 111.285                | 20.46                | 24          | Pass        |
| 60    | 5300                 | 17.83               | 17.16   | 112.674                | 20.52                | 24          | Pass        |
| 64    | 5320                 | 17.86               | 17.23   | 113.939                | 20.57                | 24          | Pass        |

26dB BANDWIDTH:

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 1               | Chain 2 |
| 52      | 5260            | 32.81                 | 28.72   |
| 60      | 5300            | 33.00                 | 28.38   |
| 64      | 5320            | 29.57                 | 26.62   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A > |            |             |                                     |
|-------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 52                                        | 5260       | 28.72       | 25.58 > 24                          |
| 60                                        | 5300       | 28.38       | 25.53 > 24                          |
| 64                                        | 5320       | 26.62       | 25.25 > 24                          |

# 802.11ac (VHT20)

## OUTPUT POWER:

| Chan. | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|       |                      | Chain 1             | Chain 2 |                        |                      |             |             |
| 52    | 5260                 | 17.69               | 17.03   | 109.215                | 20.38                | 24          | Pass        |
| 60    | 5300                 | 17.72               | 17.06   | 109.972                | 20.41                | 24          | Pass        |
| 64    | 5320                 | 17.76               | 17.15   | 111.584                | 20.48                | 24          | Pass        |

## 26dB BANDWIDTH:

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 1               | Chain 2 |
| 52      | 5260            | 33.64                 | 28.84   |
| 60      | 5300            | 33.54                 | 26.22   |
| 64      | 5320            | 29.01                 | 26.22   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A > |            |             |                                     |
|-------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 52                                        | 5260       | 28.84       | 25.59 > 24                          |
| 60                                        | 5300       | 26.22       | 25.18 > 24                          |
| 64                                        | 5320       | 26.22       | 25.18 > 24                          |

# 802.11ac (VHT40)

## OUTPUT POWER:

| Chan. | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|       |                      | Chain 1             | Chain 2 |                        |                      |             |             |
| 54    | 5270                 | 20.42               | 19.92   | 208.329                | 23.19                | 24          | Pass        |
| 62    | 5310                 | 13.06               | 12.61   | 38.469                 | 15.85                | 24          | Pass        |

## 26dB BANDWIDTH:

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 1               | Chain 2 |
| 54      | 5270            | 90.54                 | 88.02   |
| 62      | 5310            | 41.02                 | 41.35   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A > |            |             |                                     |
|-------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 54                                        | 5270       | 88.02       | 30.44 > 24                          |
| 62                                        | 5310       | 41.02       | 27.12 > 24                          |

# 802.11ac (VHT80)

## OUTPUT POWER:

| Chan. | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|       |                      | Chain 1             | Chain 2 |                        |                      |             |             |
| 58    | 5290                 | 12.55               | 12.27   | 34.855                 | 15.42                | 24          | Pass        |

## 26dB BANDWIDTH:

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 1               | Chain 2 |
| 58      | 5290            | 82.48                 | 83.30   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

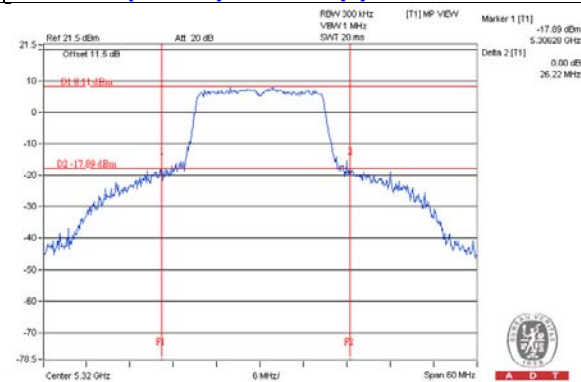
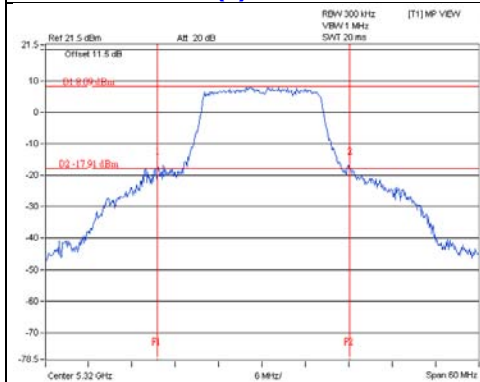
| Power Limit = 11dBm + 10logB < U-NII-2A > |            |             |                                     |
|-------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 58                                        | 5290       | 82.48       | 30.16 > 24                          |



## SPECTRUM PLOT OF WORST VALUE

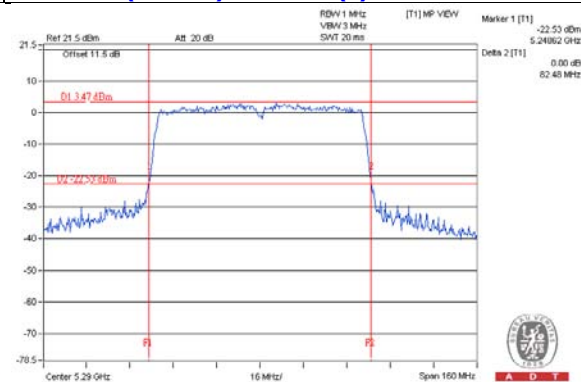
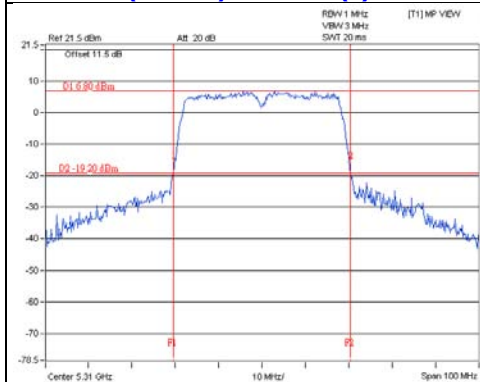
802.11a – Chain (2): CH 64

802.11ac (VHT20) – Chain (2): CH 64



802.11ac (VHT40) – Chain (1): CH 62

802.11ac (VHT80) – Chain (1): CH 58



### 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 2 |                        |                      |             |             |
| 100                   | 5500                 | 18.02               | 17.81   | 123.782                | 20.93                | 24          | Pass        |
| 116                   | 5580                 | 18.77               | 18.51   | 146.294                | 21.65                | 24          | Pass        |
| 140                   | 5700                 | 17.81               | 17.76   | 120.099                | 20.80                | 24          | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 14.89               | 14.41   | 58.438                 | 17.67                | 24          | Pass        |
| 144 (UNII-3<br>Band)  | 5720                 | 8.29                | 7.93    | 12.954                 | 11.12                | 30          | Pass        |

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 2 |
| 100                | 5500            | 29.00                 | 28.32   |
| 116                | 5580            | 30.69                 | 30.66   |
| 140                | 5700            | 29.14                 | 29.48   |
| 144 (UNII-2C Band) | 5720            | 21.67                 | 21.74   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2C > |            |             |                                     |
|-------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 100                                       | 5500       | 28.32       | 25.52 > 24                          |
| 116                                       | 5580       | 30.66       | 25.86 > 24                          |
| 140                                       | 5700       | 29.14       | 25.64 > 24                          |
| 144 (UNII-2C Band)                        | 5720       | 21.67       | 24.35 < 24                          |

# 802.11ac (VHT20)

## OUTPUT POWER:

| Chan.                 | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-----------------------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|                       |                      | Chain 0             | Chain 2 |                        |                      |             |             |
| 100                   | 5500                 | 18.52               | 18.23   | 137.648                | 21.39                | 24          | Pass        |
| 116                   | 5580                 | 18.73               | 18.53   | 145.93                 | 21.64                | 24          | Pass        |
| 140                   | 5700                 | 15.72               | 15.57   | 73.383                 | 18.66                | 24          | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 14.59               | 14.36   | 56.064                 | 17.49                | 24          | Pass        |
| 144 (UNII-3<br>Band)  | 5720                 | 8.64                | 8.37    | 14.182                 | 11.52                | 30          | Pass        |

## 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 2 |
| 100                | 5500            | 34.36                 | 29.96   |
| 116                | 5580            | 35.66                 | 31.49   |
| 140                | 5700            | 21.95                 | 24.72   |
| 144 (UNII-2C Band) | 5720            | 24.36                 | 23.51   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2C > |            |             |                                     |
|-------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 100                                       | 5500       | 29.96       | 25.76 > 24                          |
| 116                                       | 5580       | 31.49       | 25.98 > 24                          |
| 140                                       | 5700       | 21.95       | 24.41 > 24                          |
| 144 (UNII-2C Band)                        | 5720       | 23.51       | 24.71 < 24                          |

# 802.11ac (VHT40)

## OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 2 |                  |                   |             |             |
| 102                | 5510              | 13.46               | 13.36   | 43.859           | 16.42             | 24          | Pass        |
| 110                | 5550              | 20.52               | 20.32   | 220.367          | 23.43             | 24          | Pass        |
| 134                | 5670              | 17.78               | 17.67   | 118.458          | 20.74             | 24          | Pass        |
| 142 (UNII-2C Band) | 5710              | 17.31               | 17.13   | 105.469          | 20.23             | 24          | Pass        |
| 142 (UNII-3 Band)  | 5710              | 6.94                | 6.72    | 9.642            | 9.84              | 30          | Pass        |

## 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 2 |
| 102                | 5510            | 41.51                 | 41.52   |
| 110                | 5550            | 94.97                 | 89.03   |
| 134                | 5670            | 67.26                 | 76.16   |
| 142 (UNII-2C Band) | 5710            | 62.90                 | 63.89   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2C > |            |             |                                  |
|-------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 102                                       | 5510       | 41.51       | 27.18 > 24                       |
| 110                                       | 5550       | 89.03       | 30.49 > 24                       |
| 134                                       | 5670       | 67.26       | 29.27 > 24                       |
| 142 (UNII-2C Band)                        | 5710       | 62.90       | 28.98 > 24                       |

## 802.11ac (VHT80)

### OUTPUT POWER:

| Chan.                 | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-----------------------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|                       |                      | Chain 0             | Chain 2 |                        |                      |             |             |
| 106                   | 5530                 | 12.25               | 12.46   | 34.408                 | 15.37                | 24          | Pass        |
| 122                   | 5610                 | 18.48               | 18.26   | 137.457                | 21.38                | 24          | Pass        |
| 138 (UNII-2C<br>Band) | 5690                 | 16.19               | 16.14   | 86.122                 | 19.35                | 24          | Pass        |
| 138 (UNII-3<br>Band)  | 5690                 | 2.07                | 1.93    | 3.302                  | 5.19                 | 30          | Pass        |

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 2 |
| 106                | 5530            | 82.93                 | 83.03   |
| 122                | 5610            | 135.36                | 125.28  |
| 138 (UNII-2C Band) | 5690            | 115.00                | 115.00  |

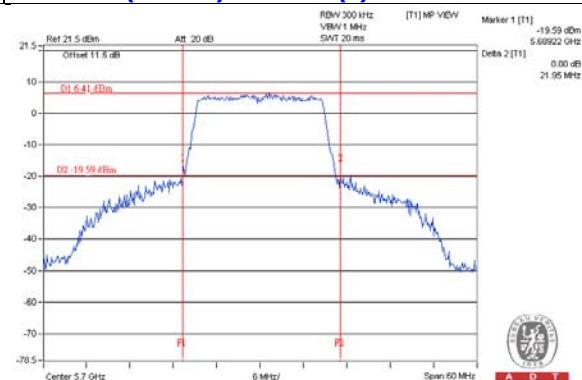
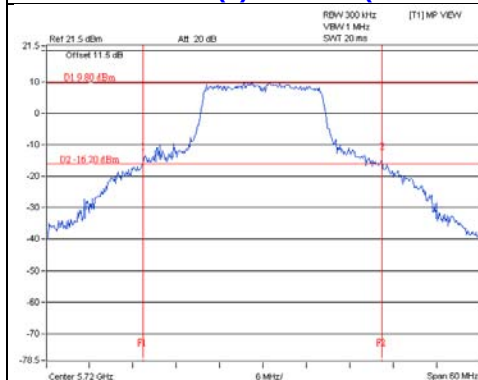
**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2C > |            |             |                                     |
|-------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 106                                       | 5530       | 82.93       | 30.18 > 24                          |
| 122                                       | 5610       | 125.28      | 31.97 > 24                          |
| 138 (UNII-2C Band)                        | 5690       | 115.00      | 31.6 > 24                           |

### SPECTRUM PLOT OF WORST VALUE

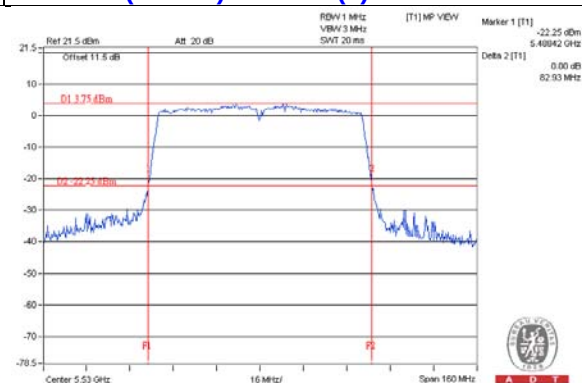
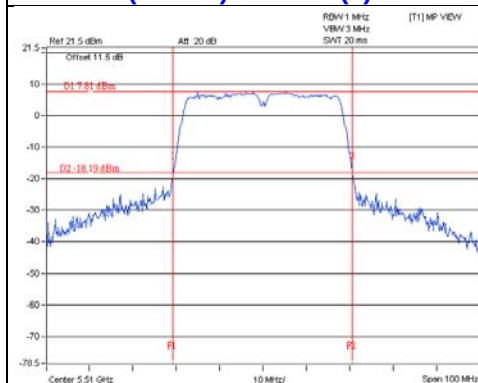
802.11a – Chain (0): CH 144 (UNII-2C Band)

802.11ac (VHT20) – Chain (0): CH 140



802.11ac (VHT40) – Chain (0): CH 102

802.11ac (VHT80) – Chain (0): CH 106



#### NOTE:

1. For CH144 (UNII-2C Band) = 5725 MHz - Marker 1

**TxBF Mode:**

802.11ac (VHT20)

**OUTPUT POWER:**

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|-------|-------------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|       |                   | Chain 1             | Chain 2 |                  |                   |             |             |
| 52    | 5260              | 17.69               | 17.03   | 109.215          | 20.38             | 21.68       | Pass        |
| 60    | 5300              | 17.72               | 17.06   | 109.972          | 20.41             | 21.68       | Pass        |
| 64    | 5320              | 17.76               | 17.15   | 111.584          | 20.48             | 21.68       | Pass        |

**NOTE:**

Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.32-6)"

**26dB BANDWIDTH:**

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 1               | Chain 2 |
| 52      | 5260            | 33.64                 | 28.84   |
| 60      | 5300            | 33.54                 | 26.22   |
| 64      | 5320            | 29.01                 | 26.22   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A > |            |             |                                  |
|-------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                        | 5260       | 28.84       | 25.59 > 24                       |
| 60                                        | 5300       | 26.22       | 25.18 > 24                       |
| 64                                        | 5320       | 26.22       | 25.18 > 24                       |

## 802.11ac (VHT40)

### OUTPUT POWER:

| Chan. | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|       |                      | Chain 1             | Chain 2 |                        |                      |             |             |
| 54    | 5270                 | 18.61               | 18.45   | 142.595                | 21.54                | 21.68       | Pass        |
| 62    | 5310                 | 13.06               | 12.61   | 38.469                 | 15.85                | 21.68       | Pass        |

#### NOTE:

Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.32-6)"

### 26dB BANDWIDTH:

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 1               | Chain 2 |
| 54      | 5270            | 90.54                 | 88.02   |
| 62      | 5310            | 41.02                 | 41.35   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A > |            |             |                                     |
|-------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 54                                        | 5270       | 88.02       | 30.44 > 24                          |
| 62                                        | 5310       | 41.02       | 27.12 > 24                          |



## 802.11ac (VHT80)

### OUTPUT POWER:

| Chan. | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|       |                      | Chain 1             | Chain 2 |                        |                      |             |             |
| 58    | 5290                 | 12.55               | 12.27   | 34.855                 | 15.42                | 21.68       | Pass        |

#### NOTE:

Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.32-6)"

### 26dB BANDWIDTH:

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 1               | Chain 2 |
| 58      | 5290            | 82.48                 | 83.30   |

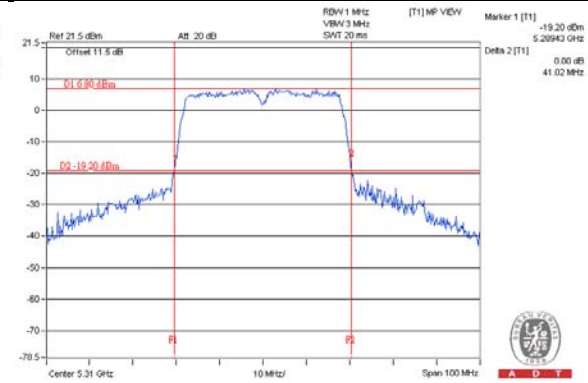
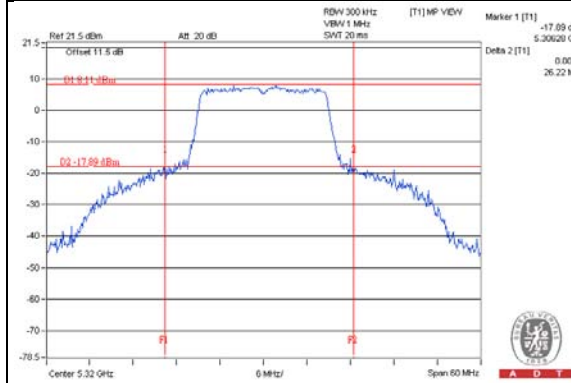
**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = $11\text{dBm} + 10\log B < \text{U-NII-2A} >$ |            |             |                                     |
|-------------------------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                                              | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 58                                                          | 5290       | 82.48       | $30.16 > 24$                        |

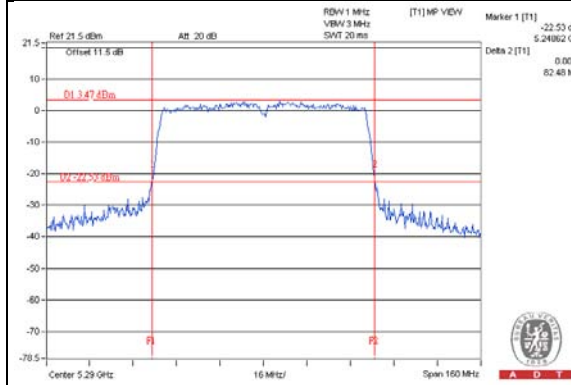
### SPECTRUM PLOT OF WORST VALUE

802.11ac (VHT20) – Chain (2): CH 64

802.11ac (VHT40) – Chain (1): CH 62



802.11ac (VHT80) – Chain (1): CH 58



## 802.11ac (VHT20)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 2 |                  |                   |             |             |
| 100                | 5500              | 18.52               | 18.23   | 137.648          | 21.39             | 21.68       | Pass        |
| 116                | 5580              | 18.73               | 18.53   | 145.93           | 21.64             | 21.68       | Pass        |
| 140                | 5700              | 15.72               | 15.57   | 73.383           | 18.66             | 21.68       | Pass        |
| 144 (UNII-2C Band) | 5720              | 14.59               | 14.36   | 56.064           | 17.49             | 21.68       | Pass        |
| 144 (UNII-3 Band)  | 5720              | 8.64                | 8.37    | 14.182           | 11.52             | 27.60       | Pass        |

#### NOTE:

For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.32-6)"

For U-NII-3: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.4\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(8.4-6) = 27.60\text{dBm}$ .

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 2 |
| 100                | 5500            | 34.36                 | 29.96   |
| 116                | 5580            | 35.66                 | 31.49   |
| 140                | 5700            | 21.95                 | 24.72   |
| 144 (UNII-2C Band) | 5720            | 24.36                 | 23.51   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = $11\text{dBm} + 10\log B < \text{U-NII-2C} >$ |            |             |                                  |
|-------------------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                              | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 100                                                         | 5500       | 29.96       | 25.76 > 24                       |
| 116                                                         | 5580       | 31.49       | 25.98 > 24                       |
| 140                                                         | 5700       | 21.95       | 24.41 > 24                       |
| 144 (UNII-2C Band)                                          | 5720       | 23.51       | 24.71 < 24                       |

## 802.11ac (VHT40)

### OUTPUT POWER:

| Chan.                 | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-----------------------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|                       |                      | Chain 0             | Chain 2 |                        |                      |             |             |
| 102                   | 5510                 | 13.46               | 13.36   | 43.859                 | 16.42                | 21.68       | Pass        |
| 110                   | 5550                 | 18.52               | 18.35   | 139.512                | 21.45                | 21.68       | Pass        |
| 134                   | 5670                 | 17.78               | 17.67   | 118.458                | 20.74                | 21.68       | Pass        |
| 142 (UNII-2C<br>Band) | 5710                 | 13.25               | 13.15   | 41.789                 | 16.21                | 21.68       | Pass        |
| 142 (UNII-3<br>Band)  | 5710                 | 4.24                | 4.05    | 5.196                  | 7.16                 | 27.60       | Pass        |

#### NOTE:

For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.32-6)"

For U-NII-3: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.4\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(8.4-6) = 27.60\text{dBm}$ .

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 2 |
| 102                | 5510            | 41.51                 | 41.52   |
| 110                | 5550            | 94.97                 | 89.03   |
| 134                | 5670            | 67.26                 | 76.16   |
| 142 (UNII-2C Band) | 5710            | 62.90                 | 63.89   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2C > |            |             |                                     |
|-------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 102                                       | 5510       | 41.51       | 27.18 > 24                          |
| 110                                       | 5550       | 89.03       | 30.49 > 24                          |
| 134                                       | 5670       | 67.26       | 29.27 > 24                          |
| 142 (UNII-2C Band)                        | 5710       | 62.90       | 28.98 > 24                          |

## 802.11ac (VHT80)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 2 |                  |                   |             |             |
| 106                | 5530              | 12.25               | 12.46   | 34.408           | 15.37             | 21.68       | Pass        |
| 122                | 5610              | 18.48               | 18.26   | 137.457          | 21.38             | 21.68       | Pass        |
| 138 (UNII-2C Band) | 5690              | 14.91               | 14.86   | 64.138           | 18.07             | 21.68       | Pass        |
| 138 (UNII-3 Band)  | 5690              | 0.80                | 0.71    | 2.478            | 3.94              | 27.60       | Pass        |

#### NOTE:

For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.32-6)"

For U-NII-3: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.4\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(8.4-6) = 27.60\text{dBm}$ .

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 2 |
| 106                | 5530            | 82.93                 | 83.03   |
| 122                | 5610            | 135.36                | 125.28  |
| 138 (UNII-2C Band) | 5690            | 115.00                | 115.00  |

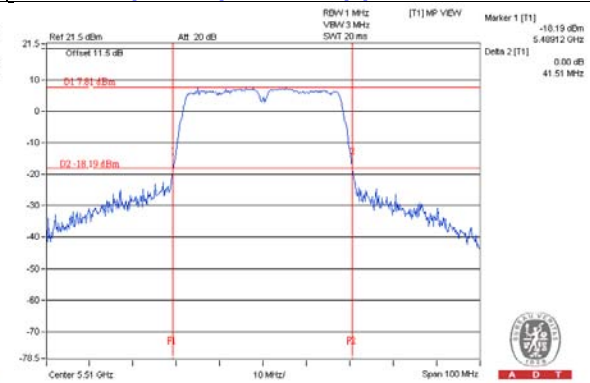
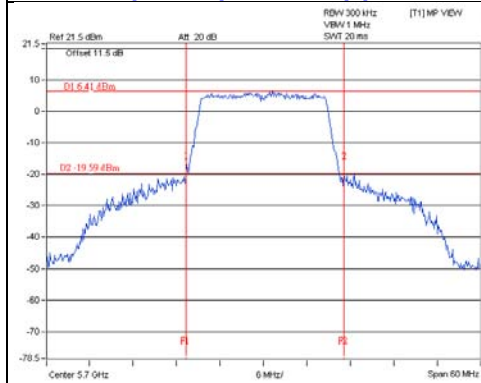
**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2C > |            |             |                                  |
|-------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                            | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 106                                       | 5530       | 82.93       | 30.18 > 24                       |
| 122                                       | 5610       | 125.28      | 31.97 > 24                       |
| 138 (UNII-2C Band)                        | 5690       | 115.00      | 31.6 > 24                        |

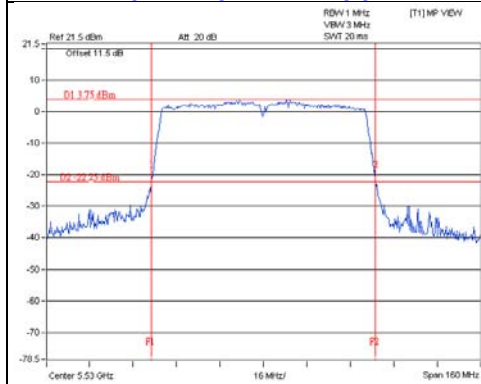
# SPECTRUM PLOT OF WORST VALUE

802.11ac (VHT20) – Chain (0): CH 140

802.11ac (VHT40) – Chain (0): CH 102



802.11ac (VHT80) – Chain (0): CH 106



NOTE:

1TX  
Chain 2  
802.11a

| Chan.              | Chan. Freq.<br>(MHz) | Average<br>Power<br>(mW) | Average<br>Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|--------------------|----------------------|--------------------------|---------------------------|-------------|-------------|
| 52                 | 5260                 | 114.551                  | 20.59                     | 24          | Pass        |
| 60                 | 5300                 | 97.499                   | 19.89                     | 24          | Pass        |
| 64                 | 5320                 | 66.222                   | 18.21                     | 24          | Pass        |
| 100                | 5500                 | 77.804                   | 18.91                     | 24          | Pass        |
| 116                | 5580                 | 104.954                  | 20.21                     | 24          | Pass        |
| 140                | 5700                 | 66.222                   | 18.21                     | 24          | Pass        |
| 144 (UNII-2C Band) | 5720                 | 44.259                   | 16.46                     | 24          | Pass        |
| 144 (UNII-3 Band)  | 5720                 | 11.246                   | 10.51                     | 30          | Pass        |

**26dB BANDWIDTH:**

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |
|--------------------|-----------------|-----------------------|
| 52                 | 5260            | 44.63                 |
| 60                 | 5300            | 38.87                 |
| 64                 | 5320            | 36.25                 |
| 100                | 5500            | 29.93                 |
| 116                | 5580            | 39.41                 |
| 140                | 5700            | 31.74                 |
| 144 (UNII-2C Band) | 5720            | 27.73                 |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                     |
|-----------------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 52                                                  | 5260       | 44.63       | 27.49 > 24                          |
| 60                                                  | 5300       | 38.87       | 26.89 > 24                          |
| 64                                                  | 5320       | 36.25       | 26.59 > 24                          |
| 100                                                 | 5500       | 29.93       | 25.76 > 24                          |
| 116                                                 | 5580       | 39.41       | 26.95 > 24                          |
| 140                                                 | 5700       | 31.74       | 26.01 > 24                          |
| 144 (UNII-2C Band)                                  | 5720       | 27.73       | 25.42 > 24                          |

## 802.11ac (VHT20)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|--------------------|---------------------|-------------|-------------|
| 52                 | 5260              | 90.365             | 19.56               | 24          | Pass        |
| 60                 | 5300              | 76.208             | 18.82               | 24          | Pass        |
| 64                 | 5320              | 56.105             | 17.49               | 24          | Pass        |
| 100                | 5500              | 76.208             | 18.82               | 24          | Pass        |
| 116                | 5580              | 99.77              | 19.99               | 24          | Pass        |
| 140                | 5700              | 39.902             | 16.01               | 24          | Pass        |
| 144 (UNII-2C Band) | 5720              | 42.462             | 16.28               | 24          | Pass        |
| 144 (UNII-3 Band)  | 5720              | 10.765             | 10.32               | 30          | Pass        |

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |
|--------------------|-----------------|-----------------------|
| 52                 | 5260            | 42.43                 |
| 60                 | 5300            | 37.12                 |
| 64                 | 5320            | 27.47                 |
| 100                | 5500            | 30.66                 |
| 116                | 5580            | 37.25                 |
| 140                | 5700            | 22.77                 |
| 144 (UNII-2C Band) | 5720            | 27.63                 |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 42.43       | 27.27 > 24                       |
| 60                                                  | 5300       | 37.12       | 26.69 > 24                       |
| 64                                                  | 5320       | 27.47       | 25.38 > 24                       |
| 100                                                 | 5500       | 30.66       | 25.86 > 24                       |
| 116                                                 | 5580       | 37.25       | 26.71 > 24                       |
| 140                                                 | 5700       | 22.77       | 24.57 > 24                       |
| 144 (UNII-2C Band)                                  | 5720       | 27.63       | 25.41 > 24                       |



## 802.11ac (VHT40)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|--------------------|---------------------|-------------|-------------|
| 54                 | 5270              | 102.565            | 20.11               | 24          | Pass        |
| 62                 | 5310              | 19.32              | 12.86               | 24          | Pass        |
| 102                | 5510              | 22.961             | 13.61               | 24          | Pass        |
| 110                | 5550              | 114.288            | 20.58               | 24          | Pass        |
| 134                | 5670              | 64.714             | 18.11               | 24          | Pass        |
| 142 (UNII-2C Band) | 5710              | 51.642             | 17.13               | 24          | Pass        |
| 142 (UNII-3 Band)  | 5710              | 4.699              | 6.72                | 30          | Pass        |

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |
|--------------------|-----------------|-----------------------|
| 54                 | 5270            | 92.19                 |
| 62                 | 5310            | 41.54                 |
| 102                | 5510            | 41.27                 |
| 110                | 5550            | 91.89                 |
| 134                | 5670            | 76.04                 |
| 142 (UNII-2C Band) | 5710            | 63.89                 |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 54                                                  | 5270       | 92.19       | 30.64 > 24                       |
| 62                                                  | 5310       | 41.54       | 27.18 > 24                       |
| 102                                                 | 5510       | 41.27       | 27.15 > 24                       |
| 110                                                 | 5550       | 91.89       | 30.63 > 24                       |
| 134                                                 | 5670       | 76.04       | 29.81 > 24                       |
| 142 (UNII-2C Band)                                  | 5710       | 63.89       | 29.05 > 24                       |

## 802.11ac (VHT80)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|--------------------|---------------------|-------------|-------------|
| 58                 | 5290              | 17.906             | 12.53               | 24          | Pass        |
| 106                | 5530              | 18.664             | 12.71               | 24          | Pass        |
| 122                | 5610              | 71.285             | 18.53               | 24          | Pass        |
| 138 (UNII-2C Band) | 5690              | 39.411             | 15.96               | 24          | Pass        |
| 138 (UNII-3 Band)  | 5690              | 1.475              | 1.69                | 30          | Pass        |

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |
|--------------------|-----------------|-----------------------|
| 58                 | 5290            | 82.79                 |
| 106                | 5530            | 82.76                 |
| 122                | 5610            | 140.57                |
| 138 (UNII-2C Band) | 5690            | 115.00                |

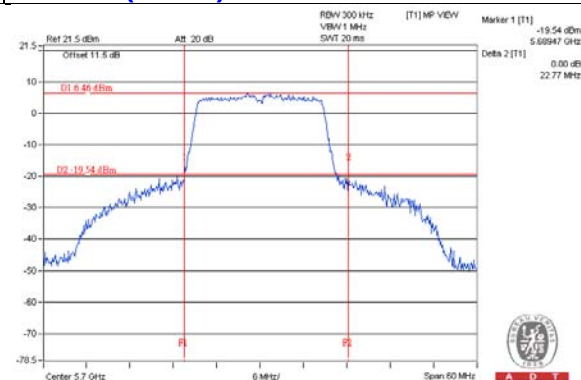
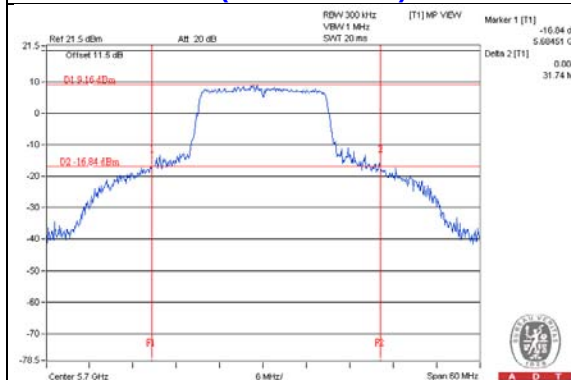
**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 58                                                  | 5290       | 82.79       | 30.17 > 24                       |
| 106                                                 | 5530       | 82.76       | 30.17 > 24                       |
| 122                                                 | 5610       | 140.57      | 32.47 > 24                       |
| 138 (UNII-2C Band)                                  | 5690       | 115.00      | 31.6 > 24                        |

## SPECTRUM PLOT OF WORST VALUE

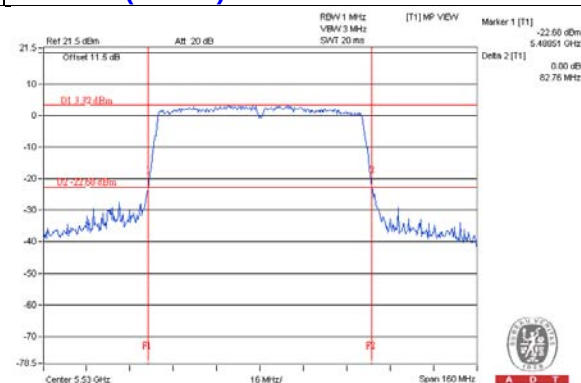
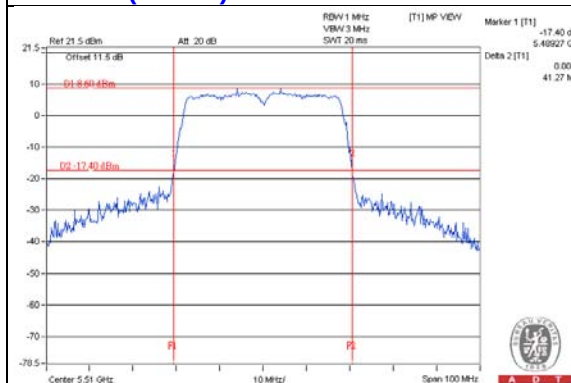
802.11a: CH 144 (UNII-2C Band)

802.11ac (VHT20): CH 140



802.11ac (VHT40): CH 102

802.11ac (VHT80): CH 106



### NOTE:

1. For CH144 (UNII-2C Band) = 5725 MHz - Marker 1

#### 4.3.8 Test Result (Mode 2)

##### POWER OUTPUT:

3TX

CDD Mode:

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 | Chain 2 |                        |                      |             |             |
| 52                    | 5260                 | 15.86               | 14.17   | 15.31   | 98.633                 | 19.94                | 23.62       | Pass        |
| 60                    | 5300                 | 15.83               | 14.11   | 15.21   | 97.234                 | 19.88                | 23.62       | Pass        |
| 64                    | 5320                 | 15.81               | 14.26   | 15.27   | 98.427                 | 19.93                | 23.62       | Pass        |
| 100                   | 5500                 | 15.68               | 14.30   | 15.02   | 95.667                 | 19.81                | 24          | Pass        |
| 116                   | 5580                 | 15.53               | 14.15   | 14.73   | 91.446                 | 19.61                | 24          | Pass        |
| 140                   | 5700                 | 15.13               | 14.12   | 14.66   | 87.649                 | 19.43                | 24          | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 11.82               | 10.37   | 11.54   | 40.35                  | 16.06                | 22.96       | Pass        |
| 144 (UNII-3<br>Band)  | 5720                 | 5.66                | 4.35    | 5.38    | 9.855                  | 9.94                 | 30          | Pass        |

##### NOTE:

For U-NII-2A: Directional gain = 6.38dBi > 6dBi, therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(6.38-6)"

##### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 52                 | 5260            | 21.80                 | 21.65   | 21.72   |
| 60                 | 5300            | 21.65                 | 21.61   | 21.62   |
| 64                 | 5320            | 21.86                 | 21.68   | 21.62   |
| 100                | 5500            | 21.66                 | 21.56   | 21.50   |
| 116                | 5580            | 21.76                 | 21.63   | 21.71   |
| 140                | 5700            | 21.74                 | 21.67   | 21.38   |
| 144 (UNII-2C Band) | 5720            | 15.92                 | 15.76   | 15.73   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 21.65       | 24.35 > 24                       |
| 60                                                  | 5300       | 21.61       | 24.34 > 24                       |
| 64                                                  | 5320       | 21.62       | 24.34 > 24                       |
| 100                                                 | 5500       | 21.50       | 24.32 > 24                       |
| 116                                                 | 5580       | 21.63       | 24.35 > 24                       |
| 140                                                 | 5700       | 21.38       | 24.3 > 24                        |
| 144 (UNII-2C Band)                                  | 5720       | 15.73       | 22.96 < 24                       |

## 802.11ac (VHT20)

### OUTPUT POWER:

| Chan.              | Chan. Freq.<br>(MHz) | Average Power (dBm) |         |         | Total Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|--------------------|----------------------|---------------------|---------|---------|---------------------|----------------------|-------------|-------------|
|                    |                      | Chain 0             | Chain 1 | Chain 2 |                     |                      |             |             |
| 52                 | 5260                 | 15.91               | 14.22   | 15.27   | 99.069              | 19.96                | 23.62       | Pass        |
| 60                 | 5300                 | 15.86               | 14.22   | 15.23   | 98.315              | 19.93                | 23.62       | Pass        |
| 64                 | 5320                 | 15.83               | 14.27   | 15.21   | 98.201              | 19.92                | 23.62       | Pass        |
| 100                | 5500                 | 15.81               | 14.13   | 14.99   | 95.539              | 19.80                | 24          | Pass        |
| 116                | 5580                 | 15.80               | 14.31   | 14.92   | 96.042              | 19.82                | 24          | Pass        |
| 140                | 5700                 | 15.52               | 14.45   | 15.04   | 95.421              | 19.80                | 24          | Pass        |
| 144 (UNII-2C Band) | 5720                 | 11.60               | 10.35   | 11.40   | 39.097              | 15.92                | 23.02       | Pass        |
| 144 (UNII-3 Band)  | 5720                 | 5.85                | 4.65    | 5.73    | 10.504              | 10.21                | 30          | Pass        |

#### NOTE:

For U-NII-2A: Directional gain = 6.38dBi > 6dBi, therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(6.38-6)"

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 52                 | 5260            | 21.89                 | 21.63   | 21.97   |
| 60                 | 5300            | 21.99                 | 21.80   | 21.81   |
| 64                 | 5320            | 22.05                 | 21.81   | 21.81   |
| 100                | 5500            | 21.97                 | 21.62   | 21.71   |
| 116                | 5580            | 21.99                 | 21.81   | 21.76   |
| 140                | 5700            | 21.84                 | 21.73   | 21.71   |
| 144 (UNII-2C Band) | 5720            | 16.16                 | 15.94   | 15.97   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 21.63       | 24.35 > 24                       |
| 60                                                  | 5300       | 21.80       | 24.38 > 24                       |
| 64                                                  | 5320       | 21.81       | 24.38 > 24                       |
| 100                                                 | 5500       | 21.62       | 24.34 > 24                       |
| 116                                                 | 5580       | 21.76       | 24.37 > 24                       |
| 140                                                 | 5700       | 21.71       | 24.36 > 24                       |
| 144 (UNII-2C Band)                                  | 5720       | 15.94       | 23.02 < 24                       |

## 802.11ac (VHT40)

### OUTPUT POWER:

| 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 | Chain 2 |                        |                      |             |             |
| 54                    | 5270                 | 18.83               | 17.11   | 18.32   | 195.708                | 22.92                | 23.62       | Pass        |
| 62                    | 5310                 | 16.56               | 15.27   | 16.44   | 122.996                | 20.90                | 23.62       | Pass        |
| 102                   | 5510                 | 17.13               | 16.22   | 16.85   | 141.938                | 21.52                | 24          | Pass        |
| 110                   | 5550                 | 18.27               | 17.59   | 18.19   | 190.472                | 22.80                | 24          | Pass        |
| 134                   | 5670                 | 18.11               | 17.54   | 18.07   | 185.589                | 22.69                | 24          | Pass        |
| 142 (UNII-2C<br>Band) | 5710                 | 14.64               | 14.52   | 14.76   | 87.344                 | 19.41                | 24          | Pass        |
| 142 (UNII-3<br>Band)  | 5710                 | 4.28                | 4.24    | 4.48    | 8.139                  | 9.11                 | 30          | Pass        |

#### NOTE:

For U-NII-2A: Directional gain = 6.38dBi > 6dBi, therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(6.38-6)"

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 54                 | 5270            | 59.09                 | 44.19   | 41.34   |
| 62                 | 5310            | 44.01                 | 41.49   | 41.29   |
| 102                | 5510            | 41.76                 | 41.47   | 41.20   |
| 110                | 5550            | 47.03                 | 43.68   | 41.13   |
| 134                | 5670            | 49.08                 | 55.90   | 41.28   |
| 142 (UNII-2C Band) | 5710            | 37.86                 | 38.36   | 35.71   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                     |
|-----------------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 54                                                  | 5270       | 41.34       | 27.16 > 24                          |
| 62                                                  | 5310       | 41.29       | 27.15 > 24                          |
| 102                                                 | 5510       | 41.20       | 27.14 > 24                          |
| 110                                                 | 5550       | 41.13       | 27.14 > 24                          |
| 134                                                 | 5670       | 41.28       | 27.15 > 24                          |
| 142 (UNII-2C Band)                                  | 5710       | 35.71       | 26.52 > 24                          |



## 802.11ac (VHT80)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 | Chain 2 |                  |                   |             |             |
| 58                 | 5290              | 14.76               | 13.42   | 14.25   | 78.509           | 18.95             | 23.62       | Pass        |
| 106                | 5530              | 16.73               | 15.06   | 15.51   | 114.724          | 20.60             | 24          | Pass        |
| 122                | 5610              | 18.15               | 17.46   | 17.75   | 180.598          | 22.57             | 24          | Pass        |
| 138 (UNII-2C Band) | 5690              | 16.12               | 15.44   | 15.77   | 118.415          | 20.73             | 24          | Pass        |
| 138 (UNII-3 Band)  | 5690              | 2.09                | 1.77    | 2.12    | 4.948            | 6.94              | 30          | Pass        |

### NOTE:

For U-NII-2A: Directional gain = 6.38dBi > 6dBi, therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(6.38-6)"

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 58                 | 5290            | 82.71                 | 82.19   | 82.49   |
| 106                | 5530            | 82.60                 | 82.06   | 82.13   |
| 122                | 5610            | 106.76                | 82.10   | 82.49   |
| 138 (UNII-2C Band) | 5690            | 103.58                | 76.08   | 76.13   |

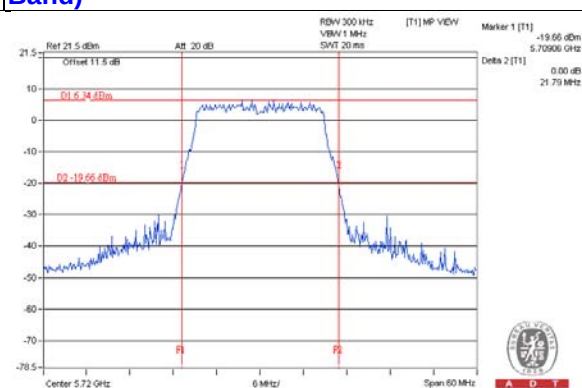
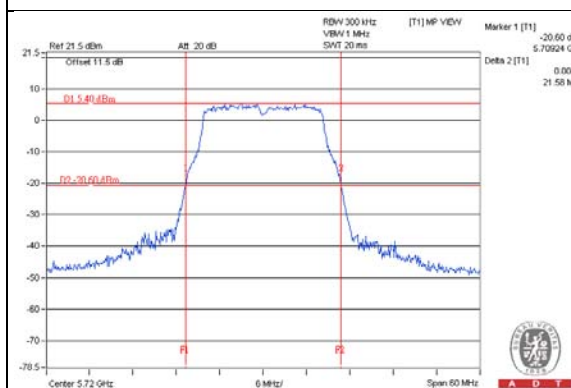
**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 58                                                  | 5290       | 82.19       | 30.14 > 24                       |
| 106                                                 | 5530       | 82.06       | 30.14 > 24                       |
| 122                                                 | 5610       | 82.10       | 30.14 > 24                       |
| 138 (UNII-2C Band)                                  | 5690       | 76.08       | 29.81 > 24                       |

## SPECTRUM PLOT OF WORST VALUE

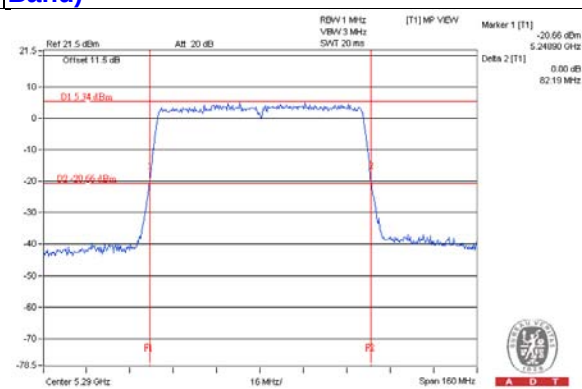
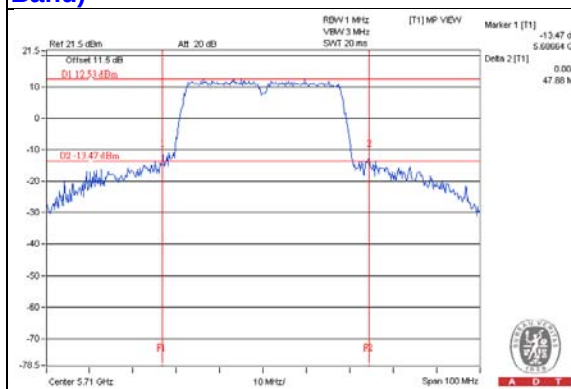
802.11a – Chain (1): CH 144 (UNII-2C Band)

802.11ac (VHT20) – Chain (1): CH 144 (UNII-2C Band)



802.11ac (VHT40) – Chain (1): CH 142 (UNII-2C Band)

802.11ac (VHT80) – Chain (1): 138 (UNII-2C Band)



### NOTE:

1. For CH144 (UNII-2C Band) = 5725 MHz - Marker 1
2. For CH142 (UNII-2C Band) = 5725 MHz - Marker 1
3. For CH138 (UNII-2C Band) = 5725 MHz - Marker 1

**TxBF Mode:**

802.11ac (VHT20)

**OUTPUT POWER:**

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 | Chain 2 |                  |                   |             |             |
| 52                 | 5260              | 15.86               | 14.17   | 15.22   | 97.936           | 19.91             | 19.94       | Pass        |
| 60                 | 5300              | 15.86               | 14.22   | 15.23   | 98.315           | 19.93             | 19.94       | Pass        |
| 64                 | 5320              | 15.83               | 14.27   | 15.21   | 98.201           | 19.92             | 19.94       | Pass        |
| 100                | 5500              | 15.81               | 14.13   | 14.99   | 95.539           | 19.80             | 20.00       | Pass        |
| 116                | 5580              | 15.80               | 14.31   | 14.92   | 96.042           | 19.82             | 20.00       | Pass        |
| 140                | 5700              | 15.52               | 14.45   | 15.04   | 95.421           | 19.80             | 20.00       | Pass        |
| 144 (UNII-2C Band) | 5720              | 11.60               | 10.35   | 11.40   | 39.097           | 15.92             | 19.02       | Pass        |
| 144 (UNII-3 Band)  | 5720              | 5.85                | 4.65    | 5.73    | 10.504           | 10.21             | 26.03       | Pass        |

**NOTE:** 1. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.06\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(10.06-6)"

2. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(10-6)"

**26dB BANDWIDTH:**

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 52                 | 5260            | 21.89                 | 21.63   | 21.97   |
| 60                 | 5300            | 21.99                 | 21.80   | 21.81   |
| 64                 | 5320            | 22.05                 | 21.81   | 21.81   |
| 100                | 5500            | 21.97                 | 21.62   | 21.71   |
| 116                | 5580            | 21.99                 | 21.81   | 21.76   |
| 140                | 5700            | 21.84                 | 21.73   | 21.71   |
| 144 (UNII-2C Band) | 5720            | 16.16                 | 15.94   | 15.97   |

**Note:** For FCC output power limitation is determined based on 26dB bandwidth.

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 21.63       | 24.35 > 24                       |
| 60                                                  | 5300       | 21.80       | 24.38 > 24                       |
| 64                                                  | 5320       | 21.81       | 24.38 > 24                       |
| 100                                                 | 5500       | 21.62       | 24.34 > 24                       |
| 116                                                 | 5580       | 21.76       | 24.37 > 24                       |
| 140                                                 | 5700       | 21.71       | 24.36 > 24                       |
| 144 (UNII-2C Band)                                  | 5720       | 15.94       | 23.02 < 24                       |

## 802.11ac (VHT40)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 | Chain 2 |                  |                   |             |             |
| 54                 | 5270              | 15.86               | 13.98   | 15.24   | 96.971           | 19.87             | 19.94       | Pass        |
| 62                 | 5310              | 15.47               | 14.27   | 15.37   | 96.402           | 19.84             | 19.94       | Pass        |
| 102                | 5510              | 15.55               | 14.34   | 15.31   | 97.019           | 19.87             | 20.00       | Pass        |
| 110                | 5550              | 15.40               | 14.59   | 15.00   | 95.071           | 19.78             | 20.00       | Pass        |
| 134                | 5670              | 15.27               | 14.82   | 15.42   | 98.824           | 19.95             | 20.00       | Pass        |
| 142 (UNII-2C Band) | 5710              | 10.37               | 10.44   | 10.36   | 32.819           | 15.16             | 20.00       | Pass        |
| 142 (UNII-3 Band)  | 5710              | -0.14               | -0.06   | -0.12   | 2.9273           | 4.66              | 26.03       | Pass        |

- NOTE:** 1. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.06\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(10.06-6)"
2. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(10-6)"
3. For U-NII-3: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.97\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(9.97-6) = 26.03\text{dBm}$ .

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 54                 | 5270            | 59.09                 | 44.19   | 41.34   |
| 62                 | 5310            | 44.01                 | 41.49   | 41.29   |
| 102                | 5510            | 41.76                 | 41.47   | 41.20   |
| 110                | 5550            | 47.03                 | 43.68   | 41.13   |
| 134                | 5670            | 49.08                 | 55.90   | 41.28   |
| 142 (UNII-2C Band) | 5710            | 37.86                 | 38.36   | 35.71   |

**Note:** For FCC output power limitation is determined based on 26dB bandwidth.

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 54                                                  | 5270       | 41.34       | 27.16 > 24                       |
| 62                                                  | 5310       | 41.29       | 27.15 > 24                       |
| 102                                                 | 5510       | 41.20       | 27.14 > 24                       |
| 110                                                 | 5550       | 41.13       | 27.14 > 24                       |
| 134                                                 | 5670       | 41.28       | 27.15 > 24                       |
| 142 (UNII-2C Band)                                  | 5710       | 35.71       | 26.52 > 24                       |

## 802.11ac (VHT80)

### OUTPUT POWER:

| 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 | Chain 2 |                        |                      |             |             |
| 58                    | 5290                 | 14.76               | 13.42   | 14.25   | 78.509                 | 18.95                | 19.94       | Pass        |
| 106                   | 5530                 | 15.96               | 14.25   | 14.73   | 95.77                  | 19.81                | 20.00       | Pass        |
| 122                   | 5610                 | 15.55               | 14.72   | 15.11   | 97.974                 | 19.91                | 20.00       | Pass        |
| 138 (UNII-2C<br>Band) | 5690                 | 11.02               | 10.93   | 11.05   | 39.33                  | 15.95                | 20.00       | Pass        |
| 138 (UNII-3<br>Band)  | 5690                 | -3.31               | -3.38   | -3.23   | 1.4591                 | 1.64                 | 26.03       | Pass        |

- NOTE:** 1. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.06\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(10.06-6)"
2. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(10-6)"
3. For U-NII-3: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.97\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(9.97-6) = 26.03\text{dBm}$ .

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |         |
|--------------------|-----------------|-----------------------|---------|---------|
|                    |                 | Chain 0               | Chain 1 | Chain 2 |
| 58                 | 5290            | 82.71                 | 82.19   | 82.49   |
| 106                | 5530            | 82.60                 | 82.06   | 82.13   |
| 122                | 5610            | 106.76                | 82.10   | 82.49   |
| 138 (UNII-2C Band) | 5690            | 103.58                | 76.08   | 76.13   |

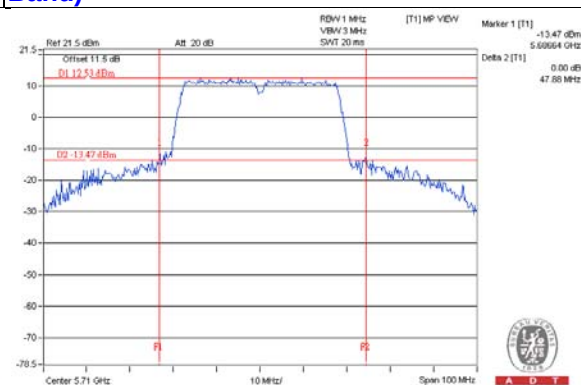
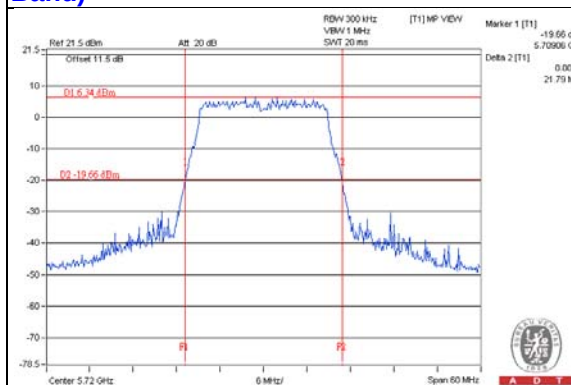
**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 58                                                  | 5290       | 82.19       | 30.14 > 24                       |
| 106                                                 | 5530       | 82.06       | 30.14 > 24                       |
| 122                                                 | 5610       | 82.10       | 30.14 > 24                       |
| 138 (UNII-2C Band)                                  | 5690       | 76.08       | 29.81 > 24                       |

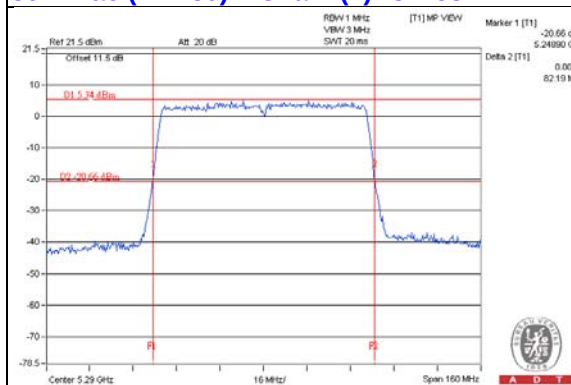
### SPECTRUM PLOT OF WORST VALUE

802.11ac (VHT20) – Chain (1): CH 144 (UNII-2C Band)

802.11ac (VHT40) – Chain (1): CH 142 (UNII-2C Band)



802.11ac (VHT80) – Chain (1): CH 58



#### NOTE:

1. For CH144 (UNII-2C Band) = 5725 MHz - Marker 1
2. For CH142 (UNII-2C Band) = 5725 MHz - Marker 1



2TX

CDD Mode:

802.11a

OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 |                  |                   |             |             |
| 52                 | 5260              | 18.71               | 17.26   | 127.513          | 21.06             | 21.24       | Pass        |
| 60                 | 5300              | 18.84               | 17.34   | 130.76           | 21.16             | 21.24       | Pass        |
| 64                 | 5320              | 18.72               | 17.46   | 130.192          | 21.15             | 21.24       | Pass        |
| 100                | 5500              | 19.03               | 17.32   | 133.934          | 21.27             | 21.58       | Pass        |
| 116                | 5580              | 19.36               | 17.38   | 141              | 21.49             | 21.58       | Pass        |
| 140                | 5700              | 19.20               | 17.47   | 139.023          | 21.43             | 21.58       | Pass        |
| 144 (UNII-2C Band) | 5720              | 15.42               | 13.58   | 57.637           | 17.61             | 20.63       | Pass        |
| 144 (UNII-3 Band)  | 5720              | 9.76                | 7.99    | 15.757           | 11.97             | 27.79       | Pass        |

- NOTE:** 1. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.76\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.76-6)"
2. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.42\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.42-6)"
3. For U-NII-3: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.21\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(8.21-6) = 27.79\text{dBm}$ .

26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 1 |
| 52                 | 5260            | 22.05                 | 21.98   |
| 60                 | 5300            | 25.22                 | 21.95   |
| 64                 | 5320            | 22.00                 | 21.90   |
| 100                | 5500            | 21.85                 | 21.80   |
| 116                | 5580            | 21.71                 | 21.71   |
| 140                | 5700            | 21.71                 | 21.76   |
| 144 (UNII-2C Band) | 5720            | 16.18                 | 15.94   |

**Note:** For FCC output power limitation is determined based on 26dB bandwidth.

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 21.98       | 24.42 > 24                       |
| 60                                                  | 5300       | 21.95       | 24.41 > 24                       |
| 64                                                  | 5320       | 21.90       | 24.4 > 24                        |
| 100                                                 | 5500       | 21.80       | 24.38 > 24                       |
| 116                                                 | 5580       | 21.71       | 24.36 > 24                       |
| 140                                                 | 5700       | 21.71       | 24.36 > 24                       |
| 144 (UNII-2C Band)                                  | 5720       | 15.94       | 23.02 < 24                       |

## 802.11ac (VHT20)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 |                  |                   |             |             |
| 52                 | 5260              | 19.07               | 17.51   | 137.088          | 21.37             | 23.62       | Pass        |
| 60                 | 5300              | 19.19               | 17.59   | 140.397          | 21.47             | 23.62       | Pass        |
| 64                 | 5320              | 19.03               | 17.71   | 139.003          | 21.43             | 23.62       | Pass        |
| 100                | 5500              | 19.03               | 17.32   | 133.934          | 21.27             | 24.00       | Pass        |
| 116                | 5580              | 19.36               | 17.38   | 141              | 21.49             | 24.00       | Pass        |
| 140                | 5700              | 19.20               | 17.47   | 139.023          | 21.43             | 24.00       | Pass        |
| 144 (UNII-2C Band) | 5720              | 15.42               | 13.58   | 57.637           | 17.61             | 23.05       | Pass        |
| 144 (UNII-3 Band)  | 5720              | 9.76                | 7.99    | 15.757           | 11.97             | 30.00       | Pass        |

**NOTE:** 1. For U-NII-2A: Directional gain = 6.38dBi > 6dBi, therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(6.38-6)"

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 1 |
| 52                 | 5260            | 25.11                 | 22.09   |
| 60                 | 5300            | 24.20                 | 22.20   |
| 64                 | 5320            | 24.27                 | 22.27   |
| 100                | 5500            | 22.06                 | 22.12   |
| 116                | 5580            | 22.53                 | 22.20   |
| 140                | 5700            | 24.53                 | 22.38   |
| 144 (UNII-2C Band) | 5720            | 16.17                 | 16.05   |

**Note:** For FCC output power limitation is determined based on 26dB bandwidth.

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 22.09       | 24.44 > 24                       |
| 60                                                  | 5300       | 22.20       | 24.46 > 24                       |
| 64                                                  | 5320       | 22.27       | 24.47 > 24                       |
| 100                                                 | 5500       | 22.06       | 24.43 > 24                       |
| 116                                                 | 5580       | 22.20       | 24.46 > 24                       |
| 140                                                 | 5700       | 22.38       | 24.49 > 24                       |
| 144 (UNII-2C Band)                                  | 5720       | 16.05       | 23.05 < 24                       |

## 802.11ac (VHT40)

### OUTPUT POWER:

| 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 |                        |                      |             |             |
| 54                    | 5270                 | 21.15               | 19.89   | 227.816                | 23.58                | 23.62       | Pass        |
| 62                    | 5310                 | 17.12               | 15.93   | 90.697                 | 19.58                | 23.62       | Pass        |
| 102                   | 5510                 | 17.92               | 16.93   | 111.261                | 20.46                | 24.00       | Pass        |
| 110                   | 5550                 | 20.96               | 20.22   | 229.934                | 23.62                | 24.00       | Pass        |
| 134                   | 5670                 | 18.76               | 18.11   | 139.876                | 21.46                | 24.00       | Pass        |
| 142 (UNII-2C<br>Band) | 5710                 | 18.19               | 17.44   | 121.38                 | 20.84                | 24.00       | Pass        |
| 142 (UNII-3<br>Band)  | 5710                 | 7.89                | 7.26    | 11.473                 | 10.60                | 30.00       | Pass        |

**NOTE:** For U-NII-2A: Directional gain = 6.38dBi > 6dBi , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(6.38-6)"

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 1 |
| 54                 | 5270            | 84.13                 | 65.01   |
| 62                 | 5310            | 42.28                 | 41.65   |
| 102                | 5510            | 41.63                 | 41.78   |
| 110                | 5550            | 70.20                 | 65.71   |
| 134                | 5670            | 57.26                 | 60.54   |
| 142 (UNII-2C Band) | 5710            | 57.43                 | 61.43   |

**Note:** For FCC output power limitation is determined based on 26dB bandwidth.

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                     |
|-----------------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 54                                                  | 5270       | 65.01       | 29.12 > 24                          |
| 62                                                  | 5310       | 41.65       | 27.19 > 24                          |
| 102                                                 | 5510       | 41.63       | 27.19 > 24                          |
| 110                                                 | 5550       | 65.71       | 29.17 > 24                          |
| 134                                                 | 5670       | 57.26       | 28.57 > 24                          |
| 142 (UNII-2C Band)                                  | 5710       | 57.43       | 28.59 > 24                          |

## 802.11ac (VHT80)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 |                  |                   |             |             |
| 58                 | 5290              | 17.11               | 15.82   | 89.598           | 19.52             | 23.62       | Pass        |
| 106                | 5530              | 17.64               | 16.25   | 100.246          | 20.01             | 24.00       | Pass        |
| 122                | 5610              | 19.02               | 18.61   | 152.41           | 21.83             | 24.00       | Pass        |
| 138 (UNII-2C Band) | 5690              | 17.92               | 17.69   | 125.722          | 20.99             | 24.00       | Pass        |
| 138 (UNII-3 Band)  | 5690              | 4.00                | 4.17    | 5.338            | 7.27              | 30.00       | Pass        |

**NOTE:** For 5290MHz: Directional gain = 6.38dBi > 6dBi , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(6.38-6)"

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 1 |
| 58                 | 5290            | 82.96                 | 82.59   |
| 106                | 5530            | 82.88                 | 82.67   |
| 122                | 5610            | 86.20                 | 103.93  |
| 138 (UNII-2C Band) | 5690            | 106.41                | 114.63  |

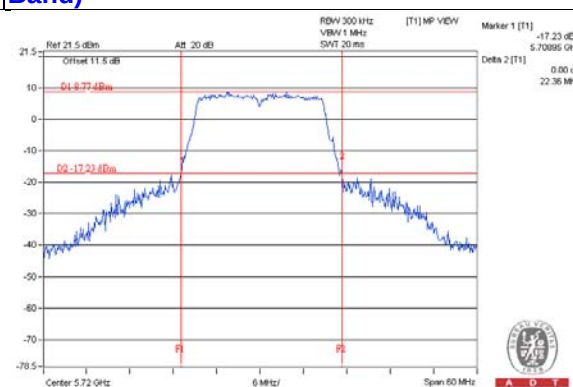
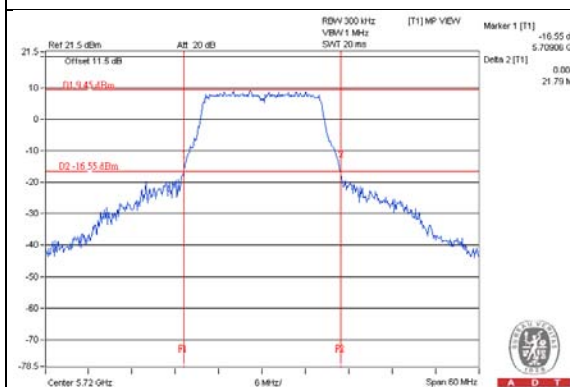
**Note:** For FCC output power limitation is determined based on 26dB bandwidth.

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 58                                                  | 5290       | 82.59       | 30.16 > 24                       |
| 106                                                 | 5530       | 82.67       | 30.17 > 24                       |
| 122                                                 | 5610       | 86.20       | 30.35 > 24                       |
| 138 (UNII-2C Band)                                  | 5690       | 106.41      | 31.26 > 24                       |

### SPECTRUM PLOT OF WORST VALUE

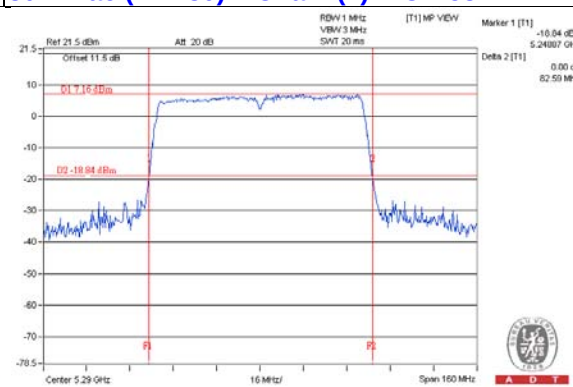
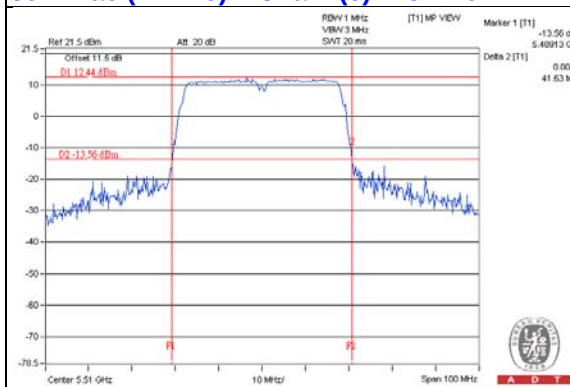
802.11a – Chain (1): CH 144 (UNII-3 Band)

802.11ac (VHT20) – Chain (1): CH 144 (UNII-3 Band)



802.11ac (VHT40) – Chain (0): : CH 102

802.11ac (VHT80) – Chain (1): : CH 58



#### NOTE:

1. For CH144 (UNII-2C Band) = 5725 MHz - Marker 1

**TxBF Mode:**

**802.11ac (VHT20)**

**OUTPUT POWER:**

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 |                  |                   |             |             |
| 52                 | 5260              | 18.71               | 17.26   | 127.513          | 21.06             | 21.24       | Pass        |
| 60                 | 5300              | 18.84               | 17.34   | 130.76           | 21.16             | 21.24       | Pass        |
| 64                 | 5320              | 18.72               | 17.46   | 130.192          | 21.15             | 21.24       | Pass        |
| 100                | 5500              | 19.03               | 17.32   | 133.934          | 21.27             | 21.58       | Pass        |
| 116                | 5580              | 19.36               | 17.38   | 141              | 21.49             | 21.58       | Pass        |
| 140                | 5700              | 19.20               | 17.47   | 139.023          | 21.43             | 21.58       | Pass        |
| 144 (UNII-2C Band) | 5720              | 15.42               | 13.58   | 57.637           | 17.61             | 20.63       | Pass        |
| 144 (UNII-3 Band)  | 5720              | 9.76                | 7.99    | 15.757           | 11.97             | 27.79       | Pass        |

- NOTE:** 1. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.76\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.76-6)"
2. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.42\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.42-6)"
3. For U-NII-3: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.21\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(8.21-6) = 27.79\text{dBm}$ .

**26dB BANDWIDTH:**

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 1 |
| 52                 | 5260            | 25.11                 | 22.09   |
| 60                 | 5300            | 24.20                 | 22.20   |
| 64                 | 5320            | 24.27                 | 22.27   |
| 100                | 5500            | 22.06                 | 22.12   |
| 116                | 5580            | 22.53                 | 22.20   |
| 140                | 5700            | 24.53                 | 22.38   |
| 144 (UNII-2C Band) | 5720            | 16.17                 | 16.05   |

**Note:** For FCC output power limitation is determined based on 26dB bandwidth.



| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 22.09       | 24.44 > 24                       |
| 60                                                  | 5300       | 22.20       | 24.46 > 24                       |
| 64                                                  | 5320       | 22.27       | 24.47 > 24                       |
| 100                                                 | 5500       | 22.06       | 24.43 > 24                       |
| 116                                                 | 5580       | 22.20       | 24.46 > 24                       |
| 140                                                 | 5700       | 22.38       | 24.49 > 24                       |
| 144 (UNII-2C Band)                                  | 5720       | 16.05       | 23.05 < 24                       |

## 802.11ac (VHT40)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 |                  |                   |             |             |
| 54                 | 5270              | 18.71               | 17.46   | 130.021          | 21.14             | 21.24       | Pass        |
| 62                 | 5310              | 17.12               | 15.93   | 90.697           | 19.58             | 21.24       | Pass        |
| 102                | 5510              | 17.92               | 16.93   | 111.261          | 20.46             | 21.58       | Pass        |
| 110                | 5550              | 18.93               | 17.82   | 138.697          | 21.42             | 21.58       | Pass        |
| 134                | 5670              | 18.76               | 18.11   | 139.876          | 21.46             | 21.58       | Pass        |
| 142 (UNII-2C Band) | 5710              | 14.23               | 14.34   | 53.649           | 17.30             | 21.58       | Pass        |
| 142 (UNII-3 Band)  | 5710              | 3.70                | 3.74    | 4.71             | 6.73              | 27.79       | Pass        |

- NOTE:** 1. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.76\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.76-6)"
2. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.42\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.42-6)"
3. For U-NII-3: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.21\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(8.21-6) = 27.79\text{dBm}$ .

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 1 |
| 54                 | 5270            | 84.13                 | 65.01   |
| 62                 | 5310            | 42.28                 | 41.65   |
| 102                | 5510            | 41.63                 | 41.78   |
| 110                | 5550            | 70.20                 | 65.71   |
| 134                | 5670            | 57.26                 | 60.54   |
| 142 (UNII-2C Band) | 5710            | 57.43                 | 61.43   |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 54                                                  | 5270       | 65.01       | 29.12 > 24                       |
| 62                                                  | 5310       | 41.65       | 27.19 > 24                       |
| 102                                                 | 5510       | 41.63       | 27.19 > 24                       |
| 110                                                 | 5550       | 65.71       | 29.17 > 24                       |
| 134                                                 | 5670       | 57.26       | 28.57 > 24                       |
| 142 (UNII-2C Band)                                  | 5710       | 57.43       | 28.59 > 24                       |

## 802.11ac (VHT80)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|---------------------|---------|------------------|-------------------|-------------|-------------|
|                    |                   | Chain 0             | Chain 1 |                  |                   |             |             |
| 58                 | 5290              | 17.11               | 15.82   | 89.598           | 19.52             | 21.24       | Pass        |
| 106                | 5530              | 17.64               | 16.25   | 100.246          | 20.01             | 21.58       | Pass        |
| 122                | 5610              | 18.71               | 18.32   | 142.222          | 21.53             | 21.58       | Pass        |
| 138 (UNII-2C Band) | 5690              | 15.06               | 14.99   | 66.24            | 18.21             | 21.58       | Pass        |
| 138 (UNII-3 Band)  | 5690              | 0.92                | 0.84    | 2.55             | 4.07              | 27.79       | Pass        |

- NOTE:** 1. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.76\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.76-6)"
2. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.42\text{dBi} > 6\text{dBi}$ , therefore the limit needs to reduce, so the power limit shall be reduced to "Determined Conducted Limit-(8.42-6)"
3. For U-NII-3: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.21\text{dBi} > 6\text{dBi}$ , so the power limit shall be reduced to  $30-(8.21-6) = 27.79\text{dBm}$ .

### 26dB BANDWIDTH:

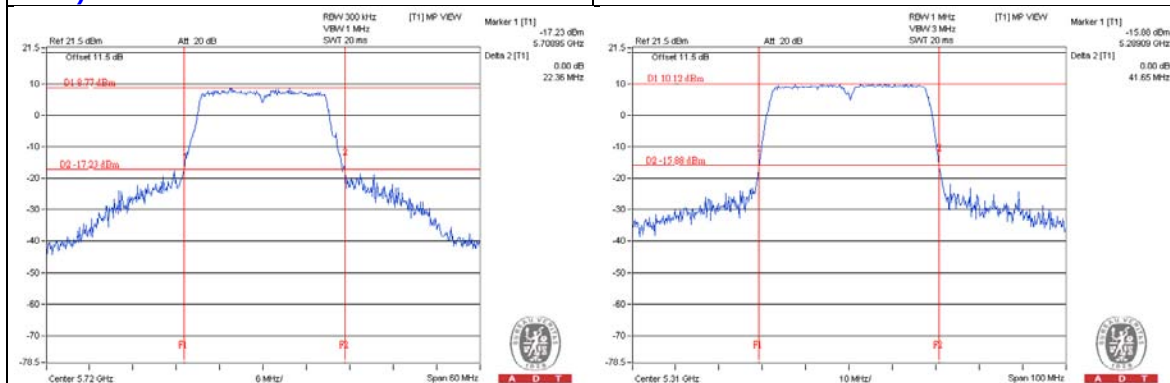
| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|--------------------|-----------------|-----------------------|---------|
|                    |                 | Chain 0               | Chain 1 |
| 58                 | 5290            | 82.96                 | 82.59   |
| 106                | 5530            | 82.88                 | 82.67   |
| 122                | 5610            | 86.20                 | 103.93  |
| 138 (UNII-2C Band) | 5690            | 106.41                | 114.63  |

**Note:** For FCC output power limitation is determined based on 26dB bandwidth.

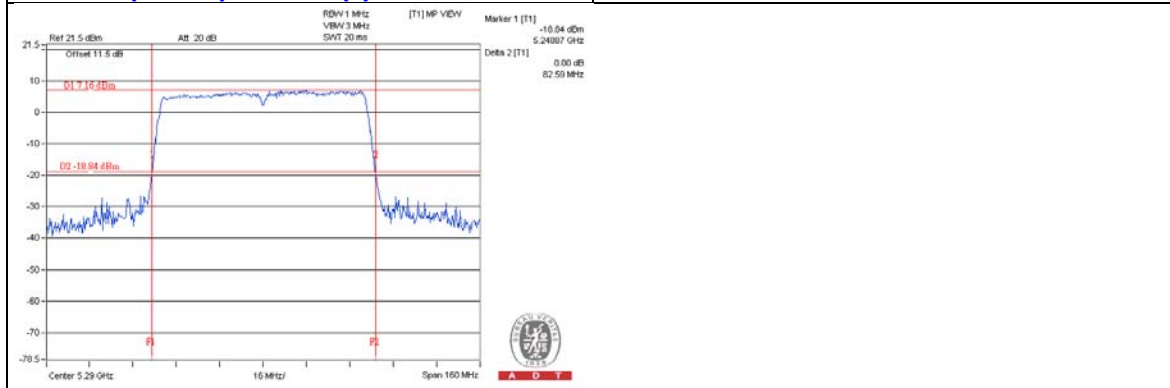
| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 58                                                  | 5290       | 82.59       | 30.16 > 24                       |
| 106                                                 | 5530       | 82.67       | 30.17 > 24                       |
| 122                                                 | 5610       | 86.20       | 30.35 > 24                       |
| 138 (UNII-2C Band)                                  | 5690       | 106.41      | 31.26 > 24                       |

# SPECTRUM PLOT OF WORST VALUE

802.11ac (VHT20) – Chain (1): CH 144 (UNII-2C Band) 802.11ac (VHT40) – Chain (1): : CH 62 Band)



802.11ac (VHT80) – Chain (1): CH 58



## NOTE:

1. For CH144 (UNII-2C Band) = 5725 MHz - Marker 1

1TX  
Chain 0  
802.11a

| Chan.              | Chan. Freq.<br>(MHz) | Average<br>Power<br>(mW) | Average<br>Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|--------------------|----------------------|--------------------------|---------------------------|-------------|-------------|
| 52                 | 5260                 | 132.434                  | 21.22                     | 24          | Pass        |
| 60                 | 5300                 | 133.968                  | 21.27                     | 24          | Pass        |
| 64                 | 5320                 | 104.954                  | 20.21                     | 24          | Pass        |
| 100                | 5500                 | 129.122                  | 21.11                     | 24          | Pass        |
| 116                | 5580                 | 133.968                  | 21.27                     | 24          | Pass        |
| 140                | 5700                 | 92.47                    | 19.66                     | 24          | Pass        |
| 144 (UNII-2C Band) | 5720                 | 62.373                   | 17.95                     | 24          | Pass        |
| 144 (UNII-3 Band)  | 5720                 | 14.997                   | 11.76                     | 30          | Pass        |

**26dB BANDWIDTH:**

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |
|--------------------|-----------------|-----------------------|
| 52                 | 5260            | 32.76                 |
| 60                 | 5300            | 32.67                 |
| 64                 | 5320            | 26.06                 |
| 100                | 5500            | 25.77                 |
| 116                | 5580            | 31.04                 |
| 140                | 5700            | 24.27                 |
| 144 (UNII-2C Band) | 5720            | 21.78                 |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                     |
|-----------------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 52                                                  | 5260       | 32.76       | 26.15 > 24                          |
| 60                                                  | 5300       | 32.67       | 26.14 > 24                          |
| 64                                                  | 5320       | 26.06       | 25.15 > 24                          |
| 100                                                 | 5500       | 25.77       | 25.11 > 24                          |
| 116                                                 | 5580       | 31.04       | 25.91 > 24                          |
| 140                                                 | 5700       | 24.27       | 24.85 > 24                          |
| 144 (UNII-2C Band)                                  | 5720       | 21.78       | 24.38 > 24                          |

## 802.11ac (VHT20)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|--------------------|---------------------|-------------|-------------|
| 52                 | 5260              | 131.522            | 21.19               | 24          | Pass        |
| 60                 | 5300              | 130.918            | 21.17               | 24          | Pass        |
| 64                 | 5320              | 94.189             | 19.74               | 24          | Pass        |
| 100                | 5500              | 106.414            | 20.27               | 24          | Pass        |
| 116                | 5580              | 132.13             | 21.21               | 24          | Pass        |
| 140                | 5700              | 92.257             | 19.65               | 24          | Pass        |
| 144 (UNII-2C Band) | 5720              | 56.234             | 17.50               | 24          | Pass        |
| 144 (UNII-3 Band)  | 5720              | 15.066             | 11.78               | 30          | Pass        |

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |
|--------------------|-----------------|-----------------------|
| 52                 | 5260            | 40.58                 |
| 60                 | 5300            | 36.77                 |
| 64                 | 5320            | 28.36                 |
| 100                | 5500            | 23.62                 |
| 116                | 5580            | 37.13                 |
| 140                | 5700            | 24.79                 |
| 144 (UNII-2C Band) | 5720            | 24.33                 |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 40.58       | 27.08 > 24                       |
| 60                                                  | 5300       | 36.77       | 26.65 > 24                       |
| 64                                                  | 5320       | 28.36       | 25.52 > 24                       |
| 100                                                 | 5500       | 23.62       | 24.73 > 24                       |
| 116                                                 | 5580       | 37.13       | 26.69 > 24                       |
| 140                                                 | 5700       | 24.79       | 24.94 > 24                       |
| 144 (UNII-2C Band)                                  | 5720       | 24.33       | 24.86 > 24                       |

## 802.11ac (VHT40)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|--------------------|---------------------|-------------|-------------|
| 54                 | 5270              | 145.211            | 21.62               | 24          | Pass        |
| 62                 | 5310              | 53.827             | 17.31               | 24          | Pass        |
| 102                | 5510              | 64.714             | 18.11               | 24          | Pass        |
| 110                | 5550              | 124.738            | 20.96               | 24          | Pass        |
| 134                | 5670              | 89.331             | 19.51               | 24          | Pass        |
| 142 (UNII-2C Band) | 5710              | 65.917             | 18.19               | 24          | Pass        |
| 142 (UNII-3 Band)  | 5710              | 6.152              | 7.89                | 30          | Pass        |

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |
|--------------------|-----------------|-----------------------|
| 54                 | 5270            | 88.44                 |
| 62                 | 5310            | 42.29                 |
| 102                | 5510            | 41.56                 |
| 110                | 5550            | 70.20                 |
| 134                | 5670            | 62.89                 |
| 142 (UNII-2C Band) | 5710            | 57.43                 |

**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 54                                                  | 5270       | 88.44       | 30.46 > 24                       |
| 62                                                  | 5310       | 42.29       | 27.26 > 24                       |
| 102                                                 | 5510       | 41.56       | 27.18 > 24                       |
| 110                                                 | 5550       | 70.20       | 29.46 > 24                       |
| 134                                                 | 5670       | 62.89       | 28.98 > 24                       |
| 142 (UNII-2C Band)                                  | 5710       | 57.43       | 28.59 > 24                       |



## 802.11ac (VHT80)

### OUTPUT POWER:

| Chan.              | Chan. Freq. (MHz) | Average Power (mW) | Average Power (dBm) | Limit (dBm) | Pass / Fail |
|--------------------|-------------------|--------------------|---------------------|-------------|-------------|
| 58                 | 5290              | 54.828             | 17.39               | 24          | Pass        |
| 106                | 5530              | 60.814             | 17.84               | 24          | Pass        |
| 122                | 5610              | 97.051             | 19.87               | 24          | Pass        |
| 138 (UNII-2C Band) | 5690              | 64.525             | 18.10               | 24          | Pass        |
| 138 (UNII-3 Band)  | 5690              | 2.617              | 4.18                | 30          | Pass        |

### 26dB BANDWIDTH:

| Channel            | Frequency (MHz) | 26dBc Bandwidth (MHz) |
|--------------------|-----------------|-----------------------|
| 58                 | 5290            | 82.54                 |
| 106                | 5530            | 82.83                 |
| 122                | 5610            | 126.48                |
| 138 (UNII-2C Band) | 5690            | 106.41                |

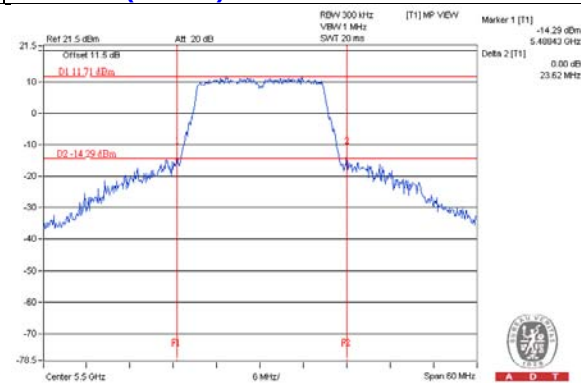
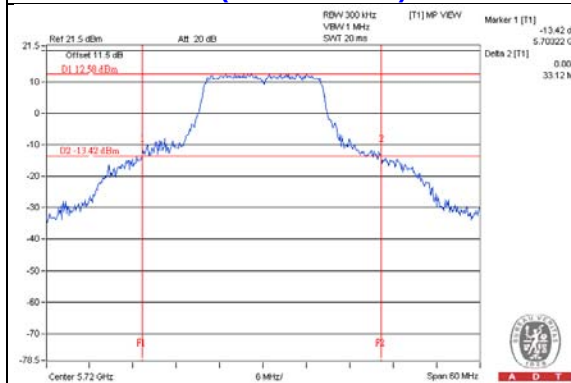
**Note: For FCC output power limitation is determined based on 26dB bandwidth.**

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 58                                                  | 5290       | 82.54       | 30.16 > 24                       |
| 106                                                 | 5530       | 82.83       | 30.18 > 24                       |
| 122                                                 | 5610       | 126.48      | 32.02 > 24                       |
| 138 (UNII-2C Band)                                  | 5690       | 106.41      | 31.26 > 24                       |

## SPECTRUM PLOT OF WORST VALUE

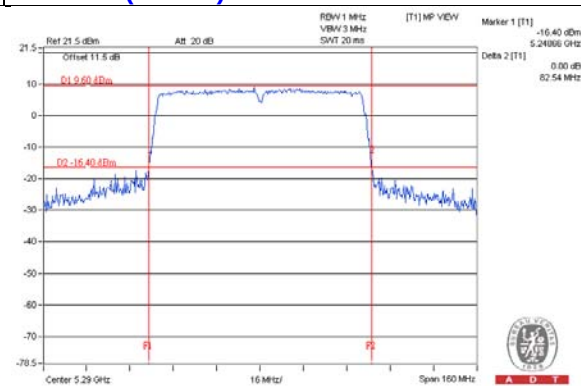
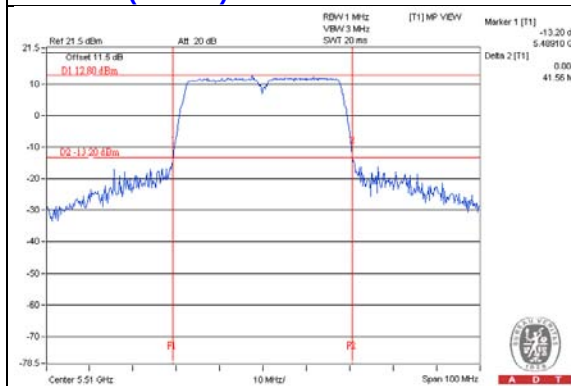
**802.11a: CH 144 (UNII-2C Band)**

**802.11ac (VHT20): CH 100**



**802.11ac (VHT40): CH 102**

**802.11ac (VHT80): CH 58**



### NOTE:

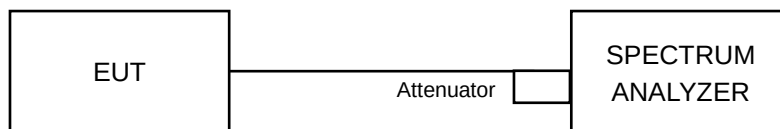
1. For CH144 (UNII-2C Band) = 5725 MHz - Marker 1

#### 4.4 Peak Power Spectral Density Measurement

##### 4.4.1 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 |

##### 4.4.2 Test Setup



##### 4.4.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

#### 4.4.4 Test Procedure

##### ※For U-NII-1, U-NII-2A & U-NII-2C:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW  $\geq$  3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to "free run".
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value and for duty cycle of test signal is < 98% add 10 log (1/duty cycle)

##### ※For U-NII-3:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW  $\geq$  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 and for duty cycle of test signal is < 98% add 10 log (1/duty cycle)

#### 4.4.5 Deviation from Test Standard

No deviation.

#### 4.4.6 EUT Operating Condition

Same as Item 4.3.6.

#### 4.4.7 Test Results (Mode 1)

3TX

CDD MODE

For U-NII-2A, U-NII-2C Band

802.11a

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 1 | Chain 2 |                              |                     |             |
| 52                    | 5260                 | 1.47      | 1.53    | 1.14    | 6.15                         | 7.01                | Pass        |
| 60                    | 5300                 | 1.51      | 1.72    | 1.72    | 6.42                         | 7.01                | Pass        |
| 64                    | 5320                 | 2.12      | 1.22    | 1.08    | 6.27                         | 7.01                | Pass        |
| 100                   | 5500                 | 1.53      | 0.94    | 2.01    | 6.29                         | 6.97                | Pass        |
| 116                   | 5580                 | 1.51      | 1.67    | 1.45    | 6.32                         | 6.97                | Pass        |
| 140                   | 5700                 | 1.24      | 1.68    | 2.03    | 6.43                         | 6.97                | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 0.85      | 1.95    | 1.64    | 6.28                         | 6.97                | 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.

2. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.99\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11 - (9.99 - 6) = 7.01\text{dBm}$ .

3. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.03\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11 - (10.03 - 6) = 6.97\text{dBm}$ .

802.11ac (VHT20)

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 1 | Chain 2 |                              |                     |             |
| 52                    | 5260                 | 1.36      | 1.41    | 0.79    | 5.97                         | 7.01                | Pass        |
| 60                    | 5300                 | 1.56      | 1.11    | 1.38    | 6.13                         | 7.01                | Pass        |
| 64                    | 5320                 | 1.38      | 1.54    | 1.27    | 6.17                         | 7.01                | Pass        |
| 100                   | 5500                 | 1.37      | 0.48    | 1.75    | 6.00                         | 6.97                | Pass        |
| 116                   | 5580                 | 1.10      | 0.75    | 1.75    | 5.99                         | 6.97                | Pass        |
| 140                   | 5700                 | 0.99      | 1.54    | 1.42    | 6.09                         | 6.97                | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 0.96      | 1.57    | 1.14    | 6.00                         | 6.97                | 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.

2. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.99\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11 - (9.99 - 6) = 7.01\text{dBm}$ .

3. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.03\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11 - (10.03 - 6) = 6.97\text{dBm}$ .

### 802.11ac (VHT40)

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 1 | Chain 2 |                              |                     |             |
| 54                    | 5270                 | 1.62      | 0.86    | 0.98    | 5.94                         | 7.01                | Pass        |
| 62                    | 5310                 | -4.21     | -4.16   | -4.46   | 0.50                         | 7.01                | Pass        |
| 102                   | 5510                 | -2.98     | -2.96   | -2.45   | 1.98                         | 6.97                | Pass        |
| 110                   | 5550                 | 1.47      | 1.57    | 1.42    | 6.26                         | 6.97                | Pass        |
| 134                   | 5670                 | 0.56      | 1.27    | 1.15    | 5.78                         | 6.97                | Pass        |
| 142 (UNII-2C<br>Band) | 5710                 | 0.79      | 1.30    | 1.06    | 5.83                         | 6.97                | 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.

2. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.99\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11 - (9.99 - 6) = 7.01\text{dBm}$ .

3. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.03\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11 - (10.03 - 6) = 6.97\text{dBm}$ .

### 802.11ac (VHT80)

| Chan.                 | Chan. Freq.<br>(MHz) | PSD W/O Duty Factor (dBm) |         |         | Duty Factor<br>(dB) | Total PSD<br>With Duty<br>Factor (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|---------------------------|---------|---------|---------------------|----------------------------------------|---------------------|-------------|
|                       |                      | Chain 0                   | Chain 1 | Chain 2 |                     |                                        |                     |             |
| 58                    | 5290                 | -7.52                     | -7.64   | -7.92   | 0.18                | -2.74                                  | 7.01                | Pass        |
| 106                   | 5530                 | -6.45                     | -6.78   | -6.27   | 0.18                | -1.54                                  | 6.97                | Pass        |
| 122                   | 5610                 | -1.27                     | -1.45   | -1.21   | 0.18                | 3.64                                   | 6.97                | Pass        |
| 138 (UNII-2C<br>Band) | 5690                 | -1.47                     | -1.06   | -1.25   | 0.18                | 3.69                                   | 6.97                | 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.

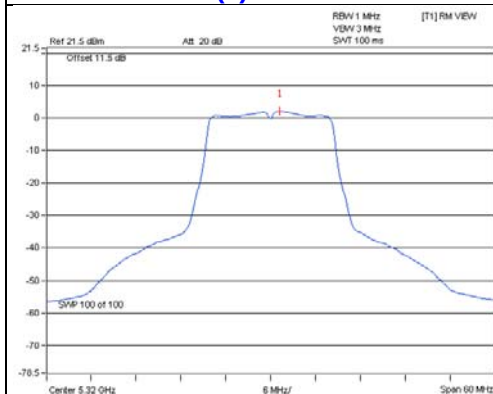
2. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.99\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11 - (9.99 - 6) = 7.01\text{dBm}$ .

3. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.03\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11 - (10.03 - 6) = 6.97\text{dBm}$ .

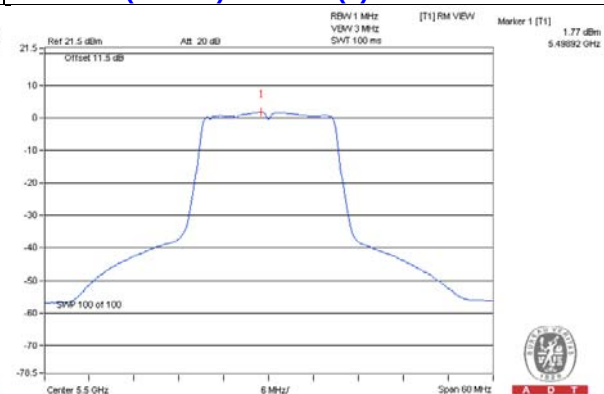
4. Refer to section 3.3 for duty cycle spectrum plot.

## SPECTRUM PLOT OF WORST VALUE

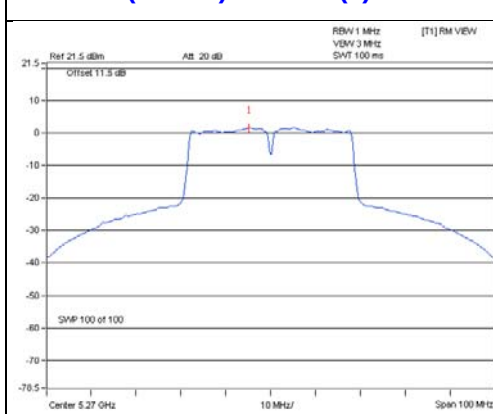
**802.11a – Chain (0): CH 64**



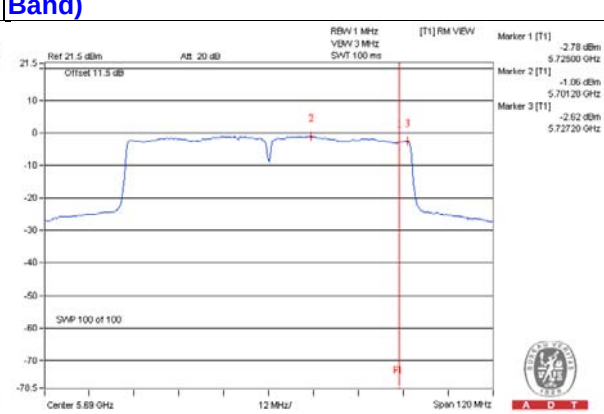
**802.11ac (VHT20) – Chain (2): CH 100**



**802.11ac (VHT40) – Chain (0): CH 54**



**802.11ac (VHT80) – Chain (1): CH 138 (UNII-2C Band)**



### For U-NII-3 Band 802.11a

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=3) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 144 (UNII-3 Band) | 5720            | -8.19            | -5.97            | 4.77            | -1.20                  | 25.86              | Pass       |
| 1        | 144 (UNII-3 Band) | 5720            | -7.10            | -4.88            | 4.77            | -0.11                  | 25.86              | Pass       |
| 2        | 144 (UNII-3 Band) | 5720            | -7.41            | -5.19            | 4.77            | -0.42                  | 25.86              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.14\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30 - (10.14 - 6) = 25.86\text{dBm}$ .

### 802.11ac (VHT20)

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=3) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 144 (UNII-3 Band) | 5720            | -8.07            | -5.85            | 4.77            | -1.08                  | 25.86              | Pass       |
| 1        | 144 (UNII-3 Band) | 5720            | -7.50            | -5.28            | 4.77            | -0.51                  | 25.86              | Pass       |
| 2        | 144 (UNII-3 Band) | 5720            | -7.69            | -5.47            | 4.77            | -0.70                  | 25.86              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.14\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30 - (10.14 - 6) = 25.86\text{dBm}$ .



### 802.11ac (VHT40)

| TX Chain | Channel            | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=3) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 142 (UNII-2C Band) | 5710            | -8.76            | -6.54            | 4.77            | -1.77                  | 25.86              | Pass       |
| 1        | 142 (UNII-2C Band) | 5710            | -8.18            | -5.96            | 4.77            | -1.19                  | 25.86              | Pass       |
| 2        | 142 (UNII-2C Band) | 5710            | -8.29            | -6.07            | 4.77            | -1.30                  | 25.86              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.14\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30 - (10.14 - 6) = 25.86\text{dBm}$ .

### 802.11ac (VHT80)

| TX chain | Chan.              | Chan. Freq. (MHz) | PSD W/O Duty Factor |              | 10 log (N=3) dB | Duty Factor (dB) | Total PSD With Duty Factor (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-------------------|---------------------|--------------|-----------------|------------------|-----------------------------------------|--------------------|------------|
|          |                    |                   | (dBm/300kHz)        | (dBm/500kHz) |                 |                  |                                         |                    |            |
| 0        | 138 (UNII-2C Band) | 5690              | -11.33              | -9.11        | 4.77            | 0.18             | -4.16                                   | 25.86              | Pass       |
| 1        | 138 (UNII-2C Band) | 5690              | -11.04              | -8.82        | 4.77            | 0.18             | -3.87                                   | 25.86              | Pass       |
| 2        | 138 (UNII-2C Band) | 5690              | -11.20              | -8.98        | 4.77            | 0.18             | -4.03                                   | 25.86              | Pass       |

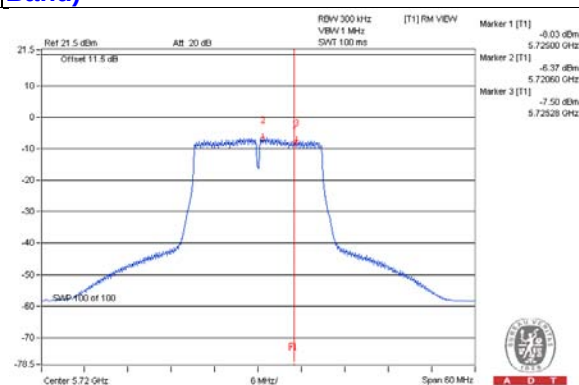
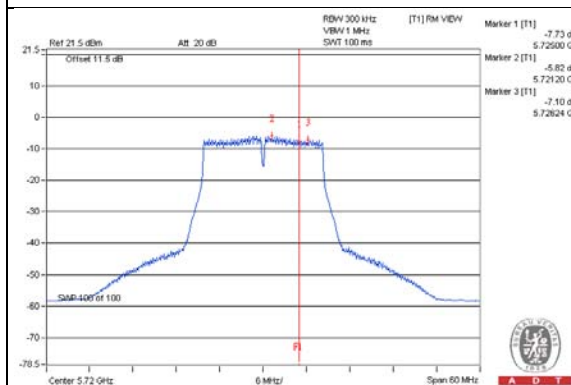
**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10.14\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30 - (10.14 - 6) = 25.86\text{dBm}$ .

2. Refer to section 3.3 for duty cycle spectrum plot.

## SPECTRUM PLOT OF WORST VALUE

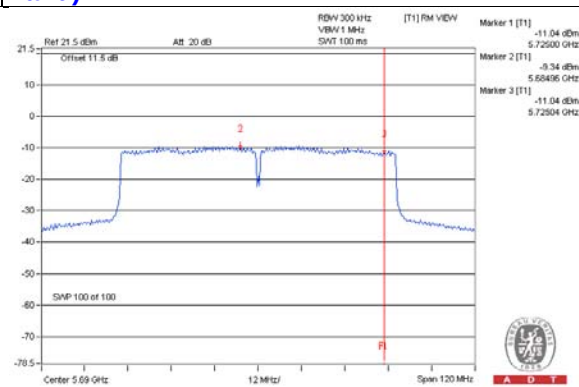
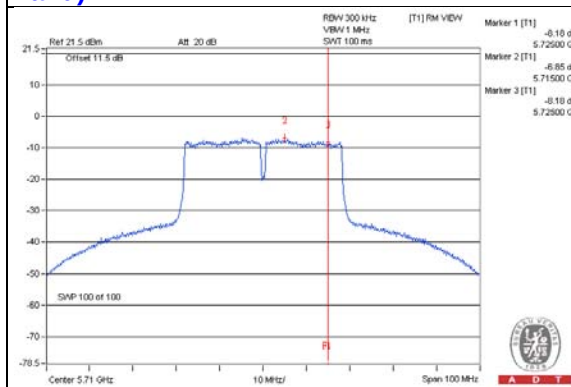
802.11a – Chain (1): CH 144 (UNII-3 Band)

802.11ac (VHT20) – Chain (1): CH 144 (UNII-3 Band)



802.11ac (VHT40) – Chain (1): CH 142 (UNII-3 Band)

802.11ac (VHT80) – Chain (1): CH 138 (UNII-3 Band)



2TX  
CDD MODE  
For U-NII-2A Band  
802.11a

| Chan. | Chan. Freq.<br>(MHz) | PSD (dBm) |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-------|----------------------|-----------|---------|------------------------------|---------------------|-------------|
|       |                      | Chain 1   | Chain 2 |                              |                     |             |
| 52    | 5260                 | 3.28      | 2.81    | 6.06                         | 8.68                | Pass        |
| 60    | 5300                 | 3.73      | 3.07    | 6.42                         | 8.68                | Pass        |
| 64    | 5320                 | 3.61      | 3.28    | 6.46                         | 8.68                | 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.
2. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11 - (8.32 - 6) = 8.68\text{dBm}$ .

802.11ac (VHT20)

| Chan. | Chan. Freq.<br>(MHz) | PSD (dBm) |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-------|----------------------|-----------|---------|------------------------------|---------------------|-------------|
|       |                      | Chain 1   | Chain 2 |                              |                     |             |
| 52    | 5260                 | 3.17      | 2.49    | 5.85                         | 8.68                | Pass        |
| 60    | 5300                 | 3.23      | 2.87    | 6.06                         | 8.68                | Pass        |
| 64    | 5320                 | 3.28      | 2.90    | 6.10                         | 8.68                | 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.
2. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11 - (8.32 - 6) = 8.68\text{dBm}$ .

#### 802.11ac (VHT40)

| Chan. | Chan. Freq.<br>(MHz) | PSD (dBm) |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-------|----------------------|-----------|---------|------------------------------|---------------------|-------------|
|       |                      | Chain 1   | Chain 2 |                              |                     |             |
| 54    | 5270                 | 2.01      | 1.98    | 5.01                         | 8.68                | Pass        |
| 62    | 5310                 | -4.81     | -4.83   | -1.81                        | 8.68                | 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.

2. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(8.32-6) = 8.68\text{dBm}$ .

#### 802.11ac (VHT80)

| Chan. | Chan. Freq.<br>(MHz) | PSD W/O Duty Factor (dBm) |         | Duty Factor<br>(dB) | Total PSD<br>With Duty<br>Factor (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-------|----------------------|---------------------------|---------|---------------------|----------------------------------------|---------------------|-------------|
|       |                      | Chain 1                   | Chain 2 |                     |                                        |                     |             |
| 58    | 5290                 | -8.65                     | -8.68   | 0.18                | -5.48                                  | 8.68                | Pass        |

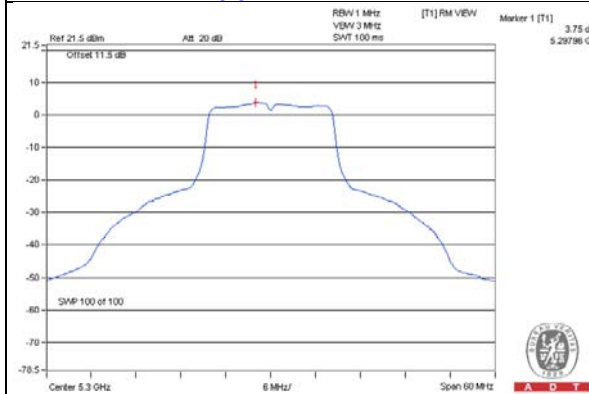
**NOTE:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(8.32-6) = 8.68\text{dBm}$ .

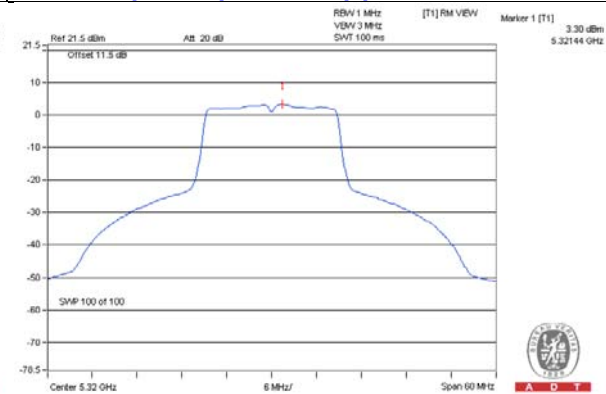
4. Refer to section 3.3 for duty cycle spectrum plot.

## SPECTRUM PLOT OF WORST VALUE

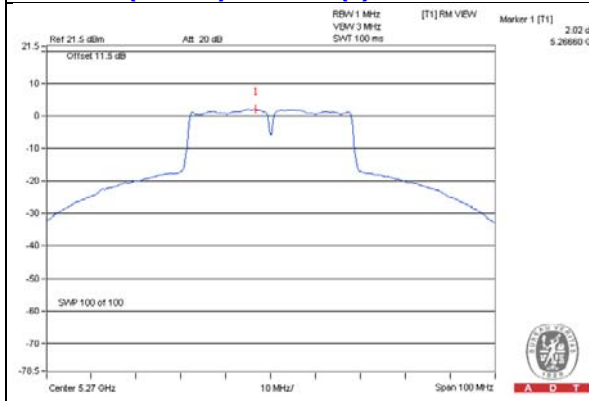
802.11a – Chain (1): CH 60



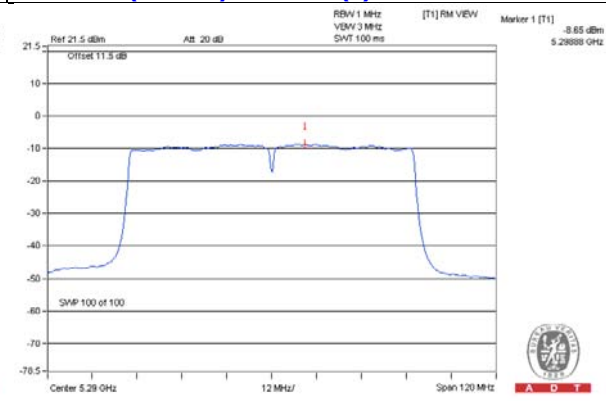
802.11ac (VHT20) – Chain (1): CH 64



802.11ac (VHT40) – Chain (1): CH 54



802.11ac (VHT80) – Chain (1): CH 58



**For U-NII-2C Band**  
**802.11a**

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 2 |                              |                     |             |
| 100                   | 5500                 | 4.71      | 4.66    | 7.70                         | 8.68                | Pass        |
| 116                   | 5580                 | 5.40      | 4.91    | 8.17                         | 8.68                | Pass        |
| 140                   | 5700                 | 3.95      | 3.56    | 6.77                         | 8.68                | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 4.88      | 4.38    | 7.65                         | 8.68                | 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.
2. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $11-(8.32-6) = 8.68\text{dBm}$ .

**802.11ac (VHT20)**

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 2 |                              |                     |             |
| 100                   | 5500                 | 5.10      | 4.64    | 7.89                         | 8.68                | Pass        |
| 116                   | 5580                 | 4.92      | 4.51    | 7.73                         | 8.68                | Pass        |
| 140                   | 5700                 | 1.32      | 1.12    | 4.23                         | 8.68                | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 4.54      | 4.13    | 7.35                         | 8.68                | 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.
2. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $11-(8.32-6) = 8.68\text{dBm}$ .

#### 802.11ac (VHT40)

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 2 |                              |                     |             |
| 102                   | 5510                 | -3.19     | -3.40   | -0.28                        | 8.68                | Pass        |
| 110                   | 5550                 | 4.31      | 3.75    | 7.05                         | 8.68                | Pass        |
| 134                   | 5670                 | 0.51      | 0.05    | 3.30                         | 8.68                | Pass        |
| 142 (UNII-2C<br>Band) | 5710                 | 3.90      | 3.48    | 6.71                         | 8.68                | 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.
2. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $11-(8.32-6) = 8.68\text{dBm}$ .

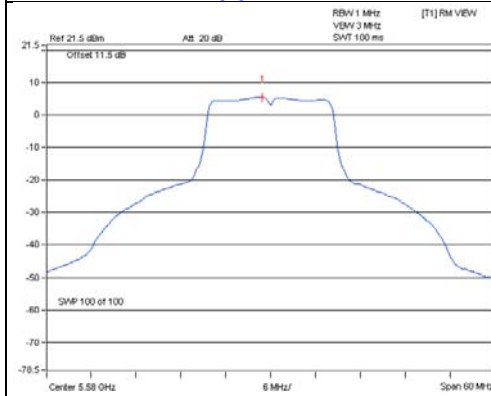
#### 802.11ac (VHT80)

| Chan.                 | Chan. Freq.<br>(MHz) | PSD W/O Duty Factor (dBm) |         | Duty Factor<br>(dB) | Total PSD<br>With Duty<br>Factor (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|---------------------------|---------|---------------------|----------------------------------------|---------------------|-------------|
|                       |                      | Chain 0                   | Chain 2 |                     |                                        |                     |             |
| 106                   | 5530                 | -7.52                     | -7.63   | 0.18                | -4.39                                  | 8.68                | Pass        |
| 122                   | 5610                 | -1.93                     | -2.22   | 0.18                | 1.11                                   | 8.68                | Pass        |
| 138 (UNII-2C<br>Band) | 5690                 | -0.65                     | -0.78   | 0.18                | 2.47                                   | 8.68                | Pass        |

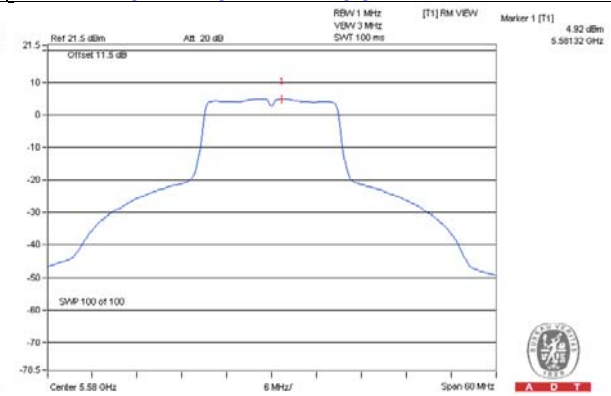
- NOTE:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.32\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $11-(8.32-6) = 8.68\text{dBm}$ .
3. Refer to section 3.3 for duty cycle spectrum plot.

## SPECTRUM PLOT OF WORST VALUE

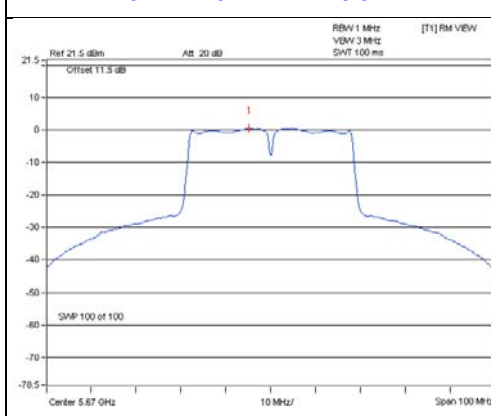
**802.11a – Chain (0): CH 116**



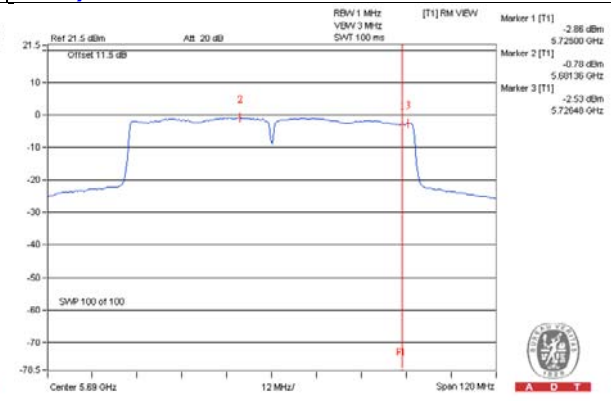
**802.11ac (VHT20) – Chain (0): CH 116**



**802.11ac (VHT40) – Chain (0): CH 46**



**802.11ac (VHT80) – Chain (2): CH 138 (UNII-2C Band)**





**For U-NII-3 Band**  
**802.11a**

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=2) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 144 (UNII-3 Band) | 5720            | -3.78            | -1.56            | 3.01            | 1.45                   | 27.60              | Pass       |
| 2        | 144 (UNII-3 Band) | 5720            | -3.74            | -1.52            | 3.01            | 1.49                   | 27.60              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.4\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30-(8.4-6) = 27.60\text{dBm}$ .

**802.11ac (VHT20)**

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=2) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 144 (UNII-3 Band) | 5720            | -3.97            | -1.75            | 3.01            | 1.26                   | 27.60              | Pass       |
| 2        | 144 (UNII-3 Band) | 5720            | -4.18            | -1.96            | 3.01            | 1.05                   | 27.60              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.4\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30-(8.4-6) = 27.60\text{dBm}$ .

### 802.11ac (VHT40)

| TX Chain | Channel            | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=2) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 142 (UNII-2C Band) | 5710            | -5.16            | -2.94            | 3.01            | 0.07                   | 27.60              | Pass       |
| 2        | 142 (UNII-2C Band) | 5710            | -5.44            | -3.22            | 3.01            | -0.21                  | 27.60              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.4\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30 - (8.4 - 6) = 27.60\text{dBm}$ .

### 802.11ac (VHT80)

| TX chain | Chan.              | Chan. Freq. (MHz) | PSD W/O Duty Factor |              | 10 log (N=2) dB | Duty Factor (dB) | Total PSD With Duty Factor (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-------------------|---------------------|--------------|-----------------|------------------|-----------------------------------------|--------------------|------------|
|          |                    |                   | (dBm/300kHz)        | (dBm/500kHz) |                 |                  |                                         |                    |            |
| 0        | 138 (UNII-2C Band) | 5690              | -10.40              | -8.18        | 3.01            | 0.18             | -4.99                                   | 27.60              | Pass       |
| 2        | 138 (UNII-2C Band) | 5690              | -10.41              | -8.19        | 3.01            | 0.18             | -5.00                                   | 27.60              | Pass       |

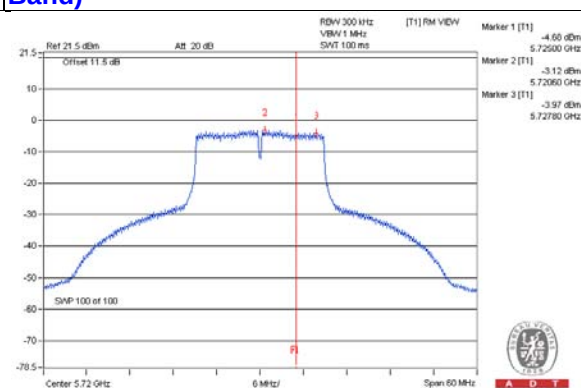
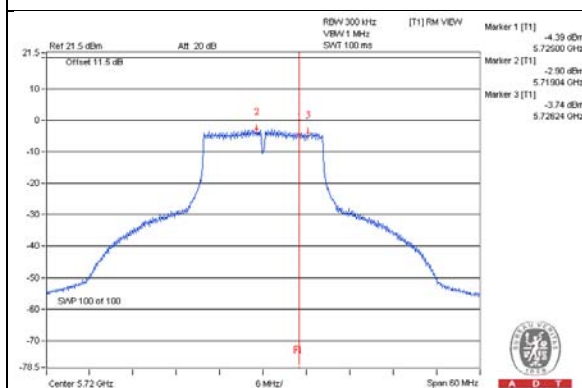
**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.4\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30 - (8.4 - 6) = 27.60\text{dBm}$ .

2. Refer to section 3.3 for duty cycle spectrum plot.

## SPECTRUM PLOT OF WORST VALUE

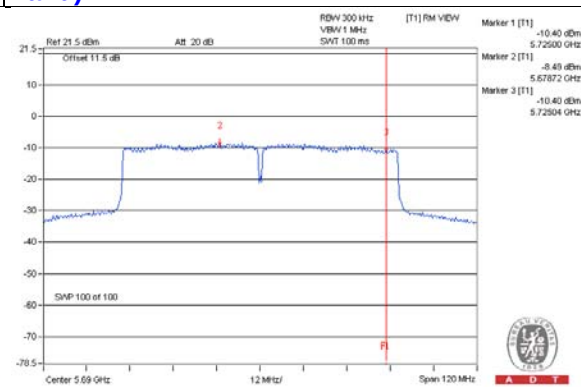
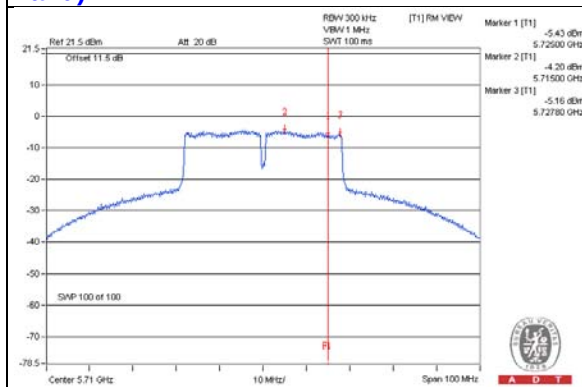
802.11a – Chain (2): CH 144 (UNII-3 Band)

802.11ac (VHT20) – Chain (0): CH 144 (UNII-3 Band)



802.11ac (VHT40) – Chain (0): CH 142 (UNII-3 Band)

802.11ac (VHT80) – Chain (0): CH 138 (UNII-3 Band)



1TX  
 For U-NII-2A, U-NII-2C Band  
 Chain 2  
 802.11a

| Chan.              | Chan. Freq. (MHz) | PSD (dBm/MHz) | MAX. Limit (dBm/MHz) | Pass / Fail |
|--------------------|-------------------|---------------|----------------------|-------------|
| 52                 | 5260              | 5.88          | 11                   | Pass        |
| 60                 | 5300              | 5.22          | 11                   | Pass        |
| 64                 | 5320              | 4.03          | 11                   | Pass        |
| 100                | 5500              | 5.20          | 11                   | Pass        |
| 116                | 5580              | 5.84          | 11                   | Pass        |
| 140                | 5700              | 3.53          | 11                   | Pass        |
| 144 (UNII-2C Band) | 5720              | 6.38          | 11                   | Pass        |

802.11ac (VHT20)

| Chan.              | Chan. Freq. (MHz) | PSD (dBm/MHz) | MAX. Limit (dBm/MHz) | Pass / Fail |
|--------------------|-------------------|---------------|----------------------|-------------|
| 52                 | 5260              | 4.78          | 11                   | Pass        |
| 60                 | 5300              | 4.37          | 11                   | Pass        |
| 64                 | 5320              | 3.10          | 11                   | Pass        |
| 100                | 5500              | 4.84          | 11                   | Pass        |
| 116                | 5580              | 5.50          | 11                   | Pass        |
| 140                | 5700              | 1.21          | 11                   | Pass        |
| 144 (UNII-2C Band) | 5720              | 6.20          | 11                   | Pass        |

#### 802.11ac (VHT40)

| Chan.              | Chan. Freq.<br>(MHz) | PSD (dBm/MHz) | MAX. Limit (dBm/MHz) | Pass / Fail |
|--------------------|----------------------|---------------|----------------------|-------------|
| 54                 | 5270                 | 2.05          | 11                   | Pass        |
| 62                 | 5310                 | -4.66         | 11                   | Pass        |
| 102                | 5510                 | -3.30         | 11                   | Pass        |
| 110                | 5500                 | 4.02          | 11                   | Pass        |
| 134                | 5670                 | 0.41          | 11                   | Pass        |
| 142 (UNII-2C Band) | 5710                 | 3.55          | 11                   | Pass        |

#### 802.11ac (VHT80)

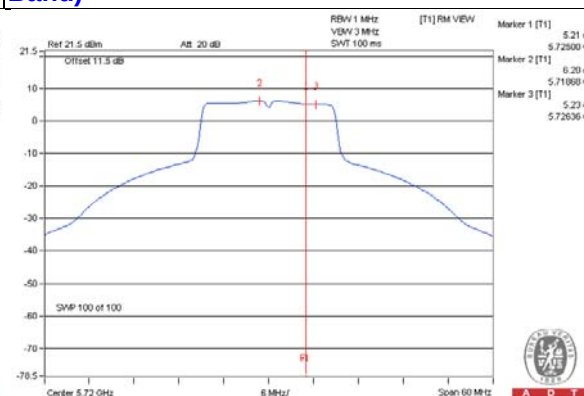
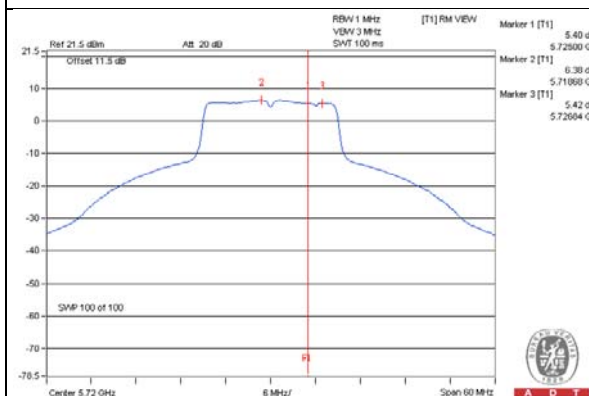
| Chan.              | Chan. Freq.<br>(MHz) | PSD W/O Duty<br>Factor<br>(dBm/MHz) | Duty Factor<br>(dB) | PSD With Duty<br>Factor<br>(dBm/MHz) | MAX. Limit<br>(dBm/MHz) | Pass / Fail |
|--------------------|----------------------|-------------------------------------|---------------------|--------------------------------------|-------------------------|-------------|
| 58                 | 5290                 | -8.15                               | 0.18                | -7.98                                | 11                      | Pass        |
| 106                | 5530                 | -7.75                               | 0.18                | -7.57                                | 11                      | Pass        |
| 122                | 5610                 | -2.05                               | 0.18                | -1.87                                | 11                      | Pass        |
| 138 (UNII-2C Band) | 5690                 | -1.11                               | 0.18                | -0.93                                | 11                      | Pass        |

**Note:** Refer to section 3.3 for duty cycle spectrum plot.

# SPECTRUM PLOT OF WORST VALUE

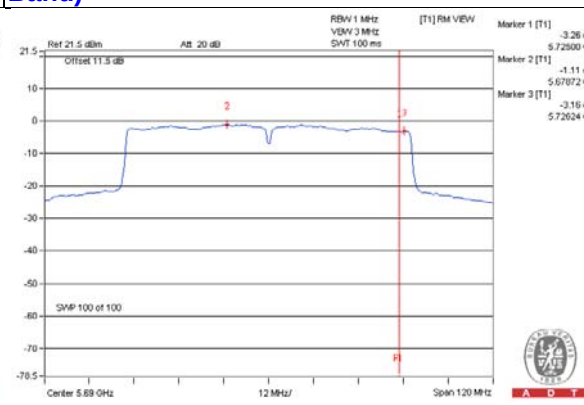
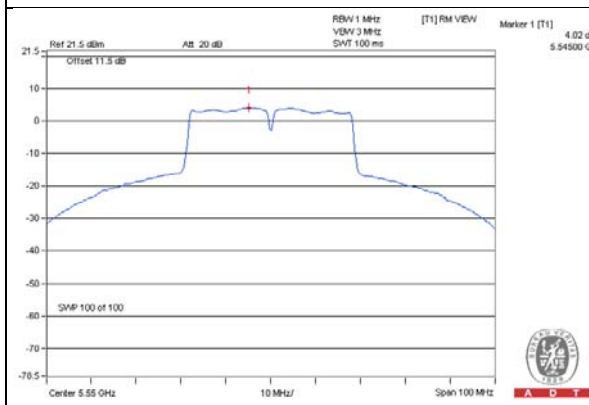
802.11a – Chain (2): CH 144 (UNII-2C Band)

802.11ac (VHT20) –Chain (2): CH 144 (UNII-2C Band)



802.11ac (VHT40) – Chain (2): CH 110

802.11ac (VHT80) – Chain (2): CH 138 (UNII-2C Band)



**For U-NII-3 Band**  
**802.11a**

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|------------------------|--------------------|------------|
| 2        | 144 (UNII-3 Band) | 5720            | -1.79            | 0.43             | 0.43                   | 30                 | Pass       |

**802.11ac (VHT20)**

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|------------------------|--------------------|------------|
| 2        | 144 (UNII-3 Band) | 5720            | -2.03            | 0.19             | 0.19                   | 30                 | Pass       |

**802.11ac (VHT40)**

| TX Chain | Channel            | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-----------------|------------------|------------------|------------------------|--------------------|------------|
| 2        | 142 (UNII-2C Band) | 5710            | -5.44            | -3.22            | -3.22                  | 30                 | Pass       |

**802.11ac (VHT80)**

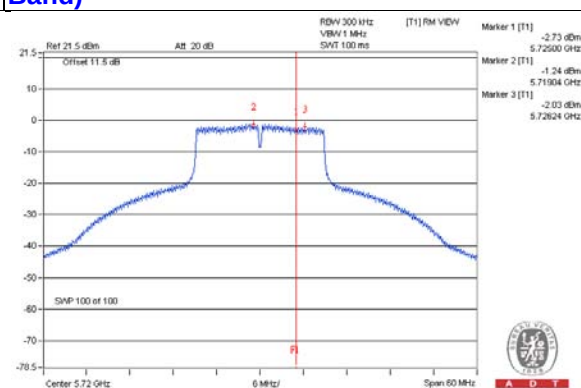
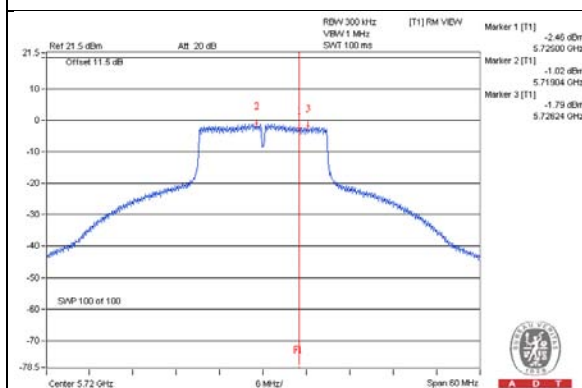
| TX chain | Chan.              | Chan. Freq. (MHz) | PSD W/O Duty Factor |              | Duty Factor (dB) | Total PSD With Duty Factor (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-------------------|---------------------|--------------|------------------|-----------------------------------------|--------------------|------------|
|          |                    |                   | (dBm/300kHz)        | (dBm/500kHz) |                  |                                         |                    |            |
| 2        | 138 (UNII-2C Band) | 5690              | -10.91              | -8.69        | 0.18             | -8.51                                   | 30                 | Pass       |

**NOTE:** Refer to section 3.3 for duty cycle spectrum plot.

## SPECTRUM PLOT OF WORST VALUE

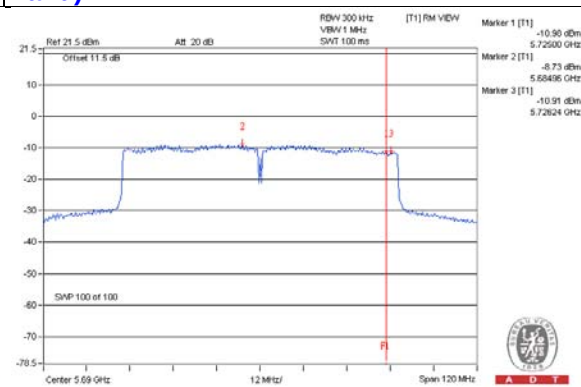
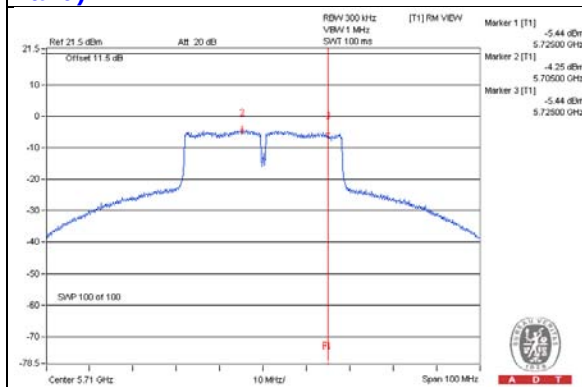
802.11a – Chain (2): CH 144 (UNII-3 Band)

802.11ac (VHT20) – Chain (2): CH 144 (UNII-3 Band)



802.11ac (VHT40) – Chain (2): CH 142 (UNII-3 Band)

802.11ac (VHT80) – Chain (2): CH 138 (UNII-3 Band)





#### 4.4.8 Test Results (Mode 2)

3TX

CDD MODE

For U-NII-2A, U-NII-2C Band

802.11a

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 1 | Chain 2 |                              |                     |             |
| 52                    | 5260                 | 1.32      | -0.24   | 0.84    | 5.46                         | 7.11                | Pass        |
| 60                    | 5300                 | 1.63      | 0.10    | 1.11    | 5.76                         | 7.11                | Pass        |
| 64                    | 5320                 | 1.70      | 0.04    | 0.82    | 5.68                         | 7.11                | Pass        |
| 100                   | 5500                 | 1.60      | 0.11    | 0.89    | 5.68                         | 7.00                | Pass        |
| 116                   | 5580                 | 1.51      | -0.23   | 0.63    | 5.47                         | 7.00                | Pass        |
| 140                   | 5700                 | 1.53      | 0.07    | 0.86    | 5.63                         | 7.00                | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 1.57      | 0.36    | 1.18    | 5.84                         | 7.00                | 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.
2. For 5260~5320MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.89\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(9.89-6) = 7.11\text{dBm}$ .
3. For 5500~5720MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(10-6) = 7.00\text{dBm}$ .

#### 802.11ac (VHT20)

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 1 | Chain 2 |                              |                     |             |
| 52                    | 5260                 | 1.04      | -0.63   | 0.77    | 5.22                         | 7.11                | Pass        |
| 60                    | 5300                 | 1.10      | -0.32   | 0.68    | 5.30                         | 7.11                | Pass        |
| 64                    | 5320                 | 1.16      | -0.42   | 0.63    | 5.28                         | 7.11                | Pass        |
| 100                   | 5500                 | 1.38      | -0.30   | 0.51    | 5.36                         | 7.00                | Pass        |
| 116                   | 5580                 | 1.08      | -0.37   | 0.07    | 5.07                         | 7.00                | Pass        |
| 140                   | 5700                 | 1.06      | -0.23   | 0.74    | 5.33                         | 7.00                | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 1.14      | -0.21   | 0.83    | 5.40                         | 7.00                | 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.
2. For 5260~5320MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.89\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(9.89-6) = 7.11\text{dBm}$ .
3. For 5500~5720MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(10-6) = 7.00\text{dBm}$ .

#### 802.11ac (VHT40)

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 1 | Chain 2 |                              |                     |             |
| 54                    | 5270                 | 0.83      | -0.58   | 0.72    | 5.14                         | 7.11                | Pass        |
| 62                    | 5310                 | -0.85     | -2.18   | -1.05   | 3.45                         | 7.11                | Pass        |
| 102                   | 5510                 | -0.38     | -1.03   | -0.73   | 4.07                         | 7.00                | Pass        |
| 110                   | 5550                 | 0.59      | 0.13    | 0.69    | 5.25                         | 7.00                | Pass        |
| 134                   | 5670                 | 0.67      | -0.04   | 0.37    | 5.11                         | 7.00                | Pass        |
| 142 (UNII-2C<br>Band) | 5710                 | 0.76      | 0.43    | 0.67    | 5.39                         | 7.00                | 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.
2. For 5270~5310MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.89\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(9.89-6) = 7.11\text{dBm}$ .
3. For 5510~5710MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(10-6) = 7.00\text{dBm}$ .

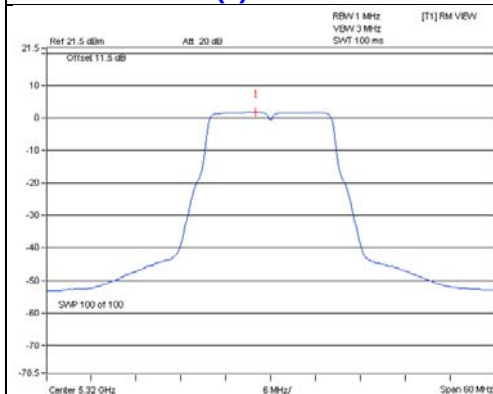
#### 802.11ac (VHT80)

| Chan.                 | Chan. Freq.<br>(MHz) | PSD W/O Duty Factor (dBm) |         |         | Duty Factor<br>(dB) | Total PSD<br>With Duty<br>Factor (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|---------------------------|---------|---------|---------------------|----------------------------------------|---------------------|-------------|
|                       |                      | Chain 0                   | Chain 1 | Chain 2 |                     |                                        |                     |             |
| 58                    | 5290                 | -5.96                     | -6.78   | -6.25   | 0.18                | -1.37                                  | 7.11                | Pass        |
| 106                   | 5530                 | -3.77                     | -5.42   | -4.88   | 0.18                | 0.32                                   | 7.00                | Pass        |
| 122                   | 5610                 | -2.07                     | -2.92   | -2.75   | 0.18                | 2.39                                   | 7.00                | Pass        |
| 138 (UNII-2C<br>Band) | 5690                 | -1.26                     | -1.62   | -1.28   | 0.18                | 3.57                                   | 7.00                | Pass        |

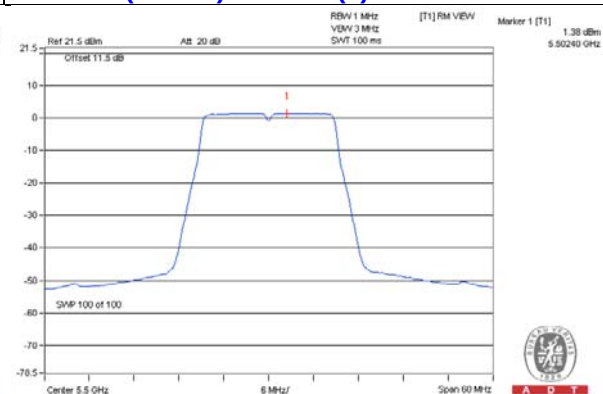
- NOTE:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For 5290MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.89\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(9.89-6) = 7.11\text{dBm}$ .
3. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 10\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(10-6) = 7.00\text{dBm}$ .
4. Refer to section 3.3 for duty cycle spectrum plot.

## SPECTRUM PLOT OF WORST VALUE

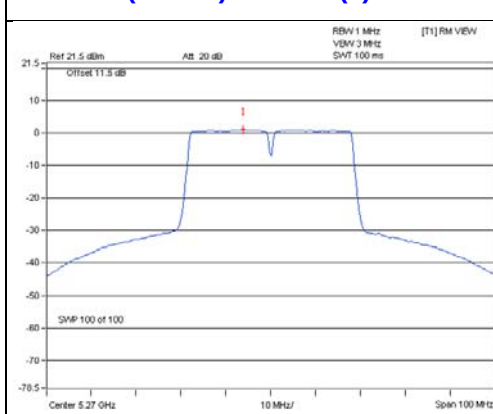
**802.11a – Chain (0): CH 64**



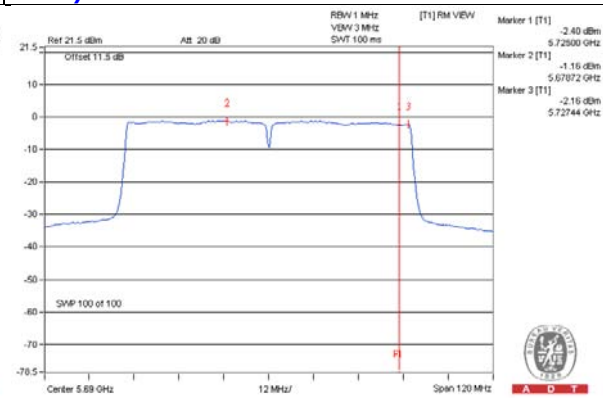
**802.11ac (VHT20) – Chain (0): CH 100**



**802.11ac (VHT40) – Chain (0): CH 54**



**802.11ac (VHT80) – Chain (0): CH 138 (UNII-2C Band)**



**For U-NII-3 Band**  
**802.11a**

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=3) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 144 (UNII-3 Band) | 5720            | -6.47            | -4.25            | 4.77            | 0.52                   | 26.03              | Pass       |
| 1        | 144 (UNII-3 Band) | 5720            | -7.57            | -5.35            | 4.77            | -0.58                  | 26.03              | Pass       |
| 2        | 144 (UNII-3 Band) | 5720            | -6.81            | -4.59            | 4.77            | 0.18                   | 26.03              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.97\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30-(9.97-6) = 26.03\text{dBm}$ .

**802.11ac (VHT20)**

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=3) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 144 (UNII-3 Band) | 5720            | -7.04            | -4.82            | 4.77            | -0.05                  | 26.03              | Pass       |
| 1        | 144 (UNII-3 Band) | 5720            | -8.09            | -5.87            | 4.77            | -1.10                  | 26.03              | Pass       |
| 2        | 144 (UNII-3 Band) | 5720            | -7.34            | -5.12            | 4.77            | -0.35                  | 26.03              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.97\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30-(9.97-6) = 26.03\text{dBm}$ .

### 802.11ac (VHT40)

| TX Chain | Channel            | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=3) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 142 (UNII-2C Band) | 5710            | -7.97            | -5.75            | 4.77            | -0.98                  | 26.03              | Pass       |
| 1        | 142 (UNII-2C Band) | 5710            | -8.13            | -5.91            | 4.77            | -1.14                  | 26.03              | Pass       |
| 2        | 142 (UNII-2C Band) | 5710            | -7.93            | -5.71            | 4.77            | -0.94                  | 26.03              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.97\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30 - (9.97 - 6) = 26.03\text{dBm}$ .

### 802.11ac (VHT80)

| TX chain | Chan.              | Chan. Freq. (MHz) | PSD W/O Duty Factor |              | 10 log (N=3) dB | Duty Factor (dB) | Total PSD With Duty Factor (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-------------------|---------------------|--------------|-----------------|------------------|-----------------------------------------|--------------------|------------|
|          |                    |                   | (dBm/300kHz)        | (dBm/500kHz) |                 |                  |                                         |                    |            |
| 0        | 138 (UNII-2C Band) | 5690              | -10.43              | -8.21        | 4.77            | 0.18             | -3.26                                   | 26.03              | Pass       |
| 1        | 138 (UNII-2C Band) | 5690              | -10.89              | -8.67        | 4.77            | 0.18             | -3.72                                   | 26.03              | Pass       |
| 2        | 138 (UNII-2C Band) | 5690              | -10.66              | -8.44        | 4.77            | 0.18             | -3.49                                   | 26.03              | Pass       |

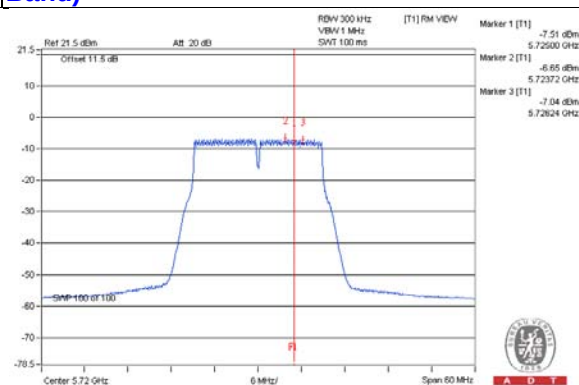
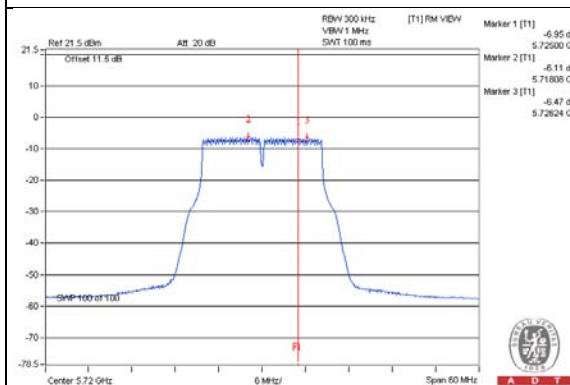
**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20})^2 / 3] = 9.97\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30 - (9.97 - 6) = 26.03\text{dBm}$ .

2. Refer to section 3.3 for duty cycle spectrum plot.

## SPECTRUM PLOT OF WORST VALUE

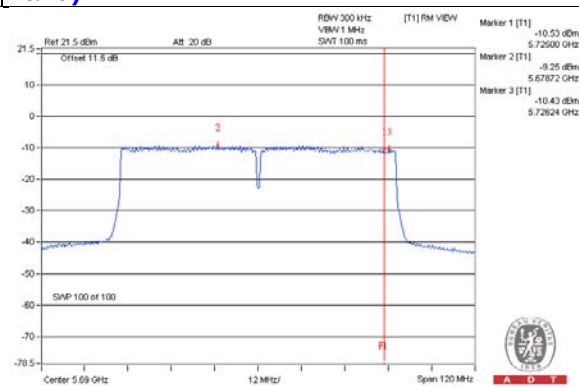
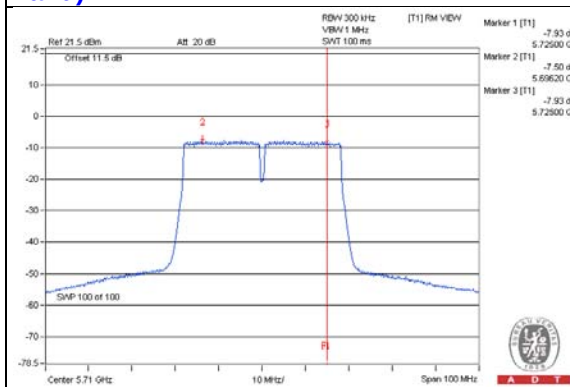
802.11a – Chain (0): CH 144 (UNII-3 Band)

802.11ac (VHT20) – Chain (0): CH 144 (UNII-3 Band)



802.11ac (VHT40) – Chain (2): CH 142 (UNII-3 Band)

802.11ac (VHT80) – Chain (0): CH 138 (UNII-3 Band)



2TX  
CDD MODE  
For U-NII-2A, U-NII-2C Band  
802.11a

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 1 |                              |                     |             |
| 52                    | 5260                 | 5.37      | 3.57    | 7.57                         | 8.48                | Pass        |
| 60                    | 5300                 | 5.44      | 3.80    | 7.71                         | 8.48                | Pass        |
| 64                    | 5320                 | 5.28      | 3.78    | 7.60                         | 8.48                | Pass        |
| 100                   | 5500                 | 5.32      | 3.59    | 7.55                         | 8.58                | Pass        |
| 116                   | 5580                 | 5.40      | 3.86    | 7.71                         | 8.58                | Pass        |
| 140                   | 5700                 | 5.43      | 3.92    | 7.75                         | 8.58                | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 5.37      | 3.79    | 7.66                         | 8.58                | 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.

2. For 5260~5320MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.52\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(8.52-6) = 8.48\text{dBm}$ .

3. For 5500~5720MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.42\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(8.52-6) = 8.48\text{dBm}$ .

802.11ac (VHT20)

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 1 |                              |                     |             |
| 52                    | 5260                 | 4.90      | 3.40    | 7.22                         | 8.48                | Pass        |
| 60                    | 5300                 | 4.94      | 3.57    | 7.32                         | 8.48                | Pass        |
| 64                    | 5320                 | 5.03      | 3.76    | 7.45                         | 8.48                | Pass        |
| 100                   | 5500                 | 4.89      | 3.32    | 7.19                         | 8.58                | Pass        |
| 116                   | 5580                 | 5.07      | 3.25    | 7.26                         | 8.58                | Pass        |
| 140                   | 5700                 | 5.08      | 3.29    | 7.29                         | 8.58                | Pass        |
| 144 (UNII-2C<br>Band) | 5720                 | 4.96      | 3.09    | 7.14                         | 8.58                | 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.

2. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.52\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(8.52-6) = 8.48\text{dBm}$ .

3. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.42\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(8.42-6) = 8.58\text{dBm}$ .

#### 802.11ac (VHT40)

| Chan.                 | Chan. Freq.<br>(MHz) | PSD (dBm) |         | Total Power<br>Density (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|-----------|---------|------------------------------|---------------------|-------------|
|                       |                      | Chain 0   | Chain 1 |                              |                     |             |
| 54                    | 5270                 | 3.79      | 2.80    | 6.33                         | 8.48                | Pass        |
| 62                    | 5310                 | -0.01     | -1.11   | 2.49                         | 8.48                | Pass        |
| 102                   | 5510                 | 0.92      | -0.02   | 3.49                         | 8.58                | Pass        |
| 110                   | 5550                 | 3.98      | 3.26    | 6.65                         | 8.58                | Pass        |
| 134                   | 5670                 | 1.64      | 0.80    | 4.25                         | 8.58                | Pass        |
| 142 (UNII-2C<br>Band) | 5710                 | 4.18      | 3.28    | 6.76                         | 8.58                | 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.
2. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.52\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(8.52-6) = 8.48\text{dBm}$ .
3. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.42\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(8.42-6) = 8.58\text{dBm}$ .

#### 802.11ac (VHT80)

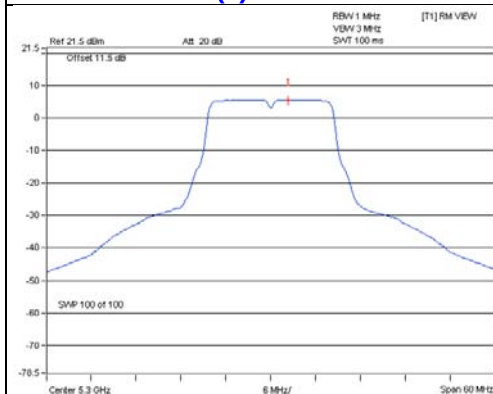
| Chan.                 | Chan. Freq.<br>(MHz) | PSD W/O Duty Factor (dBm) |         | Duty Factor<br>(dB) | Total PSD<br>With Duty<br>Factor (dBm) | MAX. Limit<br>(dBm) | Pass / Fail |
|-----------------------|----------------------|---------------------------|---------|---------------------|----------------------------------------|---------------------|-------------|
|                       |                      | Chain 0                   | Chain 1 |                     |                                        |                     |             |
| 58                    | 5290                 | -2.98                     | -4.03   | 0.18                | -0.28                                  | 8.48                | Pass        |
| 106                   | 5530                 | -2.20                     | -3.79   | 0.18                | 0.27                                   | 8.58                | Pass        |
| 122                   | 5610                 | -0.87                     | -1.36   | 0.18                | 2.08                                   | 8.58                | Pass        |
| 138 (UNII-2C<br>Band) | 5690                 | 0.75                      | 0.45    | 0.18                | 3.79                                   | 8.58                | 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.
2. For U-NII-2A: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.52\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(8.52-6) = 8.48\text{dBm}$ .
3. For U-NII-2C: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.42\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $11-(8.42-6) = 8.58\text{dBm}$ .

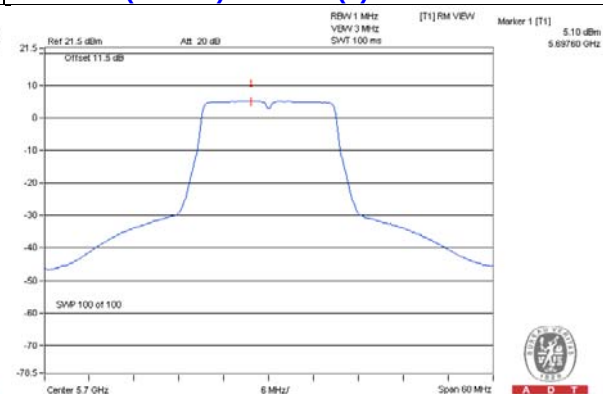


## SPECTRUM PLOT OF WORST VALUE

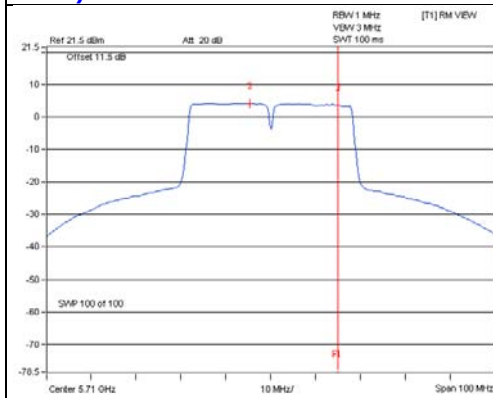
**802.11a – Chain (0): CH 60**



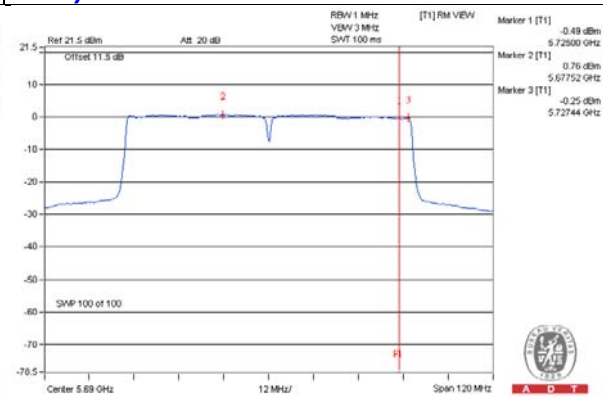
**802.11ac (VHT20) – Chain (0): CH 140**



**802.11ac (VHT40) – Chain (0): CH 142 (UNII-2C Band)**



**802.11ac (VHT80) – Chain (0): CH 138 (UNII-2C Band)**



**For U-NII-3 Band**  
**802.11a**

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=2) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 144 (UNII-3 Band) | 5720            | -2.69            | -0.47            | 3.01            | 2.54                   | 27.79              | Pass       |
| 1        | 144 (UNII-3 Band) | 5720            | -4.31            | -2.09            | 3.01            | 0.92                   | 27.79              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.21\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30-(8.21-6) = 27.79\text{dBm}$ .

**802.11ac (VHT20)**

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=2) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 144 (UNII-3 Band) | 5720            | -3.11            | -0.89            | 3.01            | 2.12                   | 27.79              | Pass       |
| 1        | 144 (UNII-3 Band) | 5720            | -4.87            | -2.65            | 3.01            | 0.36                   | 27.79              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.21\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30-(8.21-6) = 27.79\text{dBm}$ .

### 802.11ac (VHT40)

| TX Chain | Channel            | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=2) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-----------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 142 (UNII-2C Band) | 5710            | -4.26            | -2.04            | 3.01            | 0.97                   | 27.79              | Pass       |
| 1        | 142 (UNII-2C Band) | 5710            | -4.86            | -2.64            | 3.01            | 0.37                   | 27.79              | Pass       |

**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.21\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30-(8.21-6) = 27.79\text{dBm}$ .

### 802.11ac (VHT80)

| TX chain | Chan.              | Chan. Freq. (MHz) | PSD W/O Duty Factor |              | 10 log (N=2) dB | Duty Factor (dB) | Total PSD With Duty Factor (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-------------------|---------------------|--------------|-----------------|------------------|-----------------------------------------|--------------------|------------|
|          |                    |                   | (dBm/300kHz)        | (dBm/500kHz) |                 |                  |                                         |                    |            |
| 0        | 138 (UNII-2C Band) | 5690              | -8.73               | -6.51        | 3.01            | 0.18             | -3.32                                   | 27.79              | Pass       |
| 1        | 138 (UNII-2C Band) | 5690              | -8.66               | -6.44        | 3.01            | 0.18             | -3.25                                   | 27.79              | Pass       |

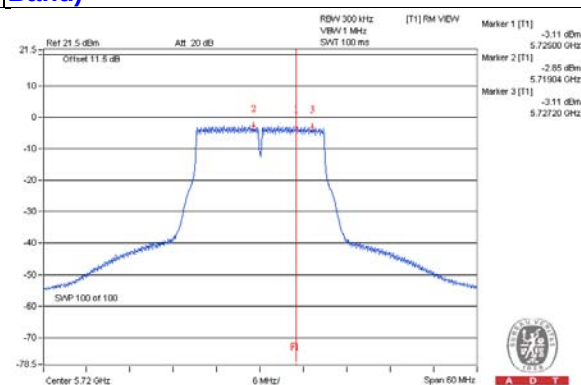
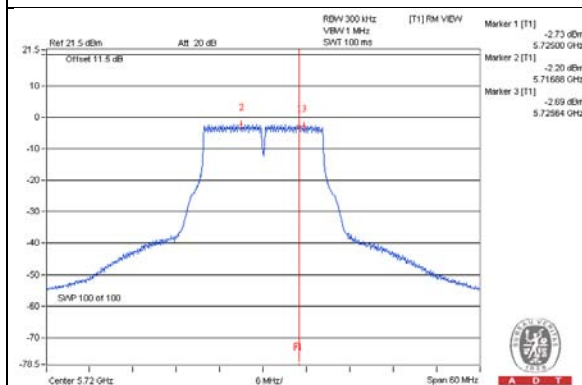
**NOTE:** 1. Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 8.21\text{dBi} > 6\text{dBi}$ , so the power density limit shall be reduced to  $30-(8.21-6) = 27.79\text{dBm}$ .

2. Refer to section 3.3 for duty cycle spectrum plot.

## SPECTRUM PLOT OF WORST VALUE

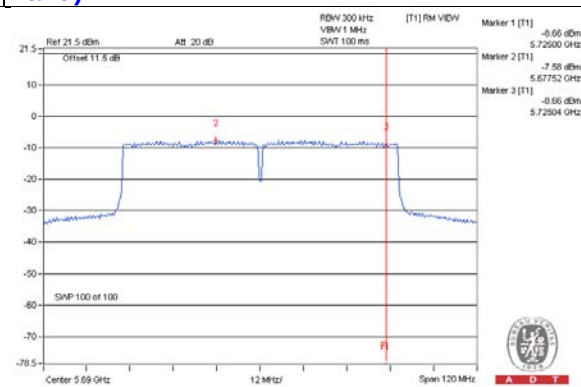
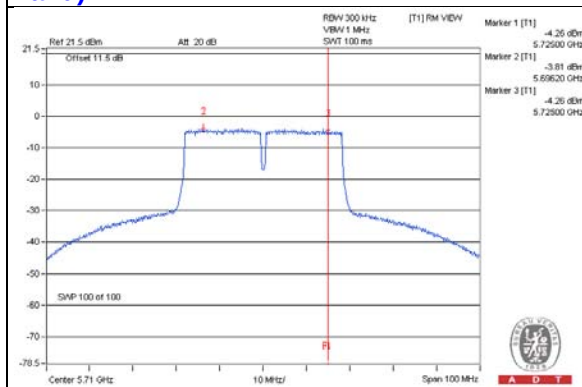
802.11a – Chain (0): CH 144 (UNII-3 Band)

802.11ac (VHT20) – Chain (0): CH 144 (UNII-3 Band)



802.11ac (VHT40) – Chain (0): CH 142 (UNII-3 Band)

802.11ac (VHT80) – Chain (1): CH 138 (UNII-3 Band)



**1TX**  
**CDD MODE**  
**For U-NII-2A, U-NII-2C Band**  
**Chain 0**  
**802.11a**

| Chan.              | Chan. Freq.<br>(MHz) | PSD (dBm/MHz) | MAX. Limit (dBm/MHz) | Pass / Fail |
|--------------------|----------------------|---------------|----------------------|-------------|
| 52                 | 5260                 | 7.30          | 11                   | Pass        |
| 60                 | 5300                 | 7.44          | 11                   | Pass        |
| 64                 | 5320                 | 6.33          | 11                   | Pass        |
| 100                | 5500                 | 7.47          | 11                   | Pass        |
| 116                | 5580                 | 7.45          | 11                   | Pass        |
| 140                | 5700                 | 5.84          | 11                   | Pass        |
| 144 (UNII-2C Band) | 5720                 | 7.77          | 11                   | Pass        |

**802.11ac (VHT20)**

| Chan.              | Chan. Freq.<br>(MHz) | PSD (dBm/MHz) | MAX. Limit (dBm/MHz) | Pass / Fail |
|--------------------|----------------------|---------------|----------------------|-------------|
| 52                 | 5260                 | 7.02          | 11                   | Pass        |
| 60                 | 5300                 | 7.06          | 11                   | Pass        |
| 64                 | 5320                 | 5.63          | 11                   | Pass        |
| 100                | 5500                 | 6.10          | 11                   | Pass        |
| 116                | 5580                 | 7.10          | 11                   | Pass        |
| 140                | 5700                 | 5.57          | 11                   | Pass        |
| 144 (UNII-2C Band) | 5720                 | 7.11          | 11                   | Pass        |

#### 802.11ac (VHT40)

| Chan.              | Chan. Freq.<br>(MHz) | PSD (dBm/MHz) | MAX. Limit (dBm/MHz) | Pass / Fail |
|--------------------|----------------------|---------------|----------------------|-------------|
| 54                 | 5270                 | 4.64          | 11                   | Pass        |
| 62                 | 5310                 | 0.33          | 11                   | Pass        |
| 102                | 5510                 | 1.15          | 11                   | Pass        |
| 110                | 5550                 | 4.00          | 11                   | Pass        |
| 134                | 5670                 | 2.45          | 11                   | Pass        |
| 142 (UNII-2C Band) | 5710                 | 4.19          | 11                   | Pass        |

#### 802.11ac (VHT80)

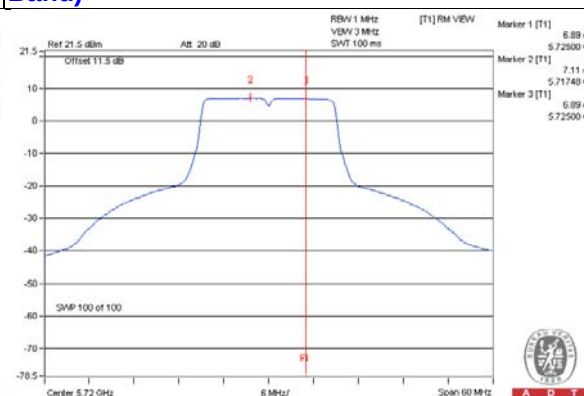
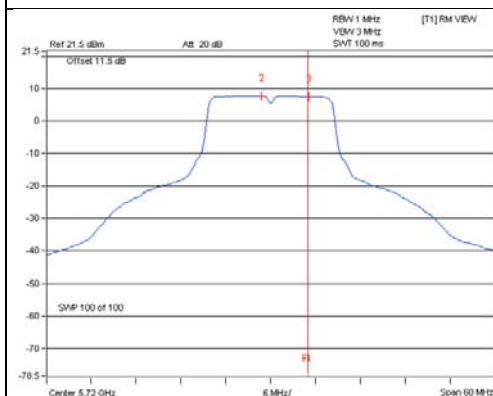
| Chan.              | Chan. Freq.<br>(MHz) | PSD W/O Duty<br>Factor<br>(dBm/MHz) | Duty Factor<br>(dB) | PSD With Duty<br>Factor<br>(dBm/MHz) | MAX. Limit<br>(dBm/MHz) | Pass / Fail |
|--------------------|----------------------|-------------------------------------|---------------------|--------------------------------------|-------------------------|-------------|
| 58                 | 5290                 | -2.50                               | 0.18                | -2.32                                | 11                      | Pass        |
| 106                | 5530                 | -2.16                               | 0.18                | -1.98                                | 11                      | Pass        |
| 122                | 5610                 | -0.15                               | 0.18                | 0.03                                 | 11                      | Pass        |
| 138 (UNII-2C Band) | 5690                 | 0.76                                | 0.18                | 0.94                                 | 11                      | Pass        |

**Note:** Refer to section 3.3 for duty cycle spectrum plot.

### SPECTRUM PLOT OF WORST VALUE

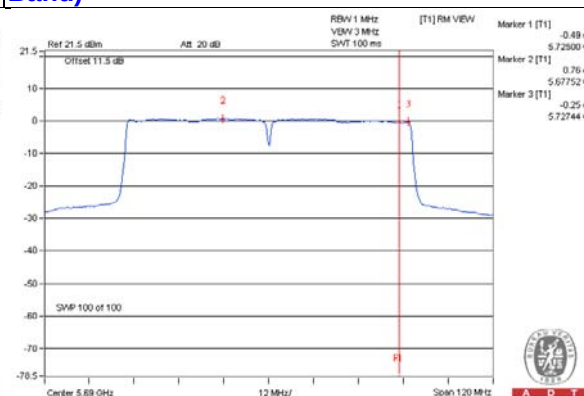
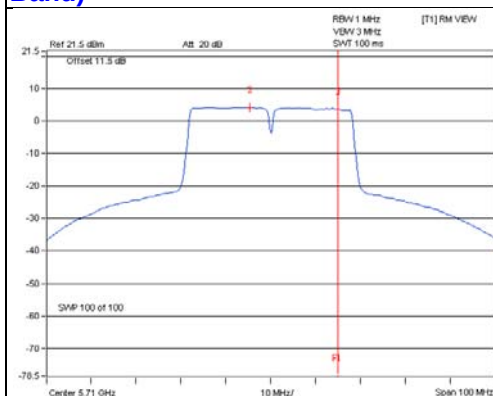
802.11a – Chain (0): CH 144 (UNII-2C Band)

802.11ac (VHT20) –Chain (0): CH 144 (UNII-2C Band)



802.11ac (VHT40) –Chain (0): CH 142 (UNII-2C Band)

802.11ac (VHT80) – Chain (0): CH 138 (UNII-2C Band)



**For U-NII-3 Band**  
**802.11a**

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|------------------------|--------------------|------------|
| 0        | 144 (UNII-3 Band) | 5720            | -0.50            | 1.72             | 1.72                   | 30                 | Pass       |

**802.11ac (VHT20)**

| TX Chain | Channel           | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|-------------------|-----------------|------------------|------------------|------------------------|--------------------|------------|
| 0        | 144 (UNII-3 Band) | 5720            | -1.06            | 1.16             | 1.16                   | 30                 | Pass       |

**802.11ac (VHT40)**

| TX Chain | Channel            | Frequency (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-----------------|------------------|------------------|------------------------|--------------------|------------|
| 0        | 142 (UNII-2C Band) | 5710            | -4.26            | -2.04            | -2.04                  | 30                 | Pass       |

**802.11ac (VHT80)**

| TX chain | Chan.              | Chan. Freq. (MHz) | PSD W/O Duty Factor |              | Duty Factor (dB) | Total PSD With Duty Factor (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|--------------------|-------------------|---------------------|--------------|------------------|-----------------------------------------|--------------------|------------|
|          |                    |                   | (dBm/300kHz)        | (dBm/500kHz) |                  |                                         |                    |            |
| 0        | 138 (UNII-2C Band) | 5690              | -8.73               | -6.51        | 0.18             | -6.33                                   | 30                 | Pass       |

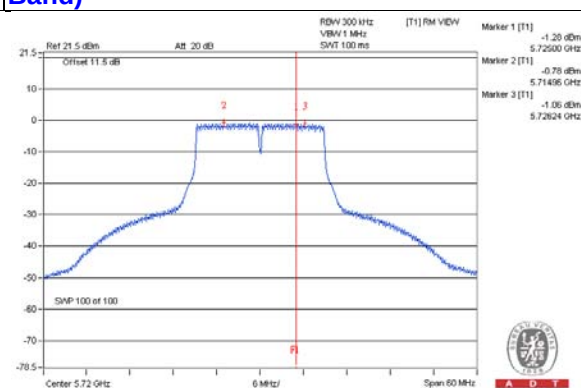
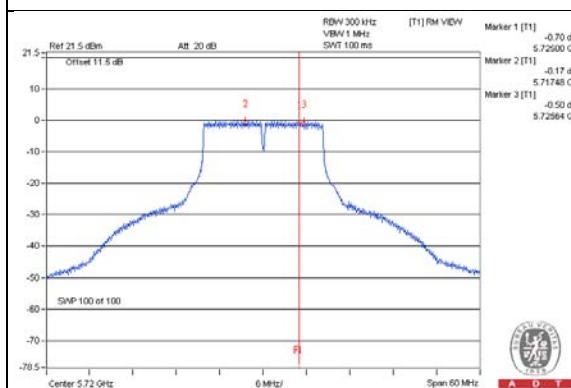
**NOTE:** Refer to section 3.3 for duty cycle spectrum plot.



## SPECTRUM PLOT OF WORST VALUE

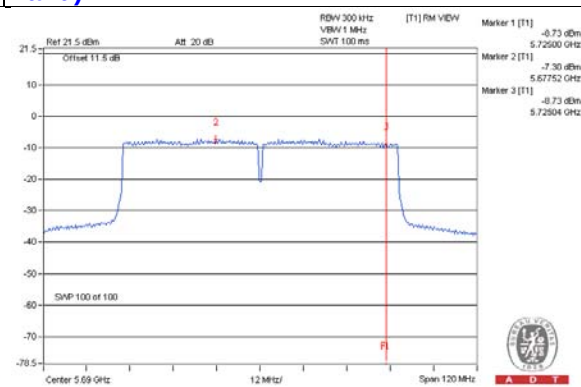
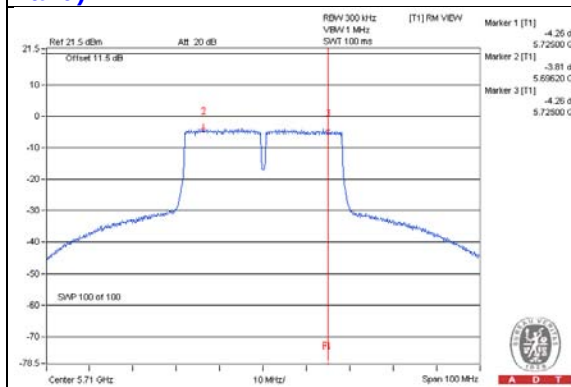
802.11a – Chain (0): CH 144 (UNII-3 Band)

802.11ac (VHT20) – Chain (0): CH 144 (UNII-3 Band)



802.11ac (VHT40) – Chain (0): CH 142 (UNII-3 Band)

802.11ac (VHT80) – Chain (0): CH 138 (UNII-3 Band)

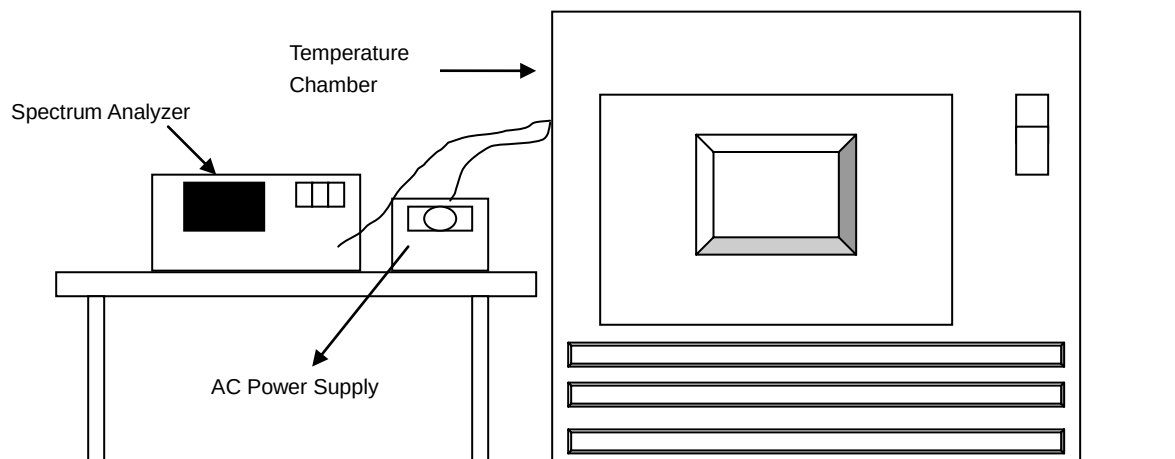


## 4.5 Frequency Stability Measurement

### 4.5.1 Limits of Frequency Stability Measurement

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

### 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

- 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.

### 4.5.5 Deviation from Test Standard

No deviation.

### 4.5.6 EUT Operating Condition

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

#### 4.5.7 Test Results (Mode 1)

| FREQUENCY STABILITY VERSUS TEMP. |                          |                                |                           |                                |                           |                                |                           |                                |                           |
|----------------------------------|--------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|
| OPERATING FREQUENCY: 5260MHz     |                          |                                |                           |                                |                           |                                |                           |                                |                           |
| TEMP.<br>(°C)                    | POWER<br>SUPPLY<br>(Vac) | 0 MINUTE                       |                           | 2 MINUTE                       |                           | 5 MINUTE                       |                           | 10 MINUTE                      |                           |
|                                  |                          | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) |
| 50                               | 120                      | 5259.9944                      | -0.00011                  | 5259.9948                      | -0.00010                  | 5259.9948                      | -0.00010                  | 5259.9948                      | -0.00010                  |
| 40                               | 120                      | 5259.9979                      | -0.00004                  | 5259.9998                      | 0.00000                   | 5260.0002                      | 0.00000                   | 5260.0012                      | 0.00002                   |
| 30                               | 120                      | 5259.9852                      | -0.00028                  | 5259.9858                      | -0.00027                  | 5259.9874                      | -0.00024                  | 5259.9891                      | -0.00021                  |
| 20                               | 120                      | 5260.0032                      | 0.00006                   | 5259.9998                      | 0.00000                   | 5260.001                       | 0.00002                   | 5259.9999                      | 0.00000                   |
| 10                               | 120                      | 5259.9796                      | -0.00039                  | 5259.9772                      | -0.00043                  | 5259.9778                      | -0.00042                  | 5259.9779                      | -0.00042                  |
| 0                                | 120                      | 5259.9738                      | -0.00050                  | 5259.9752                      | -0.00047                  | 5259.974                       | -0.00049                  | 5259.9736                      | -0.00050                  |
| -10                              | 120                      | 5259.9789                      | -0.00040                  | 5259.9791                      | -0.00040                  | 5259.979                       | -0.00040                  | 5259.9793                      | -0.00039                  |
| -20                              | 120                      | 5259.9892                      | -0.00021                  | 5259.9879                      | -0.00023                  | 5259.9864                      | -0.00026                  | 5259.9881                      | -0.00023                  |
| -30                              | 120                      | 5260.0197                      | 0.00037                   | 5260.0159                      | 0.00030                   | 5260.0155                      | 0.00029                   | 5260.0192                      | 0.00037                   |

| FREQUENCY STABILITY VERSUS VOLTAGE |                          |                                |                           |                                |                           |                                |                           |                                |                           |
|------------------------------------|--------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|
| OPERATING FREQUENCY: 5260MHz       |                          |                                |                           |                                |                           |                                |                           |                                |                           |
| TEMP.<br>(°C)                      | POWER<br>SUPPLY<br>(Vac) | 0 MINUTE                       |                           | 2 MINUTE                       |                           | 5 MINUTE                       |                           | 10 MINUTE                      |                           |
|                                    |                          | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) |
| 20                                 | 138                      | 5260.0025                      | 0.00005                   | 5259.9989                      | -0.00002                  | 5260.0008                      | 0.00002                   | 5259.9994                      | -0.00001                  |
|                                    | 120                      | 5260.0032                      | 0.00006                   | 5259.9998                      | 0.00000                   | 5260.001                       | 0.00002                   | 5259.9999                      | 0.00000                   |
|                                    | 102                      | 5260.0027                      | 0.00005                   | 5259.9991                      | -0.00002                  | 5260.0002                      | 0.00000                   | 5260.0007                      | 0.00001                   |

#### 4.5.8 Test Results (Mode 2)

| FREQUENCY STABILITY VERSUS TEMP. |                          |                                |                           |                                |                           |                                |                           |                                |                           |
|----------------------------------|--------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|
| OPERATING FREQUENCY: 5260MHz     |                          |                                |                           |                                |                           |                                |                           |                                |                           |
| TEMP.<br>(°C)                    | POWER<br>SUPPLY<br>(Vac) | 0 MINUTE                       |                           | 2 MINUTE                       |                           | 5 MINUTE                       |                           | 10 MINUTE                      |                           |
|                                  |                          | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) |
| 50                               | 120                      | 5260.0094                      | 0.00018                   | 5260.01                        | 0.00019                   | 5260.0104                      | 0.00020                   | 5260.0064                      | 0.00012                   |
| 40                               | 120                      | 5259.9771                      | -0.00044                  | 5259.9746                      | -0.00048                  | 5259.9748                      | -0.00048                  | 5259.9749                      | -0.00048                  |
| 30                               | 120                      | 5259.9853                      | -0.00028                  | 5259.9831                      | -0.00032                  | 5259.9811                      | -0.00036                  | 5259.9826                      | -0.00033                  |
| 20                               | 120                      | 5259.9979                      | -0.00004                  | 5260.0007                      | 0.00001                   | 5259.999                       | -0.00002                  | 5259.9972                      | -0.00005                  |
| 10                               | 120                      | 5260.0206                      | 0.00039                   | 5260.0213                      | 0.00040                   | 5260.0188                      | 0.00036                   | 5260.0202                      | 0.00038                   |
| 0                                | 120                      | 5259.9788                      | -0.00040                  | 5259.9784                      | -0.00041                  | 5259.9796                      | -0.00039                  | 5259.9756                      | -0.00046                  |
| -10                              | 120                      | 5260.0117                      | 0.00022                   | 5260.0076                      | 0.00014                   | 5260.0081                      | 0.00015                   | 5260.0115                      | 0.00022                   |
| -20                              | 120                      | 5260.0047                      | 0.00009                   | 5260.0035                      | 0.00007                   | 5260.0069                      | 0.00013                   | 5260.0053                      | 0.00010                   |
| -30                              | 120                      | 5259.9769                      | -0.00044                  | 5259.9768                      | -0.00044                  | 5259.9768                      | -0.00044                  | 5259.9763                      | -0.00045                  |

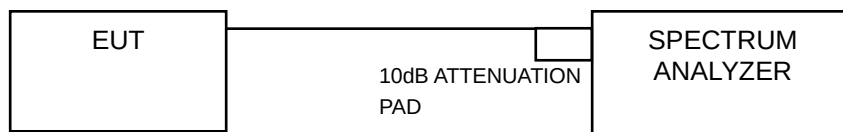
| FREQUENCY STABILITY VERSUS VOLTAGE |                          |                                |                           |                                |                           |                                |                           |                                |                           |
|------------------------------------|--------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------|
| OPERATING FREQUENCY: 5260MHz       |                          |                                |                           |                                |                           |                                |                           |                                |                           |
| TEMP.<br>(°C)                      | POWER<br>SUPPLY<br>(Vac) | 0 MINUTE                       |                           | 2 MINUTE                       |                           | 5 MINUTE                       |                           | 10 MINUTE                      |                           |
|                                    |                          | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) | Measured<br>Frequency<br>(MHz) | Frequency<br>Drift<br>(%) |
| 20                                 | 138                      | 5259.9973                      | -0.00005                  | 5260.0017                      | 0.00003                   | 5259.9996                      | -0.00001                  | 5259.9978                      | -0.00004                  |
|                                    | 120                      | 5259.9979                      | -0.00004                  | 5260.0007                      | 0.00001                   | 5259.999                       | -0.00002                  | 5259.9972                      | -0.00005                  |
|                                    | 102                      | 5259.9988                      | -0.00002                  | 5260.0012                      | 0.00002                   | 5260                           | 0.00000                   | 5259.9978                      | -0.00004                  |

## 4.6 6dB Bandwidth Measurement

### 4.6.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

### 4.6.2 Test Setup



### 4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

### 4.6.4 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

### 4.6.5 Deviation from Test Standard

No deviation.

### 4.6.6 EUT Operating Condition

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

#### 4.6.7 Test Results (Mode 1)

##### CDD Mode

##### 3TX

##### 802.11a

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 | Chain 2 |                     |             |
| 144 (UNII-3 Band) | 5720            | 3.77                | 3.12    | 3.15    | 0.5                 | PASS        |

##### 802.11ac (VHT20)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 | Chain 2 |                     |             |
| 144 (UNII-3 Band) | 5720            | 3.76                | 3.75    | 3.51    | 0.5                 | PASS        |

##### 802.11ac (VHT40)

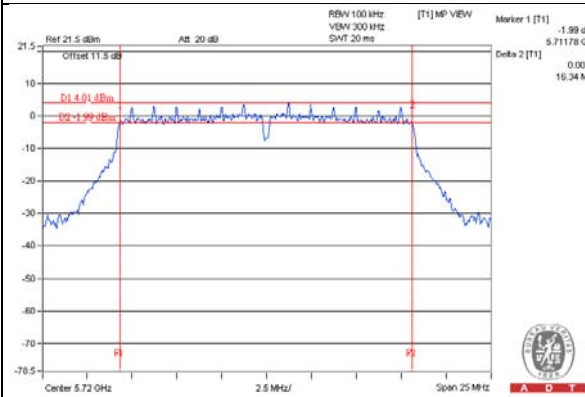
| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 | Chain 2 |                     |             |
| 142 (UNII-3 Band) | 5710            | 3.11                | 3.13    | 3.13    | 0.5                 | PASS        |

##### 802.11ac (VHT80)

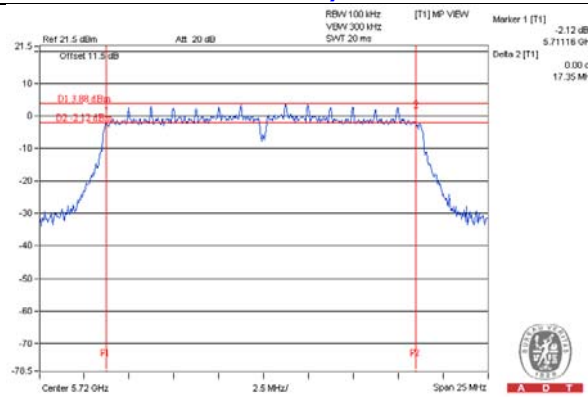
| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 | Chain 2 |                     |             |
| 138 (UNII-3 Band) | 5690            | 2.77                | 2.77    | 2.76    | 0.5                 | PASS        |

### Spectrum Plot of Worst Value

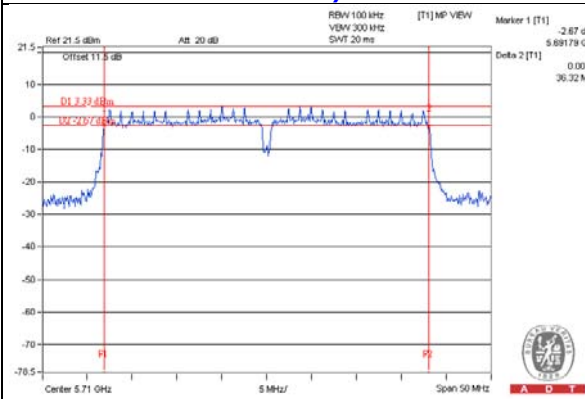
#### 802.11a – Chain (1): CH 144 (UNII-3 Band)



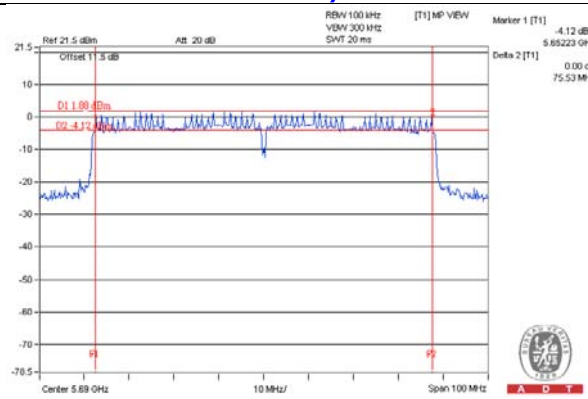
#### 802.11ac (VHT20) – Chain (2): CH 144 (UNII-3 Band)



#### 802.11ac (VHT40) – Chain (0): CH 142 (UNII-3 Band)



#### 802.11ac (VHT80) – Chain (2): CH 138 (UNII-3 Band)



2TX  
802.11a

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 2 |                     |             |
| 144 (UNII-3 Band) | 5720            | 3.11                | 3.16    | 0.5                 | PASS        |

802.11ac (VHT20)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 2 |                     |             |
| 144 (UNII-3 Band) | 5720            | 3.75                | 3.77    | 0.5                 | PASS        |

802.11ac (VHT40)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 2 |                     |             |
| 142 (UNII-3 Band) | 5710            | 2.93                | 2.92    | 0.5                 | PASS        |

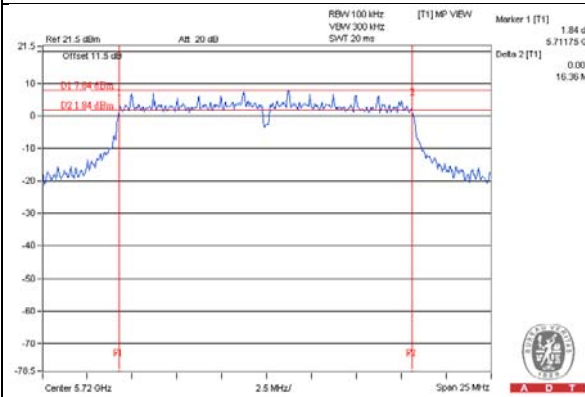
802.11ac (VHT80)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 2 |                     |             |
| 138 (UNII-3 Band) | 5690            | 2.76                | 2.76    | 0.5                 | PASS        |

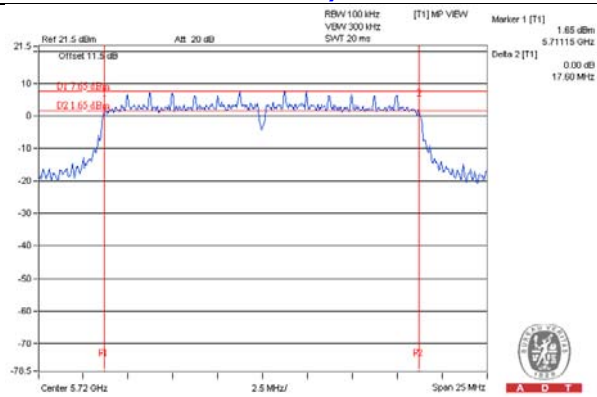


### Spectrum Plot of Worst Value

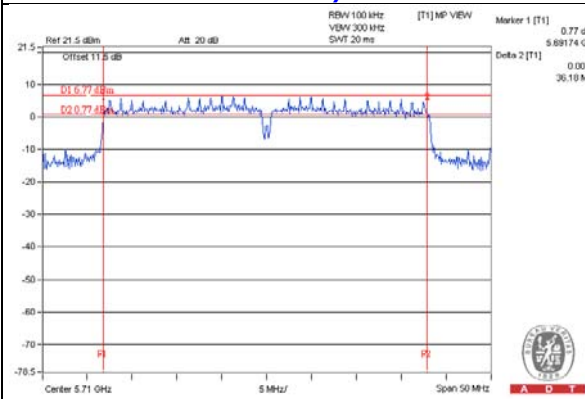
**802.11a – Chain (0): CH 144 (UNII-3 Band)**



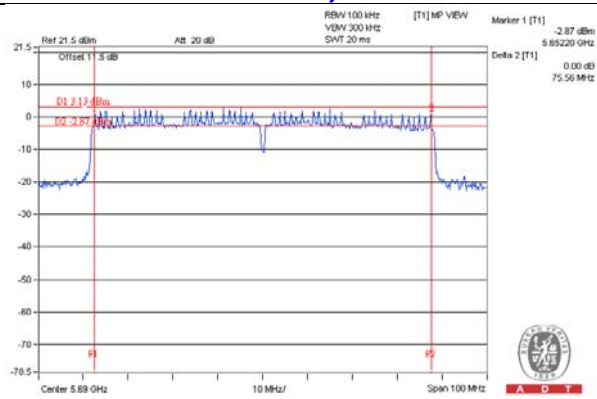
**802.11ac (VHT20) – Chain (0): CH 144 (UNII-3 Band)**



**802.11ac (VHT40) – Chain (2): CH 142 (UNII-3 Band)**



**802.11ac (VHT80) – Chain (2): CH 138 (UNII-3 Band)**



**1TX**
**Chain 2**
**802.11a**

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------------------|-------------|
| 144 (UNII-3 Band) | 5720            | 3.77                | 0.5                 | PASS        |

**802.11ac (VHT20)**

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------------------|-------------|
| 144 (UNII-3 Band) | 5720            | 3.76                | 0.5                 | PASS        |

**802.11ac (VHT40)**

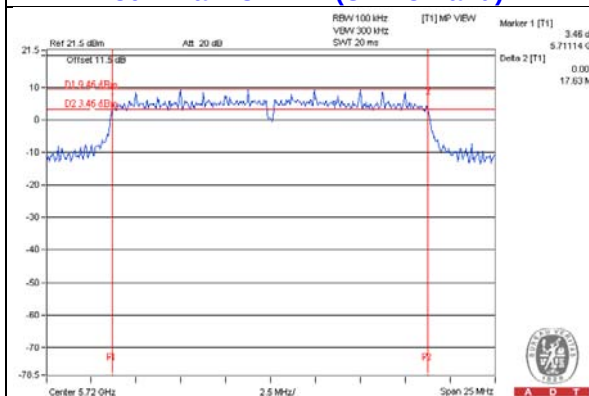
| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------------------|-------------|
| 142 (UNII-3 Band) | 5710            | 2.92                | 0.5                 | PASS        |

**802.11ac (VHT80)**

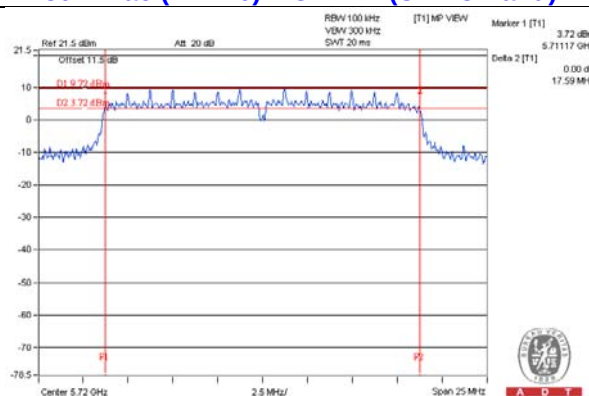
| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------------------|-------------|
| 138 (UNII-3 Band) | 5690            | 2.72                | 0.5                 | PASS        |

# Spectrum Plot of Worst Value

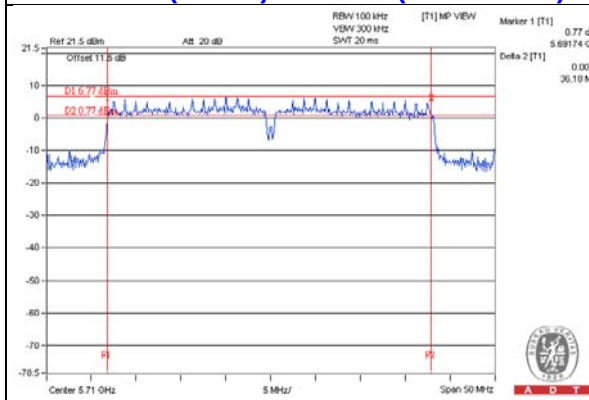
## 802.11a – CH 144 (UNII-3 Band)



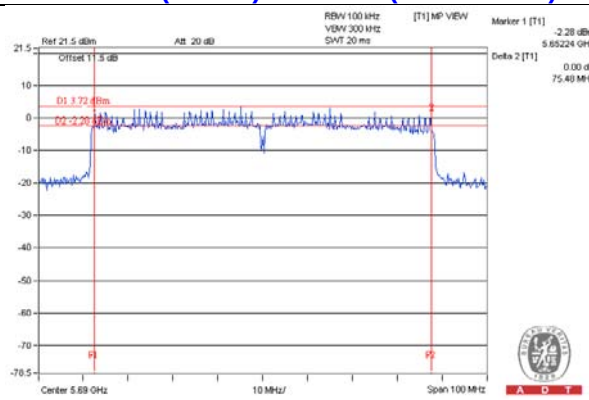
## 802.11ac (VHT20) – CH 144 (UNII-3 Band)



## 802.11ac (VHT40) – CH 142 (UNII-3 Band)



## 802.11ac (VHT80) – CH 138 (UNII-3 Band)



#### 4.6.8 Test Results (Mode 2)

##### CDD Mode

3TX

802.11a

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 | Chain 2 |                     |             |
| 144 (UNII-3 Band) | 5720            | 3.17                | 3.17    | 3.18    | 0.5                 | PASS        |

802.11ac (VHT20)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 | Chain 2 |                     |             |
| 144 (UNII-3 Band) | 5720            | 3.78                | 3.80    | 3.79    | 0.5                 | PASS        |

802.11ac (VHT40)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 | Chain 2 |                     |             |
| 142 (UNII-3 Band) | 5710            | 3.19                | 3.23    | 3.22    | 0.5                 | PASS        |

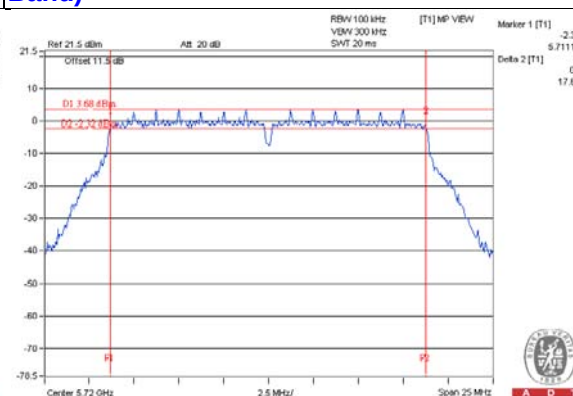
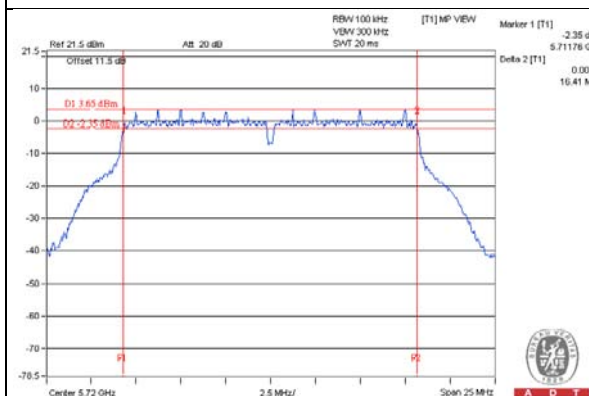
802.11ac (VHT80)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 | Chain 2 |                     |             |
| 138 (UNII-3 Band) | 5690            | 3.20                | 3.23    | 3.25    | 0.5                 | PASS        |

## Spectrum Plot of Worst Value

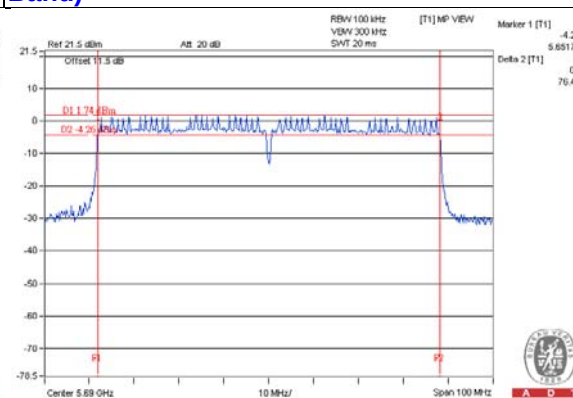
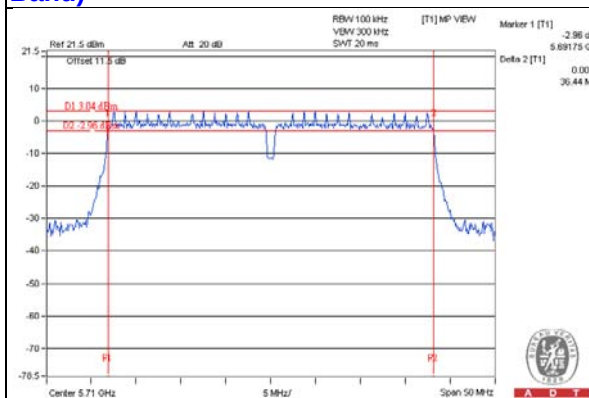
802.11a – Chain (0): CH 144 (UNII-3 Band)

802.11ac (VHT20) – Chain (0): CH 144 (UNII-3 Band)



802.11ac (VHT40) – Chain (0): CH 142 (UNII-3 Band)

802.11ac (VHT80) – Chain (0): CH 138 (UNII-3 Band)



2TX  
802.11a

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 |                     |             |
| 144 (UNII-3 Band) | 5720            | 2.79                | 2.95    | 0.5                 | PASS        |

802.11ac (VHT20)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 |                     |             |
| 144 (UNII-3 Band) | 5720            | 3.80                | 3.82    | 0.5                 | PASS        |

802.11ac (VHT40)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 |                     |             |
| 142 (UNII-3 Band) | 5710            | 3.22                | 3.23    | 0.5                 | PASS        |

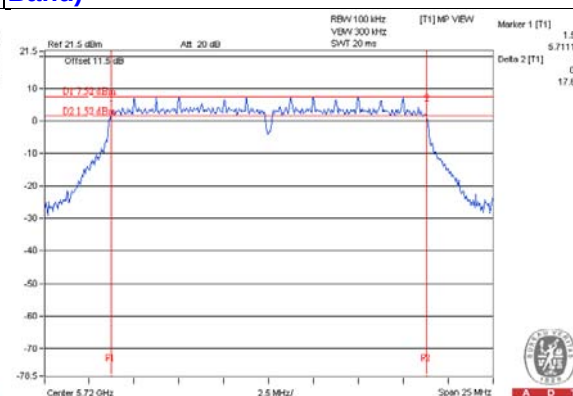
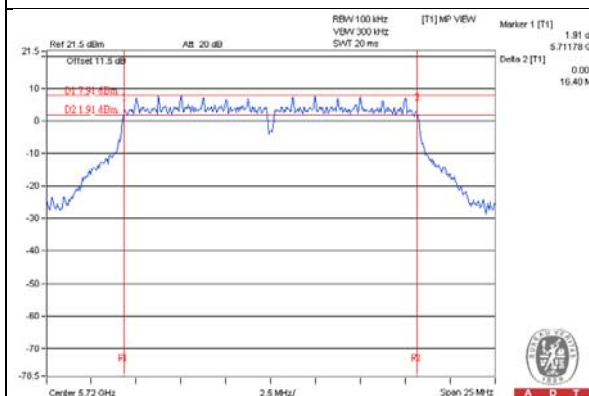
802.11ac (VHT80)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------|---------------------|-------------|
|                   |                 | Chain 0             | Chain 1 |                     |             |
| 138 (UNII-3 Band) | 5690            | 2.79                | 2.95    | 0.5                 | PASS        |

### Spectrum Plot of Worst Value

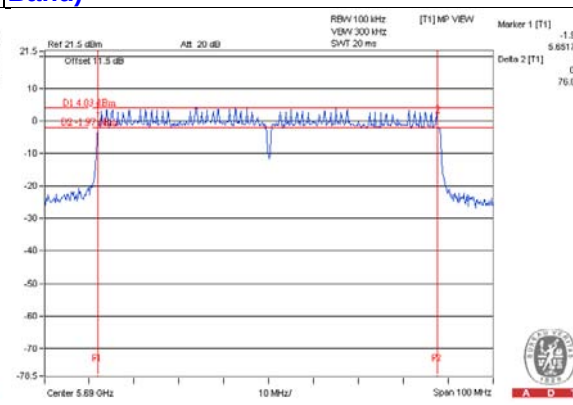
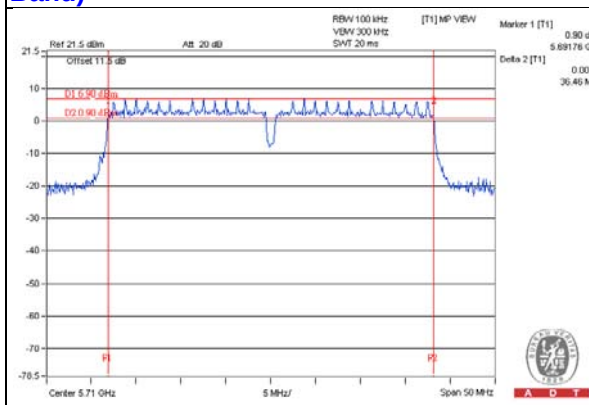
**802.11a – Chain (0): CH 144 (UNII-3 Band)**

**802.11ac (VHT20) – Chain (0): CH 144 (UNII-3 Band)**



**802.11ac (VHT40) – Chain (0): CH 142 (UNII-3 Band)**

**802.11ac (VHT80) – Chain (0): CH 138 (UNII-3 Band)**



1TX  
Chain 0  
802.11a

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------------------|-------------|
|                   |                 | Chain 0             |                     |             |
| 144 (UNII-3 Band) | 5720            | 3.17                | 0.5                 | PASS        |

802.11ac (VHT20)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------------------|-------------|
|                   |                 | Chain 0             |                     |             |
| 144 (UNII-3 Band) | 5720            | 3.81                | 0.5                 | PASS        |

802.11ac (VHT40)

| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------------------|-------------|
|                   |                 | Chain 0             |                     |             |
| 142 (UNII-3 Band) | 5710            | 3.22                | 0.5                 | PASS        |

802.11ac (VHT80)

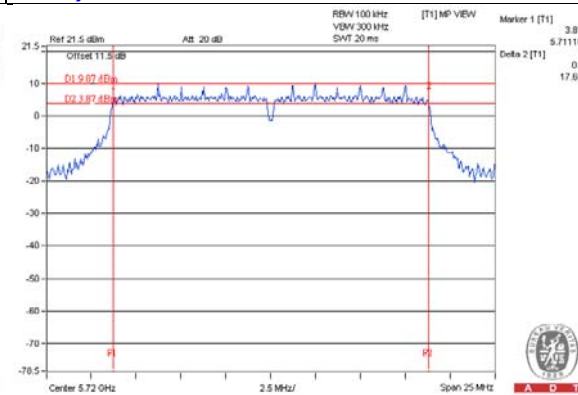
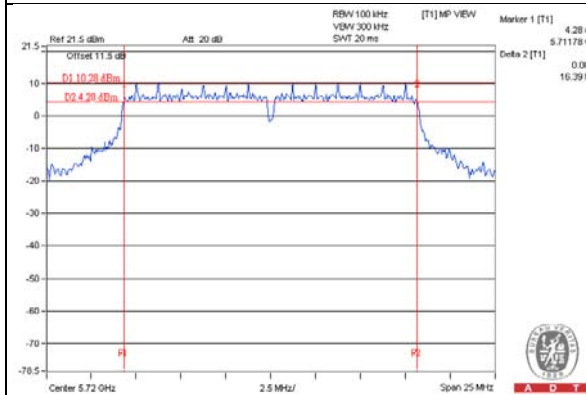
| Channel           | Frequency (MHz) | 6dB Bandwidth (MHz) | Minimum Limit (MHz) | Pass / Fail |
|-------------------|-----------------|---------------------|---------------------|-------------|
|                   |                 | Chain 0             |                     |             |
| 138 (UNII-3 Band) | 5690            | 2.79                | 0.5                 | PASS        |



### Spectrum Plot of Worst Value

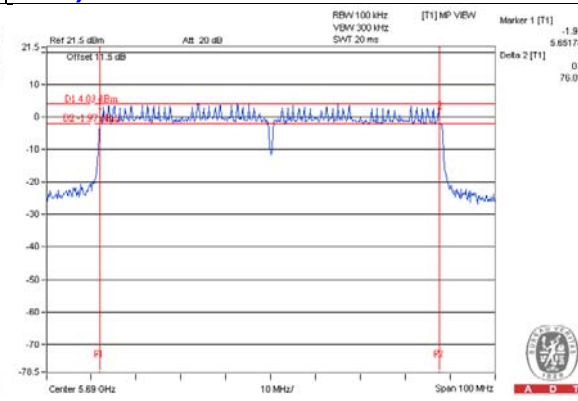
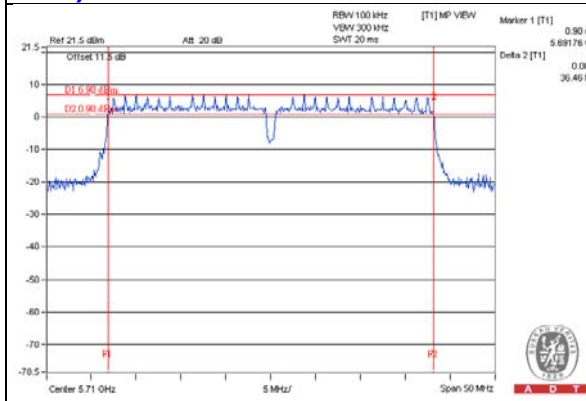
**802.11a – Chain (0): CH 144 (UNII-3 Band)**

**802.11ac (VHT20) – Chain (0): CH 144 (UNII-3 Band)**



**802.11ac (VHT40) – Chain (0): CH 142 (UNII-3 Band)**

**802.11ac (VHT80) – Chain (0): CH 138 (UNII-3 Band)**



## 5 Pictures of Test Arrangements

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

## 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.

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**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

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

--- END ---