

## FCC Test Report (Co-Located)

**Report No.:** RF151005D01-5

**FCC ID:** P279962MSEC

**Test Model:** 9962 Multi-Standard Enterprise Cell

**Series Model:** 9962 Multi-Standard Enterprise Cellxxxxx  
(where "x" is blank, number or any characters)

**Received Date:** Oct. 5, 2015

**Test Date:** Oct. 27 ~ 29, 2015

**Issued Date:** Nov. 19, 2015

**Applicant:** Sercomm Corp.

**Address:** 8F, No. 3-1, YuangQu St., NanKang, Taipei 115, Taiwan, R.O.C. (NanKang Software Park)

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

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)



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### Release Control Record

| Issue No.     | Description       | Date Issued   |
|---------------|-------------------|---------------|
| RF151005D01-5 | Original release. | Nov. 19, 2015 |

## 1 Certificate of Conformity

**Product:** 9962 Multi-Standard AP; Metro Cell Indoor

**Brand:** Alcatel-Lucent

**Test Model:** 9962 Multi-Standard Enterprise Cell

**Series Model:** 9962 Multi-Standard Enterprise Cellxxxxx  
(where "x" is blank, number or any characters)

**Sample Status:** Engineering sample

**Applicant:** Sercomm Corp.

**Test Date:** Oct. 27 ~ 29, 2015

**Standard:** 47 CFR FCC Part 15, Subpart C (Section 15.247)  
47 CFR FCC Part 15, Subpart E (Section 15.407)  
FCC Part 22  
FCC Part 24  
FCC Part 27  
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 :**



Annie Chang / Senior Specialist

**, Date:**

Nov. 19, 2015

**Approved by :**



Rex Lai / Assistant Manager

**, Date:**

Nov. 19, 2015

## 2 Summary of Test Results

| 47 CFR FCC Part 15, Subpart C (Section 15.247),<br>47 CFR FCC Part 15, Subpart E (Section 15.407)<br>FCC Part 22, FCC Part 24, FCC Part 27, FCC Part 2 |                                            |        |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------|-------------------------------------------------------------------------------------|
| FCC Clause                                                                                                                                             | Test Item                                  | Result | Remarks                                                                             |
| 15.207<br>15.407(b)(6)                                                                                                                                 | AC Power Conducted Emissions               | PASS   | Meet the requirement of limit.<br>Minimum passing margin is -10.85dB at 0.47031MHz. |
| 15.205<br>15.209<br>15.247(d)<br>15.407(b)<br>(1/2/3/4/6)<br>2.1053<br>22.917<br>24.238<br>27.53(m)(4)(6)                                              | Radiated Emissions & Band Edge Measurement | PASS   | Meet the requirement of limit.<br>Minimum passing margin is -1.2dB at 4824.00MHz.   |

### 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  | 2.78 dB                        |
| Radiated Emissions up to 1 GHz     | 30MHz ~ 1000MHz | 4.00 dB                        |
| Radiated Emissions above 1 GHz     | 1GHz ~ 40GHz    | 3.36 dB                        |

### 2.2 Modification Record

There were no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

|                       |                                                                                            |                                                                                                           |
|-----------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Product               | 9962 Multi-Standard AP; Metro Cell Indoor                                                  |                                                                                                           |
| Brand                 | Alcatel-Lucent                                                                             |                                                                                                           |
| Test Model            | 9962 Multi-Standard Enterprise Cell                                                        |                                                                                                           |
| Series Model          | 9962 Multi-Standard Enterprise Cellxxxxx<br>(where "x" is blank, number or any characters) |                                                                                                           |
| Model Difference      | Marketing purpose                                                                          |                                                                                                           |
| Status of EUT         | Engineering sample                                                                         |                                                                                                           |
| Power Supply Rating   | 48Vdc from Adapter or 55Vdc from PoE                                                       |                                                                                                           |
| Modulation Type       | WLAN                                                                                       | CCK, DQPSK, DBPSK for DSSS<br>64QAM, 16QAM, QPSK, BPSK for OFDM                                           |
|                       | WCDMA                                                                                      |                                                                                                           |
|                       | LTE                                                                                        |                                                                                                           |
| Modulation Technology | WLAN                                                                                       | DSSS, OFDM                                                                                                |
|                       | WCDMA                                                                                      | QPSK, 16QAM, 64QAM                                                                                        |
|                       | LTE                                                                                        | QPSK, 16QAM, 64QAM                                                                                        |
| Transfer Rate         | WLAN                                                                                       | 802.11b: 11/ 5.5/ 2/ 1Mbps<br>802.11g/802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6Mbps<br>802.11n: up to 300Mbps |
|                       | WLAN                                                                                       | 2412 ~ 2462MHz, 5180 ~ 5240MHz, 5745 ~ 5825MHz                                                            |
|                       | WCDMA                                                                                      | <b>Band 2:</b> 1932.5, 1960.0, 1987.5<br><b>Band 5:</b> 871.5, 881.0, 891.5                               |
| Operating Frequency   | LTE                                                                                        | <b>Band 2 (Channel Bandwidth 5MHz):</b> 1932.5, 1960.0, 1987.5                                            |
|                       |                                                                                            | <b>Band 2 (Channel Bandwidth 10MHz):</b> 1935.0, 1960.0, 1985.0                                           |
|                       |                                                                                            | <b>Band 2 (Channel Bandwidth 15MHz):</b> 1937.5, 1960.0, 1982.5                                           |
|                       |                                                                                            | <b>Band 2 (Channel Bandwidth 20MHz):</b> 1940.0, 1960.0, 1980.0                                           |
|                       |                                                                                            | <b>Band 4 (Channel Bandwidth 5MHz):</b> 2112.5, 2132.5, 2152.5                                            |
|                       |                                                                                            | <b>Band 4 (Channel Bandwidth 10MHz):</b> 2115.0, 2132.5, 2150.0                                           |
|                       |                                                                                            | <b>Band 4 (Channel Bandwidth 15MHz):</b> 2117.5, 2132.5, 2147.5                                           |
|                       |                                                                                            | <b>Band 4 (Channel Bandwidth 20MHz):</b> 2120.0, 2132.5, 2145.0                                           |
|                       |                                                                                            | <b>Band 12 (Channel Bandwidth 5MHz):</b> 731.5, 737.0, 742.5                                              |
|                       |                                                                                            | <b>Band 12 (Channel Bandwidth 10MHz):</b> 734.0, 737.0, 740.0                                             |
| Number of Channel     | WLAN                                                                                       | <b>2412 ~ 2462MHz:</b> 11 for 802.11b, 802.11g, 802.11n (20MHz)<br>7 for 802.11n (40MHz)                  |
|                       |                                                                                            | <b>5180 ~ 5240MHz:</b> 4 for 802.11a, 802.11n (20MHz)<br>2 for 802.11n (40MHz)                            |
|                       |                                                                                            | <b>5745 ~ 5825MHz:</b> 5 for 802.11a, 802.11n (20MHz)<br>2 for 802.11n (40MHz)                            |
| Output Power          | WLAN                                                                                       | <b>2412 ~ 2462MHz:</b> 993.2mW                                                                            |
|                       |                                                                                            | <b>5180 ~ 5240MHz:</b> 126.9mW                                                                            |
|                       |                                                                                            | <b>5745 ~ 5825MHz:</b> 127.53mW                                                                           |

|                     |                 |                                                                 |
|---------------------|-----------------|-----------------------------------------------------------------|
| Max. ERP Power      | WCDMA           | <b>Band 5:</b> 342.77mW                                         |
|                     | LTE             | <b>Band 12 (Channel Bandwidth 5MHz):</b> 311.89mW               |
|                     |                 | <b>Band 12 (Channel Bandwidth 10MHz):</b> 422.67mW              |
| Max. EIRP Power     | WCDMA           | <b>Band 2:</b> 374.11mW                                         |
|                     | LTE             | <b>Band 2 (Channel Bandwidth 5MHz):</b> 388.15mW                |
|                     |                 | <b>Band 2 (Channel Bandwidth 10MHz):</b> 481.95mW               |
|                     |                 | <b>Band 2 (Channel Bandwidth 15MHz):</b> 483.06mW               |
|                     |                 | <b>Band 2 (Channel Bandwidth 20MHz):</b> 467.74mW               |
|                     |                 | <b>Band 4 (Channel Bandwidth 5MHz):</b> 426.58mW                |
|                     |                 | <b>Band 4 (Channel Bandwidth 10MHz):</b> 575.44mW               |
|                     |                 | <b>Band 4 (Channel Bandwidth 15MHz):</b> 479.73mW               |
| Antenna Type        | WLAN            | <b>2.4GHz:</b> Dipole antenna (IPEX Conector) with 5.70dBi gain |
|                     |                 | <b>5.0GHz:</b> Dipole antenna (IPEX Conector) with 5.27dBi gain |
|                     | WCDMA           | <b>Band 5:</b> PIFA Antenna with 2.70dBi gain                   |
|                     |                 | <b>Band 2:</b> PIFA Antenna with 3.61dBi gain                   |
|                     | LTE             | <b>Band 2:</b> PIFA Antenna with 3.61dBi gain                   |
|                     |                 | <b>Band 4:</b> Dipole Antenna (SMA Connector) with 2.34dBi gain |
| Accessory Device    | Adapter, PoE    |                                                                 |
| Data Cable Supplied | GPS cable (10m) |                                                                 |

Note:

- The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers.

| Modulation Mode | TX Function |
|-----------------|-------------|
| 802.11a         | 2TX         |
| 802.11b         | 2TX         |
| 802.11g         | 2TX         |
| 802.11n (HT20)  | 2TX         |
| 802.11n (HT40)  | 2TX         |

- The EUT uses following adapter or PoE:

| Item      | Brand      | Model No.           | Rating                                                                                                                                            |
|-----------|------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Adapter 1 | AmpowerTek | AU60AA-00           | AC I/P: 100-240V, 50-60Hz, 1.5A<br>DC O/P: 48V, 1.25A<br>Non-shielded AC 3-Pin cable (1.5m)<br>Non-shielded DC cable (1.2m) with one ferrite core |
| Adapter 2 | LEI        | NU60-S48012<br>5-I2 | AC I/P: 100-240V, 50-60Hz, 1.4A<br>DC O/P: 48V, 1.25A<br>Non-shielded AC 3-Pin cable (1.5m)<br>Non-shielded DC cable (1.2m) with one ferrite core |
| PoE       | Microsemi  | PD-9601G/AC         | AC I/P: 100-240V, 50-60Hz, 1.35A<br>DC O/P: 55V, 1.75A                                                                                            |

After pre-tested, adapter 1 was the worst case, therefore, only its test data was recorded in the report.

- 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 WLAN 2412 ~ 2462MHz

11 channels are provided for 802.11b, 802.11g and 802.11n (HT20):

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 1       | 2412            | 7       | 2442            |
| 2       | 2417            | 8       | 2447            |
| 3       | 2422            | 9       | 2452            |
| 4       | 2427            | 10      | 2457            |
| 5       | 2432            | 11      | 2462            |
| 6       | 2437            |         |                 |

7 channels are provided for 802.11n (HT40):

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 3       | 2422            | 7       | 2442            |
| 4       | 2427            | 8       | 2447            |
| 5       | 2432            | 9       | 2452            |
| 6       | 2437            |         |                 |

#### FOR WLAN 5180 ~ 5240MHz

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

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

2 channels are provided for 802.11n (HT40):

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

#### FOR WLAN 5745 ~ 5825MHz:

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

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

2 channels are provided for 802.11n (HT40):

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



### WCDMA Band 2

| Channel Bandwidth (MHz) | Channel | Frequency (MHz) |
|-------------------------|---------|-----------------|
| 5                       | Low     | 1932.5          |
|                         | Middle  | 1960.0          |
|                         | High    | 1987.5          |

### WCDMA Band 5

| Channel Bandwidth (MHz) | Channel | Frequency (MHz) |
|-------------------------|---------|-----------------|
| 5                       | Low     | 871.5           |
|                         | Middle  | 881.0           |
|                         | High    | 891.5           |

### LTE Band 2

| Channel Bandwidth (MHz) | Channel | Frequency (MHz) |
|-------------------------|---------|-----------------|
| 5                       | Low     | 1932.5          |
|                         | Middle  | 1960.0          |
|                         | High    | 1987.5          |
| 10                      | Low     | 1935.0          |
|                         | Middle  | 1960.0          |
|                         | High    | 1985.0          |
| 15                      | Low     | 1937.5          |
|                         | Middle  | 1960.0          |
|                         | High    | 1982.5          |
| 20                      | Low     | 1940.0          |
|                         | Middle  | 1960.0          |
|                         | High    | 1980.0          |

#### LTE Band 4

| Channel Bandwidth (MHz) | Channel | Frequency (MHz) |
|-------------------------|---------|-----------------|
| 5                       | Low     | 2112.5          |
|                         | Middle  | 2132.5          |
|                         | High    | 2152.5          |
| 10                      | Low     | 2115.0          |
|                         | Middle  | 2132.5          |
|                         | High    | 2150.0          |
| 15                      | Low     | 2117.5          |
|                         | Middle  | 2132.5          |
|                         | High    | 2147.5          |
| 20                      | Low     | 2120.0          |
|                         | Middle  | 2132.5          |
|                         | High    | 2145.0          |

#### LTE Band 12

| Channel Bandwidth (MHz) | Channel | Frequency (MHz) |
|-------------------------|---------|-----------------|
| 5                       | Low     | 731.5           |
|                         | Middle  | 737.0           |
|                         | High    | 742.5           |
| 10                      | Low     | 734.0           |
|                         | Middle  | 737.0           |
|                         | High    | 740.0           |

### 3.2.1 Test Mode Applicability and Tested Channel Detail

| EUT<br>CONFIGURE<br>MODE | APPLICABLE TO |       |     | DESCRIPTION |
|--------------------------|---------------|-------|-----|-------------|
|                          | RE $\geq$ 1G  | RE<1G | PLC |             |
| -                        | √             | √     | √   | -           |

Where **RE $\geq$ 1G**: Radiated Emission above 1GHz **RE<1G**: Radiated Emission below 1GHz

**PLC**: Power Line Conducted Emission

**NOTE**: The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane**.

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

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

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

| EUT<br>CONFIGURE<br>MODE | MODE                                                          | FREQ. BAND (MHz)         | TESTED FREQ. | MODULATION<br>TECHNOLOGY |
|--------------------------|---------------------------------------------------------------|--------------------------|--------------|--------------------------|
| -                        | WCDMA Band 5<br>+LTE Band 2 (CBW: 5MHz)<br>+802.11g +802.11a  | 871.5 ~ 891.5            | 881.0        | 16QAM                    |
|                          |                                                               | 1932.5 ~ 1987.5          | 1987.5       | QPSK                     |
|                          |                                                               | 2412 ~ 2462              | 2412         | OFDM                     |
|                          |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                     |
| -                        | WCDMA Band 5<br>+LTE Band 2 (CBW: 10MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                    |
|                          |                                                               | 1935.0 ~ 1985.0          | 1985.0       | QPSK                     |
|                          |                                                               | 2412 ~ 2462              | 2412         | OFDM                     |
|                          |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                     |
| -                        | WCDMA Band 5<br>+LTE Band 2 (CBW: 15MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                    |
|                          |                                                               | 1937.5 ~ 1982.5          | 1960.0       | QPSK                     |
|                          |                                                               | 2412 ~ 2462              | 2412         | OFDM                     |
|                          |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                     |
| -                        | WCDMA Band 5<br>+LTE Band 2 (CBW: 20MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                    |
|                          |                                                               | 1940.0 ~ 1980.0          | 1960.0       | QPSK                     |
|                          |                                                               | 2412 ~ 2462              | 2412         | OFDM                     |
|                          |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                     |
| -                        | WCDMA Band 5<br>+LTE Band 4 (CBW: 5MHz)<br>+802.11g +802.11a  | 871.5 ~ 891.5            | 881.0        | 16QAM                    |
|                          |                                                               | 2112.5 ~ 2152.5          | 2132.5       | QPSK                     |
|                          |                                                               | 2412 ~ 2462              | 2412         | OFDM                     |
|                          |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                     |
| -                        | WCDMA Band 5<br>+LTE Band 4 (CBW: 10MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                    |
|                          |                                                               | 2115.0 ~ 2150.0          | 2115.0       | QPSK                     |
|                          |                                                               | 2412 ~ 2462              | 2412         | OFDM                     |
|                          |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                     |
| -                        | WCDMA Band 5<br>+LTE Band 4 (CBW: 15MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                    |
|                          |                                                               | 2117.5 ~ 2147.5          | 2147.5       | QPSK                     |
|                          |                                                               | 2412 ~ 2462              | 2412         | OFDM                     |
|                          |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                     |
| -                        | WCDMA Band 5<br>+LTE Band 4 (CBW: 20MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                    |
|                          |                                                               | 2120.0 ~ 2145.0          | 2132.5       | QPSK                     |
|                          |                                                               | 2412 ~ 2462              | 2412         | OFDM                     |
|                          |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                     |

| EUT CONFIGURE MODE | MODE                                                                      | FREQ. BAND (MHz)         | TESTED FREQ. | MODULATION TECHNOLOGY |
|--------------------|---------------------------------------------------------------------------|--------------------------|--------------|-----------------------|
| -                  | WCDMA Band 5<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a             | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a            | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 5MHz)<br>+802.11g +802.11a              | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2112.5 ~ 2152.5          | 2132.5       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 10MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2115.0 ~ 2150.0          | 2115.0       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 15MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2117.5 ~ 2147.5          | 2147.5       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 20MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2120.0 ~ 2145.0          | 2132.5       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a            | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 4 (CBW: 5MHz)<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a   | 2112.5 ~ 2152.5          | 2132.5       | QPSK                  |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 4 (CBW: 10MHz)<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a | 2115.0 ~ 2150.0          | 2115.0       | QPSK                  |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 2 (CBW: 5MHz)<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a   | 1932.5 ~ 1987.5          | 1987.5       | QPSK                  |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 2 (CBW: 10MHz)<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a | 1935.0 ~ 1985.0          | 1985.0       | QPSK                  |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |

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

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

| EUT CONFIGURE MODE | MODE                                                          | FREQ. BAND (MHz)         | TESTED FREQ. | MODULATION TECHNOLOGY |
|--------------------|---------------------------------------------------------------|--------------------------|--------------|-----------------------|
| -                  | WCDMA Band 5<br>+LTE Band 2 (CBW: 5MHz)<br>+802.11g +802.11a  | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 1932.5 ~ 1987.5          | 1987.5       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 2 (CBW: 10MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 1935.0 ~ 1985.0          | 1985.0       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 2 (CBW: 15MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 1937.5 ~ 1982.5          | 1960.0       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 2 (CBW: 20MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 1940.0 ~ 1980.0          | 1960.0       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 4 (CBW: 5MHz)<br>+802.11g +802.11a  | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 2112.5 ~ 2152.5          | 2132.5       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 4 (CBW: 10MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 2115.0 ~ 2150.0          | 2115.0       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 4 (CBW: 15MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 2117.5 ~ 2147.5          | 2147.5       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 4 (CBW: 20MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 2120.0 ~ 2145.0          | 2132.5       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |

| EUT CONFIGURE MODE | MODE                                                                      | FREQ. BAND (MHz)         | TESTED FREQ. | MODULATION TECHNOLOGY |
|--------------------|---------------------------------------------------------------------------|--------------------------|--------------|-----------------------|
| -                  | WCDMA Band 5<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a             | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a            | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 5MHz)<br>+802.11g +802.11a              | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2112.5 ~ 2152.5          | 2132.5       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 10MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2115.0 ~ 2150.0          | 2115.0       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 15MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2117.5 ~ 2147.5          | 2147.5       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 20MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2120.0 ~ 2145.0          | 2132.5       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a            | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 4 (CBW: 5MHz)<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a   | 2112.5 ~ 2152.5          | 2132.5       | QPSK                  |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 4 (CBW: 10MHz)<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a | 2115.0 ~ 2150.0          | 2115.0       | QPSK                  |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 2 (CBW: 5MHz)<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a   | 1932.5 ~ 1987.5          | 1987.5       | QPSK                  |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 2 (CBW: 10MHz)<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a | 1935.0 ~ 1985.0          | 1985.0       | QPSK                  |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |

### Power Line Conducted Emission Test:

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

| EUT CONFIGURE MODE | MODE                                                          | FREQ. BAND (MHz)         | TESTED FREQ. | MODULATION TECHNOLOGY |
|--------------------|---------------------------------------------------------------|--------------------------|--------------|-----------------------|
| -                  | WCDMA Band 5<br>+LTE Band 2 (CBW: 5MHz)<br>+802.11g +802.11a  | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 1932.5 ~ 1987.5          | 1987.5       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 2 (CBW: 10MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 1935.0 ~ 1985.0          | 1985.0       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 2 (CBW: 15MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 1937.5 ~ 1982.5          | 1960.0       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 2 (CBW: 20MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 1940.0 ~ 1980.0          | 1960.0       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 4 (CBW: 5MHz)<br>+802.11g +802.11a  | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 2112.5 ~ 2152.5          | 2132.5       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 4 (CBW: 10MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 2115.0 ~ 2150.0          | 2115.0       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 4 (CBW: 15MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 2117.5 ~ 2147.5          | 2147.5       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 4 (CBW: 20MHz)<br>+802.11g +802.11a | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                               | 2120.0 ~ 2145.0          | 2132.5       | QPSK                  |
|                    |                                                               | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                               | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |

| EUT CONFIGURE MODE | MODE                                                                      | FREQ. BAND (MHz)         | TESTED FREQ. | MODULATION TECHNOLOGY |
|--------------------|---------------------------------------------------------------------------|--------------------------|--------------|-----------------------|
| -                  | WCDMA Band 5<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a             | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 5<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a            | 871.5 ~ 891.5            | 881.0        | 16QAM                 |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 5MHz)<br>+802.11g +802.11a              | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2112.5 ~ 2152.5          | 2132.5       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 10MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2115.0 ~ 2150.0          | 2115.0       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 15MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2117.5 ~ 2147.5          | 2147.5       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 4 (CBW: 20MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 2120.0 ~ 2145.0          | 2132.5       | QPSK                  |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a             | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | WCDMA Band 2<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a            | 1932.5 ~ 1987.5          | 1960.0       | 16QAM                 |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 4 (CBW: 5MHz)<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a   | 2112.5 ~ 2152.5          | 2132.5       | QPSK                  |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 4 (CBW: 10MHz)<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a | 2115.0 ~ 2150.0          | 2115.0       | QPSK                  |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 2 (CBW: 5MHz)<br>+LTE Band 12 (CBW: 5MHz)<br>+802.11g +802.11a   | 1932.5 ~ 1987.5          | 1987.5       | QPSK                  |
|                    |                                                                           | 731.5 ~ 742.5            | 731.5        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |
| -                  | LTE Band 2 (CBW: 10MHz)<br>+LTE Band 12 (CBW: 10MHz)<br>+802.11g +802.11a | 1935.0 ~ 1985.0          | 1985.0       | QPSK                  |
|                    |                                                                           | 734.0 ~ 740.0            | 740.0        | 16QAM                 |
|                    |                                                                           | 2412 ~ 2462              | 2412         | OFDM                  |
|                    |                                                                           | 5180 ~ 5240, 5745 ~ 5825 | 5785         | OFDM                  |



**Test Condition:**

| APPLICABLE TO | ENVIRONMENTAL CONDITIONS | INPUT POWER  | TESTED BY |
|---------------|--------------------------|--------------|-----------|
| RE $\geq$ 1G  | 24deg. C, 75%RH          | 120Vac, 60Hz | Aaron You |
| RE<1G         | 24deg. C, 75%RH          | 120Vac, 60Hz | Aaron You |
| PLC           | 25deg. C, 71%RH          | 120Vac, 60Hz | Aaron You |

### 3.3 Description of Support Units

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

| ID | Product                              | Brand    | Model No.        | Serial No.      | FCC ID           | Remarks         |
|----|--------------------------------------|----------|------------------|-----------------|------------------|-----------------|
| A. | Notebook PC                          | DELL     | PP04X            | JV9ZZ1S         | FCC DoC Approved | Provided by Lab |
| B. | Notebook PC                          | DELL     | PP04X            | 1W9ZZ1S         | FCC DoC Approved | Provided by Lab |
| C. | Notebook PC                          | SONY     | SVS151A12P       | 275548477001024 | FCC DoC Approved | Provided by Lab |
| D. | Notebook PC                          | SONY     | SVS151A12P       | 275548477001087 | FCC DoC Approved | Provided by Lab |
| E. | Universal Radio Communication Tester | R&S      | CMU200           | 117260          | N/A              | Provided by Lab |
| F. | LTE simulator                        | Anritsu  | LTE Band 11 & 18 | N/A             | N/A              | Provided by Lab |
| G. | GPS simulator                        | PENDULUM | GSG-5            | 200447          | N/A              | Provided by Lab |
| H. | HORN Antenna                         | ETS      | 3117             | 00123980        | N/A              | Provided by Lab |
| I. | Notebook PC                          | DELL     | E6530            | 9331GV1         | FCC DoC Approved | Provided by Lab |

Note:

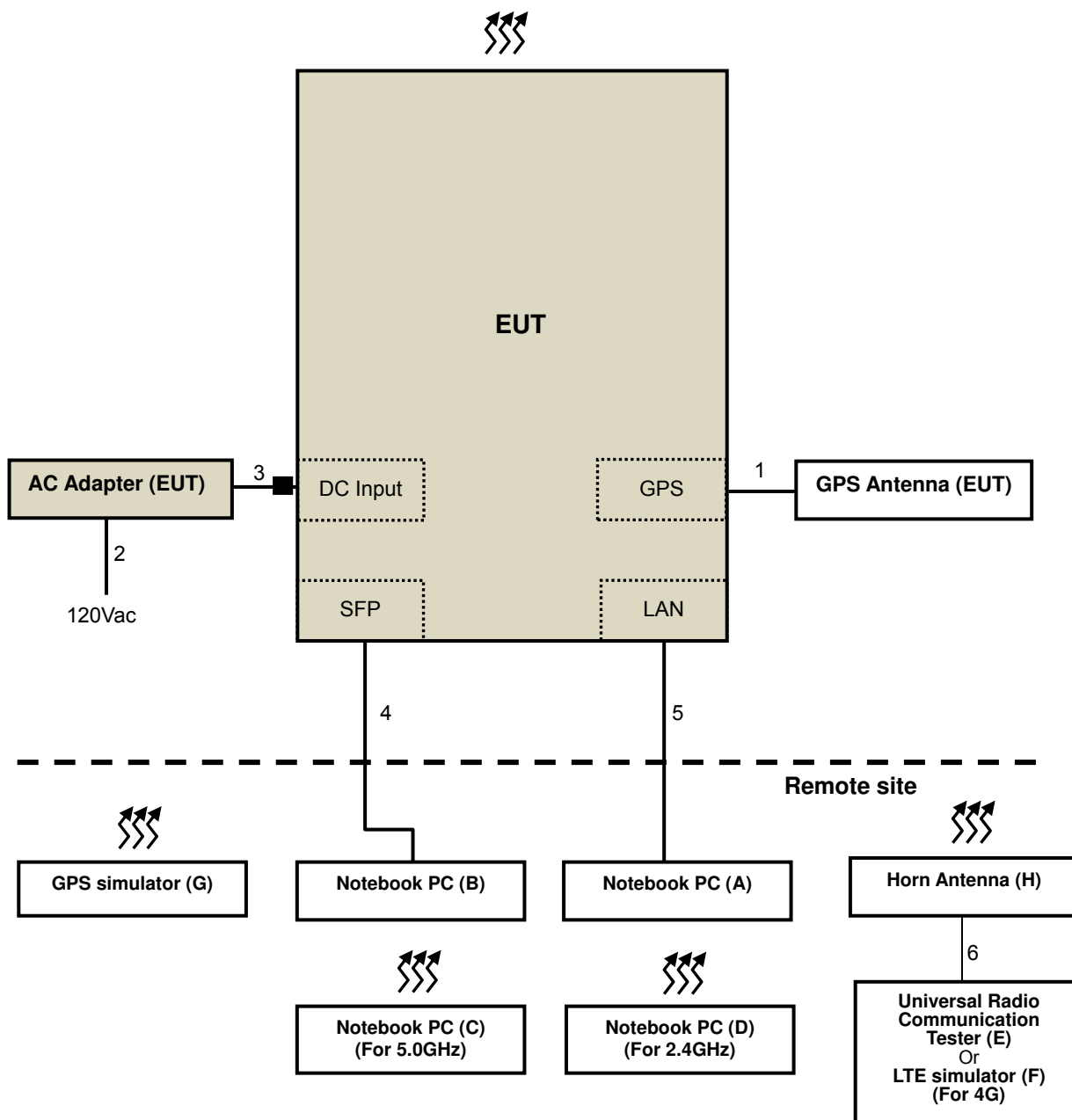
1. All power cords of the above support units are non-shielded (1.8m).
2. Items A-I acted as communication partners to transfer data.

| ID | Descriptions     | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks            |
|----|------------------|------|------------|--------------------|--------------|--------------------|
| 1. | Antenna cable    | 1    | 8          | Y                  | 0            | Supplied by client |
| 2. | AC Power Cord    | 1    | 1.5        | N                  | 0            | Supplied by client |
| 3. | DC cable         | 1    | 1.2        | N                  | 1            | Supplied by client |
| 4. | SFP to LAN cable | 1    | 10         | N                  | 0            | Provided by Lab    |
| 5. | LAN cable        | 2    | 10         | N                  | 0            | Provided by Lab    |
| 6. | Coaxial cable    | 1    | 10         | Y                  | 0            | Provided by Lab    |

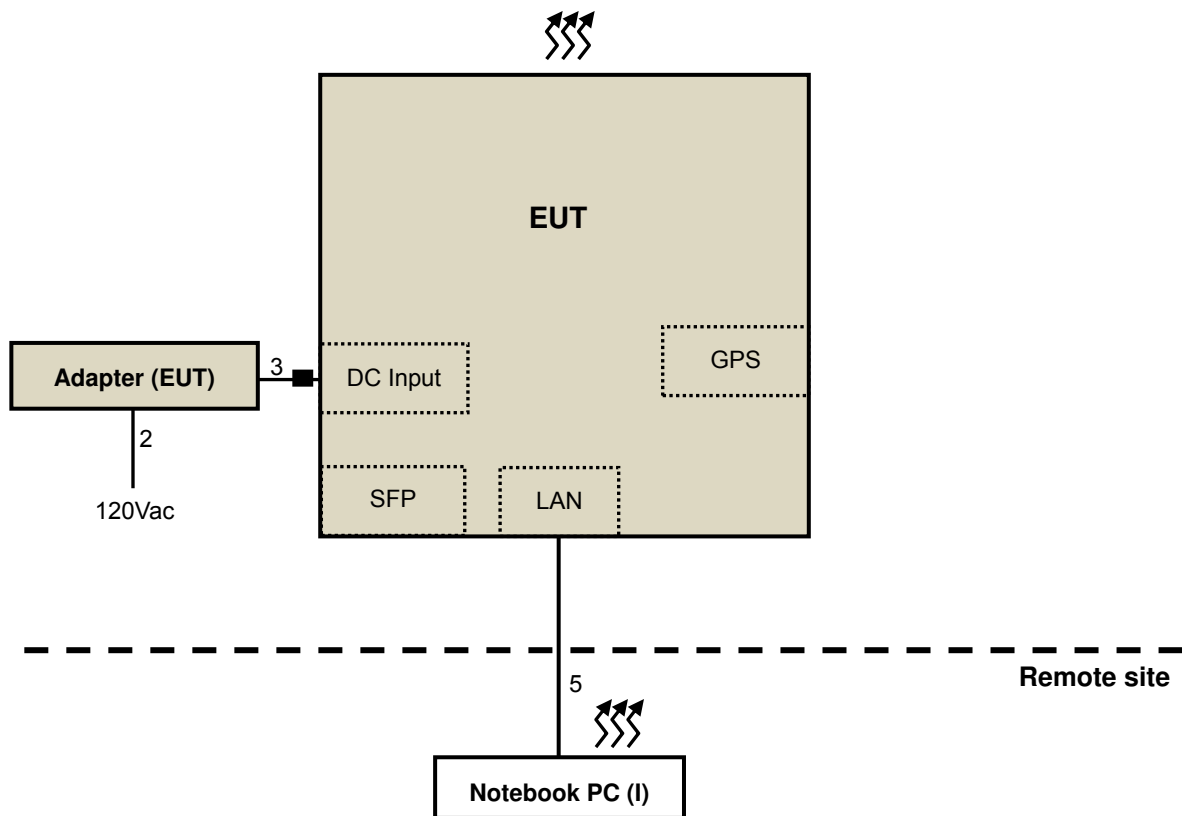
Note: The core(s) is(are) originally attached to the cable(s).

### 3.3.1 Configuration of System under Test

**For Radiated up to 1GHz test:**



For Radiated above 1GHz test:



### **3.4 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:

**47 CFR FCC Part 15, Subpart C (Section 15.247)**

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

**FCC Part 22**

**FCC Part 24, Subpart E**

**FCC Part 27**

**FCC 47 CFR Part 2**

**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

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to  $-13\text{dBm}$ .

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:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBuV/m) =  $20 \log$  Emission level (uV/m).
- 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 v01 | 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

| DESCRIPTION & MANUFACTURER                | MODEL NO.                | SERIAL NO.     | CALIBRATED DATE | CALIBRATED UNTIL |
|-------------------------------------------|--------------------------|----------------|-----------------|------------------|
| HP Preamplifier                           | 8447D                    | 2432A03504     | Feb. 26, 2015   | Feb. 25, 2016    |
| HP Preamplifier                           | 8449B                    | 3008A01201     | Feb. 26, 2015   | Feb. 25, 2016    |
| MITEQ Preamplifier                        | AMF-6F-260400-3<br>3-8P  | 892164         | Mar. 01, 2015   | Feb. 28, 2016    |
| Agilent Spectrum                          | E4446A                   | MY51100009     | May 30, 2015    | May 29, 2016     |
| Agilent<br>TEST RECEIVER                  | N9038A                   | MY51210129     | Jan. 20, 2015   | Jan. 19, 2016    |
| Schwarzbeck Antenna                       | VULB 9168                | 139            | Feb. 04, 2015   | Feb. 03, 2016    |
| Schwarzbeck Antenna                       | VHBA 9123                | 480            | May 29, 2015    | May 28, 2017     |
| Schwarzbeck Horn<br>Antenna               | BBHA-9170                | 212            | Feb. 09, 2015   | Feb. 08, 2016    |
| Schwarzbeck Horn<br>Antenna               | BBHA 9120-D1             | D130           | Feb. 10, 2015   | Feb. 09, 2016    |
| ADT. Turn Table                           | TT100                    | 0306           | NA              | NA               |
| ADT. Tower                                | AT100                    | 0306           | NA              | NA               |
| Software                                  | Radiated_V7.6.15.<br>9.4 | NA             | NA              | NA               |
| SUHNER RF cable<br>With 4dB PAD           | SF104                    | CABLE-CH6      | Aug. 15, 2015   | Aug. 14, 2016    |
| SUHNER RF cable<br>With 3dB PAD           | SF102                    | Cable-CH8-3.6m | Aug. 15, 2015   | Aug. 14, 2016    |
| EMCO Horn Antenna                         | 3115                     | 00028257       | Feb. 05, 2015   | Feb. 04, 2016    |
| Highpass filter<br>Wainwright Instruments | WHK<br>3.1/18G-10SS      | SN 8           | NA              | NA               |
| ROHDE & SCHWARZ<br>Spectrum Analyzer      | FSV40                    | 101042         | Sep. 23, 2015   | Sep. 22, 2016    |
| Anritsu<br>Power Sensor                   | MA2411B                  | 0738404        | Apr. 21, 2015   | Apr. 20, 2016    |
| Anritsu<br>Power Meter                    | ML2495A                  | 0842014        | Apr. 21, 2015   | Apr. 20, 2016    |
| KEYSIGHT<br>Spectrum Analyzer             | N9030A                   | MY54490260     | Jul. 14, 2015   | Jul. 13, 2016    |

- NOTE:**
1. The calibration interval of the above test instruments is 12/24 months. And the calibrations are traceable to NML/ROC and NIST/USA.
  2. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
  3. The test was performed in Chamber No. 6.
  4. The Industry Canada Reference No. IC 7450E-6.
  5. The FCC Site Registration No. is 447212.

#### 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.

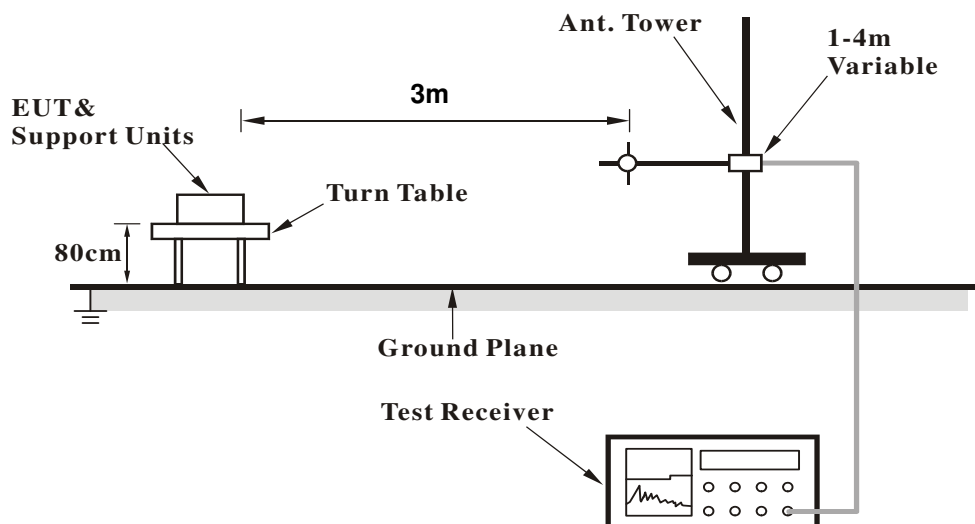
#### 4.1.4 Deviation from Test Standard

No deviation.

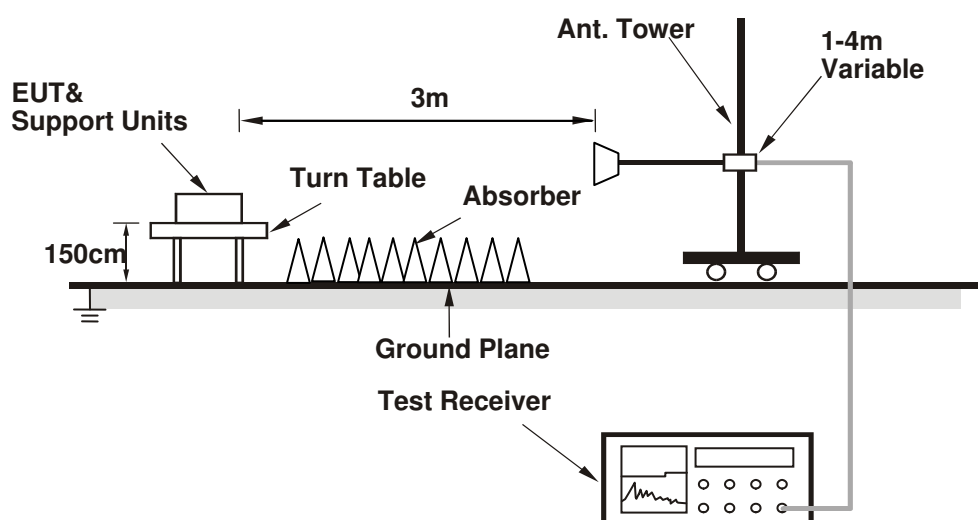


#### 4.1.5 Test Setup

##### <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

- Placed the EUT on the testing table.
- Prepared notebook to act as communication partner and placed it outside of testing area.
- The communication partner connected with EUT via a RJ45 cable and ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.

#### 4.1.7 Test Results

#### ABOVE 1GHz DATA

WCDMA Band 5 +LTE Band 2 (CBW: 5MHz) +802.11g +802.11a

|                 |                         |                      |              |
|-----------------|-------------------------|----------------------|--------------|
| TEST FREQUENCY  | 881.0+1987.5+ 2412+5785 | 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                                                   | 2390.00        | 62.1 PK                       | 74.0              | -11.9          | 1.12 H                   | 53                         | 61.59                  | 0.52                           |
| 2                                                   | 2390.00        | 48.3 AV                       | 54.0              | -5.7           | 1.12 H                   | 53                         | 47.77                  | 0.52                           |
| 3                                                   | *2412.00       | 112.7 PK                      |                   |                | 1.12 H                   | 53                         | 112.06                 | 0.65                           |
| 4                                                   | *2412.00       | 102.1 AV                      |                   |                | 1.12 H                   | 53                         | 101.43                 | 0.65                           |
| 5                                                   | 4824.00        | 64.0 PK                       | 74.0              | -10.1          | 1.38 H                   | 295                        | 56.12                  | 7.83                           |
| 6                                                   | 4824.00        | 52.0 AV                       | 54.0              | -2.0           | 1.38 H                   | 295                        | 44.16                  | 7.83                           |
| 7                                                   | *5785.00       | 115.3 PK                      |                   |                | 1.93 H                   | 140                        | 105.38                 | 9.94                           |
| 8                                                   | *5785.00       | 104.3 AV                      |                   |                | 1.93 H                   | 140                        | 94.35                  | 9.94                           |
| 9                                                   | #7236.00       | 64.9 PK                       | 74.0              | -9.1           | 1.20 H                   | 88                         | 50.19                  | 14.70                          |
| 10                                                  | #7236.00       | 49.0 AV                       | 54.0              | -5.0           | 1.20 H                   | 88                         | 34.32                  | 14.70                          |
| 11                                                  | 11570.00       | 60.6 PK                       | 74.0              | -13.4          | 1.48 H                   | 120                        | 39.14                  | 21.44                          |
| 12                                                  | 11570.00       | 49.6 AV                       | 54.0              | -4.4           | 1.48 H                   | 120                        | 28.19                  | 21.44                          |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 2390.00        | 66.8 PK                       | 74.0              | -7.2           | 1.63 V                   | 324                        | 66.26                  | 0.52                           |
| 2                                                 | 2390.00        | 51.0 AV                       | 54.0              | -3.0           | 1.63 V                   | 324                        | 50.50                  | 0.52                           |
| 3                                                 | *2412.00       | 117.1 PK                      |                   |                | 1.63 V                   | 324                        | 116.44                 | 0.65                           |
| 4                                                 | *2412.00       | 109.3 AV                      |                   |                | 1.63 V                   | 324                        | 108.65                 | 0.65                           |
| 5                                                 | 4824.00        | 57.7 PK                       | 74.0              | -16.3          | 1.51 V                   | 123                        | 49.83                  | 7.83                           |
| 6                                                 | 4824.00        | 44.6 AV                       | 54.0              | -9.5           | 1.51 V                   | 123                        | 36.72                  | 7.83                           |
| 7                                                 | *5785.00       | 123.7 PK                      |                   |                | 2.48 V                   | 330                        | 113.75                 | 9.94                           |
| 8                                                 | *5785.00       | 114.0 AV                      |                   |                | 2.48 V                   | 330                        | 104.06                 | 9.94                           |
| 9                                                 | #7236.00       | 63.7 PK                       | 74.0              | -10.3          | 1.14 V                   | 5                          | 49.03                  | 14.70                          |
| 10                                                | #7236.00       | 48.0 AV                       | 54.0              | -6.0           | 1.14 V                   | 5                          | 33.29                  | 14.70                          |
| 11                                                | 11570.00       | 60.3 PK                       | 74.0              | -13.7          | 2.60 V                   | 174                        | 38.85                  | 21.44                          |
| 12                                                | 11570.00       | 49.5 AV                       | 54.0              | -4.6           | 2.60 V                   | 174                        | 28.01                  | 21.44                          |

#### 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.

|                 |                         |                      |           |
|-----------------|-------------------------|----------------------|-----------|
| TEST FREQUENCY  | 881.0+1987.5+ 2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz          |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -54.6 PK                   | -13.0       | -41.6          | 1.77 H                   | 353                        | -52.59                | -2.04                     |
| 2                                                   | 3975.00        | -52.4 PK                   | -13.0       | -39.4          | 1.32 H                   | 36                         | -58.41                | 6.06                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -54.0 PK                   | -13.0       | -41.0          | 2.33 V                   | 348                        | -51.92                | -2.04                     |
| 2                                                   | 3975.00        | -49.9 PK                   | -13.0       | -36.9          | 1.97 V                   | 23                         | -56.00                | 6.06                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 2 (CBW: 10MHz) +802.11g +802.11a**

|                        |                         |                              |              |
|------------------------|-------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 881.0 +1985.0+2412+5785 | <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                                                              | 2390.00        | 61.9 PK                       | 74.0              | -12.1          | 1.00 H                   | 50                         | 61.36                  | 0.52                           |
| 2                                                              | 2390.00        | 47.9 AV                       | 54.0              | -6.1           | 1.00 H                   | 50                         | 47.40                  | 0.52                           |
| 3                                                              | *2412.00       | 113.0 PK                      |                   |                | 1.00 H                   | 50                         | 112.35                 | 0.65                           |
| 4                                                              | *2412.00       | 102.5 AV                      |                   |                | 1.00 H                   | 50                         | 101.83                 | 0.65                           |
| 5                                                              | 4824.00        | 63.6 PK                       | 74.0              | -10.5          | 1.60 H                   | 263                        | 55.72                  | 7.83                           |
| 6                                                              | 4824.00        | 52.6 AV                       | 54.0              | -1.4           | 1.60 H                   | 263                        | 44.78                  | 7.83                           |
| 7                                                              | *5785.00       | 115.6 PK                      |                   |                | 1.90 H                   | 131                        | 105.69                 | 9.94                           |
| 8                                                              | *5785.00       | 104.6 AV                      |                   |                | 1.90 H                   | 131                        | 94.64                  | 9.94                           |
| 9                                                              | #7236.00       | 64.9 PK                       | 74.0              | -9.1           | 1.22 H                   | 65                         | 50.23                  | 14.70                          |
| 10                                                             | #7236.00       | 49.2 AV                       | 54.0              | -4.8           | 1.22 H                   | 65                         | 34.52                  | 14.70                          |
| 11                                                             | 11570.00       | 61.9 PK                       | 74.0              | -12.1          | 1.48 H                   | 111                        | 40.45                  | 21.44                          |
| 12                                                             | 11570.00       | 49.3 AV                       | 54.0              | -4.7           | 1.48 H                   | 111                        | 27.86                  | 21.44                          |
| <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                                                              | 2390.00        | 66.6 PK                       | 74.0              | -7.4           | 1.55 V                   | 348                        | 66.06                  | 0.52                           |
| 2                                                              | 2390.00        | 51.2 AV                       | 54.0              | -2.8           | 1.55 V                   | 348                        | 50.70                  | 0.52                           |
| 3                                                              | *2412.00       | 118.7 PK                      |                   |                | 1.55 V                   | 348                        | 118.05                 | 0.65                           |
| 4                                                              | *2412.00       | 108.6 AV                      |                   |                | 1.55 V                   | 348                        | 107.94                 | 0.65                           |
| 5                                                              | 4824.00        | 57.0 PK                       | 74.0              | -17.0          | 1.38 V                   | 359                        | 49.20                  | 7.83                           |
| 6                                                              | 4824.00        | 44.6 AV                       | 54.0              | -9.4           | 1.38 V                   | 359                        | 36.79                  | 7.83                           |
| 7                                                              | *5785.00       | 125.0 PK                      |                   |                | 2.00 V                   | 325                        | 115.03                 | 9.94                           |
| 8                                                              | *5785.00       | 114.1 AV                      |                   |                | 2.00 V                   | 325                        | 104.16                 | 9.94                           |
| 9                                                              | #7236.00       | 64.3 PK                       | 74.0              | -9.7           | 1.11 V                   | 20                         | 49.57                  | 14.70                          |
| 10                                                             | #7236.00       | 48.0 AV                       | 54.0              | -6.0           | 1.11 V                   | 20                         | 33.30                  | 14.70                          |
| 11                                                             | 11570.00       | 61.1 PK                       | 74.0              | -12.9          | 1.23 V                   | 255                        | 39.64                  | 21.44                          |
| 12                                                             | 11570.00       | 49.2 AV                       | 54.0              | -4.8           | 1.23 V                   | 255                        | 27.79                  | 21.44                          |

**REMARKS:**

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

|                 |                         |                      |           |
|-----------------|-------------------------|----------------------|-----------|
| TEST FREQUENCY  | 881.0 +1985.0+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz          |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -54.2 PK                   | -13.0       | -41.2          | 1.72 H                   | 348                        | -52.18                | -2.04                     |
| 2                                                   | 3970.00        | -51.9 PK                   | -13.0       | -38.9          | 1.26 H                   | 41                         | -57.98                | 6.05                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -53.8 PK                   | -13.0       | -40.8          | 2.26 V                   | 328                        | -51.77                | -2.04                     |
| 2                                                   | 3970.00        | -50.3 PK                   | -13.0       | -37.3          | 1.95 V                   | 20                         | -56.30                | 6.05                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 2 (CBW: 15MHz) +802.11g +802.11a**

|                        |                        |                              |              |
|------------------------|------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 881.0+1960.0+2412+5785 | <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                                                              | 2390.00        | 62.1 PK                       | 74.0              | -11.9          | 1.02 H                   | 60                         | 61.56                  | 0.52                           |
| 2                                                              | 2390.00        | 48.7 AV                       | 54.0              | -5.3           | 1.02 H                   | 60                         | 48.19                  | 0.52                           |
| 3                                                              | *2412.00       | 112.9 PK                      |                   |                | 1.02 H                   | 60                         | 112.21                 | 0.65                           |
| 4                                                              | *2412.00       | 102.4 AV                      |                   |                | 1.02 H                   | 60                         | 101.79                 | 0.65                           |
| 5                                                              | 4824.00        | 63.9 PK                       | 74.0              | -10.1          | 1.45 H                   | 269                        | 56.09                  | 7.83                           |
| 6                                                              | 4824.00        | 52.4 AV                       | 54.0              | -1.6           | 1.45 H                   | 269                        | 44.60                  | 7.83                           |
| 7                                                              | *5785.00       | 115.3 PK                      |                   |                | 1.78 H                   | 135                        | 105.35                 | 9.94                           |
| 8                                                              | *5785.00       | 105.5 AV                      |                   |                | 1.78 H                   | 135                        | 95.54                  | 9.94                           |
| 9                                                              | #7236.00       | 65.2 PK                       | 74.0              | -8.8           | 1.22 H                   | 81                         | 50.49                  | 14.70                          |
| 10                                                             | #7236.00       | 49.1 AV                       | 54.0              | -4.9           | 1.22 H                   | 81                         | 34.37                  | 14.70                          |
| 11                                                             | 11570.00       | 61.5 PK                       | 74.0              | -12.5          | 1.52 H                   | 130                        | 40.08                  | 21.44                          |
| 12                                                             | 11570.00       | 49.4 AV                       | 54.0              | -4.6           | 1.52 H                   | 130                        | 27.94                  | 21.44                          |
| <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                                                              | 2390.00        | 66.5 PK                       | 74.0              | -7.5           | 1.80 V                   | 311                        | 66.00                  | 0.52                           |
| 2                                                              | 2390.00        | 51.0 AV                       | 54.0              | -3.0           | 1.80 V                   | 311                        | 50.47                  | 0.52                           |
| 3                                                              | *2412.00       | 118.7 PK                      |                   |                | 1.80 V                   | 311                        | 118.05                 | 0.65                           |
| 4                                                              | *2412.00       | 108.3 AV                      |                   |                | 1.80 V                   | 311                        | 107.61                 | 0.65                           |
| 5                                                              | 4824.00        | 57.3 PK                       | 74.0              | -16.8          | 1.29 V                   | 360                        | 49.42                  | 7.83                           |
| 6                                                              | 4824.00        | 44.6 AV                       | 54.0              | -9.4           | 1.29 V                   | 360                        | 36.77                  | 7.83                           |
| 7                                                              | *5785.00       | 124.8 PK                      |                   |                | 1.84 V                   | 305                        | 114.86                 | 9.94                           |
| 8                                                              | *5785.00       | 114.1 AV                      |                   |                | 1.84 V                   | 305                        | 104.19                 | 9.94                           |
| 9                                                              | #7236.00       | 64.4 PK                       | 74.0              | -9.6           | 1.28 V                   | 11                         | 49.70                  | 14.70                          |
| 10                                                             | #7236.00       | 47.9 AV                       | 54.0              | -6.1           | 1.28 V                   | 11                         | 33.23                  | 14.70                          |
| 11                                                             | 11570.00       | 61.1 PK                       | 74.0              | -12.9          | 1.30 V                   | 244                        | 39.64                  | 21.44                          |
| 12                                                             | 11570.00       | 48.9 AV                       | 54.0              | -5.1           | 1.30 V                   | 244                        | 27.48                  | 21.44                          |

**REMARKS:**

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

|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 881.0+1960.0+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -54.3 PK                   | -13.0       | -41.3          | 1.80 H                   | 339                        | -52.24                | -2.04                     |
| 2                                                   | 3920.00        | -51.8 PK                   | -13.0       | -38.8          | 1.43 H                   | 58                         | -57.71                | 5.94                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -53.3 PK                   | -13.0       | -40.3          | 2.08 V                   | 344                        | -51.23                | -2.04                     |
| 2                                                   | 3920.00        | -50.1 PK                   | -13.0       | -37.1          | 1.91 V                   | 33                         | -56.05                | 5.94                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 2 (CBW: 20MHz) +802.11g +802.11a**

|                        |                        |                              |              |
|------------------------|------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 881.0+1960.0+2412+5785 | <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                                                              | 2390.00        | 62.4 PK                       | 74.0              | -11.6          | 1.01 H                   | 48                         | 61.86                  | 0.52                           |
| 2                                                              | 2390.00        | 48.7 AV                       | 54.0              | -5.3           | 1.01 H                   | 48                         | 48.19                  | 0.52                           |
| 3                                                              | *2412.00       | 112.8 PK                      |                   |                | 1.01 H                   | 48                         | 112.15                 | 0.65                           |
| 4                                                              | *2412.00       | 102.5 AV                      |                   |                | 1.01 H                   | 48                         | 101.84                 | 0.65                           |
| 5                                                              | 4824.00        | 64.0 PK                       | 74.0              | -10.0          | 1.39 H                   | 272                        | 56.19                  | 7.83                           |
| 6                                                              | 4824.00        | 52.2 AV                       | 54.0              | -1.8           | 1.39 H                   | 272                        | 44.40                  | 7.83                           |
| 7                                                              | *5785.00       | 115.3 PK                      |                   |                | 1.73 H                   | 140                        | 105.38                 | 9.94                           |
| 8                                                              | *5785.00       | 105.2 AV                      |                   |                | 1.73 H                   | 140                        | 95.26                  | 9.94                           |
| 9                                                              | #7236.00       | 65.2 PK                       | 74.0              | -8.8           | 1.29 H                   | 80                         | 50.51                  | 14.70                          |
| 10                                                             | #7236.00       | 49.2 AV                       | 54.0              | -4.8           | 1.29 H                   | 80                         | 34.47                  | 14.70                          |
| 11                                                             | 11570.00       | 61.5 PK                       | 74.0              | -12.5          | 1.49 H                   | 152                        | 40.09                  | 21.44                          |
| 12                                                             | 11570.00       | 49.3 AV                       | 54.0              | -4.7           | 1.49 H                   | 152                        | 27.89                  | 21.44                          |
| <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                                                              | 2390.00        | 66.3 PK                       | 74.0              | -7.7           | 1.70 V                   | 333                        | 65.76                  | 0.52                           |
| 2                                                              | 2390.00        | 50.8 AV                       | 54.0              | -3.3           | 1.70 V                   | 333                        | 50.23                  | 0.52                           |
| 3                                                              | *2412.00       | 118.7 PK                      |                   |                | 1.70 V                   | 333                        | 118.05                 | 0.65                           |
| 4                                                              | *2412.00       | 108.4 AV                      |                   |                | 1.70 V                   | 333                        | 107.72                 | 0.65                           |
| 5                                                              | 4824.00        | 57.4 PK                       | 74.0              | -16.6          | 1.28 V                   | 342                        | 49.60                  | 7.83                           |
| 6                                                              | 4824.00        | 44.4 AV                       | 54.0              | -9.6           | 1.28 V                   | 342                        | 36.55                  | 7.83                           |
| 7                                                              | *5785.00       | 124.7 PK                      |                   |                | 1.93 V                   | 325                        | 114.79                 | 9.94                           |
| 8                                                              | *5785.00       | 114.0 AV                      |                   |                | 1.93 V                   | 325                        | 104.06                 | 9.94                           |
| 9                                                              | #7236.00       | 64.4 PK                       | 74.0              | -9.6           | 1.42 V                   | 5                          | 49.68                  | 14.70                          |
| 10                                                             | #7236.00       | 48.2 AV                       | 54.0              | -5.8           | 1.42 V                   | 5                          | 33.50                  | 14.70                          |
| 11                                                             | 11570.00       | 61.0 PK                       | 74.0              | -13.0          | 1.31 V                   | 248                        | 39.59                  | 21.44                          |
| 12                                                             | 11570.00       | 49.1 AV                       | 54.0              | -5.0           | 1.31 V                   | 248                        | 27.61                  | 21.44                          |

**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.



|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 881.0+1960.0+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -53.3 PK                   | -13.0       | -40.3          | 1.63 H                   | 307                        | -51.21                | -2.04                     |
| 2                                                   | 3920.00        | -51.2 PK                   | -13.0       | -38.2          | 1.55 H                   | 103                        | -57.16                | 5.94                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -52.1 PK                   | -13.0       | -39.1          | 1.97 V                   | 286                        | -50.02                | -2.04                     |
| 2                                                   | 3920.00        | -50.6 PK                   | -13.0       | -37.6          | 1.66 V                   | 49                         | -56.56                | 5.94                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 4 (CBW: 5MHz) +802.11g +802.11a**

|                        |                        |                              |              |
|------------------------|------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 881.0+2132.5+2412+5785 | <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                                                              | 2390.00        | 62.8 PK                       | 74.0              | -11.2          | 1.00 H                   | 41                         | 62.28                  | 0.52                           |
| 2                                                              | 2390.00        | 48.8 AV                       | 54.0              | -5.2           | 1.00 H                   | 41                         | 48.25                  | 0.52                           |
| 3                                                              | *2412.00       | 112.4 PK                      |                   |                | 1.00 H                   | 41                         | 111.73                 | 0.65                           |
| 4                                                              | *2412.00       | 103.0 AV                      |                   |                | 1.00 H                   | 41                         | 102.37                 | 0.65                           |
| 5                                                              | 4824.00        | 64.0 PK                       | 74.0              | -10.0          | 1.42 H                   | 280                        | 56.20                  | 7.83                           |
| 6                                                              | 4824.00        | 52.5 AV                       | 54.0              | -1.5           | 1.42 H                   | 280                        | 44.66                  | 7.83                           |
| 7                                                              | *5785.00       | 115.2 PK                      |                   |                | 1.90 H                   | 142                        | 105.30                 | 9.94                           |
| 8                                                              | *5785.00       | 104.9 AV                      |                   |                | 1.90 H                   | 142                        | 94.99                  | 9.94                           |
| 9                                                              | #7236.00       | 65.2 PK                       | 74.0              | -8.8           | 1.33 H                   | 69                         | 50.52                  | 14.70                          |
| 10                                                             | #7236.00       | 49.2 AV                       | 54.0              | -4.8           | 1.33 H                   | 69                         | 34.46                  | 14.70                          |
| 11                                                             | 11570.00       | 61.3 PK                       | 74.0              | -12.7          | 1.42 H                   | 142                        | 39.85                  | 21.44                          |
| 12                                                             | 11570.00       | 49.3 AV                       | 54.0              | -4.7           | 1.42 H                   | 142                        | 27.87                  | 21.44                          |
| <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                                                              | 2390.00        | 66.8 PK                       | 74.0              | -7.2           | 1.72 V                   | 308                        | 66.30                  | 0.52                           |
| 2                                                              | 2390.00        | 50.9 AV                       | 54.0              | -3.1           | 1.72 V                   | 308                        | 50.39                  | 0.52                           |
| 3                                                              | *2412.00       | 118.6 PK                      |                   |                | 1.72 V                   | 308                        | 117.90                 | 0.65                           |
| 4                                                              | *2412.00       | 109.0 AV                      |                   |                | 1.72 V                   | 308                        | 108.37                 | 0.65                           |
| 5                                                              | 4824.00        | 57.5 PK                       | 74.0              | -16.5          | 1.39 V                   | 344                        | 49.70                  | 7.83                           |
| 6                                                              | 4824.00        | 44.4 AV                       | 54.0              | -9.6           | 1.39 V                   | 344                        | 36.55                  | 7.83                           |
| 7                                                              | *5785.00       | 125.0 PK                      |                   |                | 1.83 V                   | 298                        | 115.03                 | 9.94                           |
| 8                                                              | *5785.00       | 114.1 AV                      |                   |                | 1.83 V                   | 298                        | 104.19                 | 9.94                           |
| 9                                                              | #7236.00       | 64.4 PK                       | 74.0              | -9.6           | 1.33 V                   | 15                         | 49.68                  | 14.70                          |
| 10                                                             | #7236.00       | 48.7 AV                       | 54.0              | -5.3           | 1.33 V                   | 15                         | 33.99                  | 14.70                          |
| 11                                                             | 11570.00       | 61.1 PK                       | 74.0              | -12.9          | 1.40 V                   | 271                        | 39.64                  | 21.44                          |
| 12                                                             | 11570.00       | 49.3 AV                       | 54.0              | -4.7           | 1.40 V                   | 271                        | 27.86                  | 21.44                          |

**REMARKS:**

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

|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 881.0+2132.5+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -54.0 PK                   | -13.0       | -41.0          | 1.72 H                   | 345                        | -51.99                | -2.04                     |
| 2                                                   | 4265.00        | -52.1 PK                   | -13.0       | -39.1          | 1.44 H                   | 207                        | -58.81                | 6.70                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -52.6 PK                   | -13.0       | -39.6          | 2.08 V                   | 330                        | -50.59                | -2.04                     |
| 2                                                   | 4265.00        | -49.9 PK                   | -13.0       | -36.9          | 1.75 V                   | 100                        | -56.58                | 6.70                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 4 (CBW: 10MHz) +802.11g +802.11a**

|                        |                        |                              |              |
|------------------------|------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 881.0+2115.0+2412+5785 | <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> |                        |                                        |                           |                        |                                   |                                     |                                 |                                         |
|----------------------------------------------------------------|------------------------|----------------------------------------|---------------------------|------------------------|-----------------------------------|-------------------------------------|---------------------------------|-----------------------------------------|
| <b>NO.</b>                                                     | <b>FREQ.<br/>(MHz)</b> | <b>EMISSION<br/>LEVEL<br/>(dBuV/m)</b> | <b>LIMIT<br/>(dBuV/m)</b> | <b>MARGIN<br/>(dB)</b> | <b>ANTENNA<br/>HEIGHT<br/>(m)</b> | <b>TABLE<br/>ANGLE<br/>(Degree)</b> | <b>RAW<br/>VALUE<br/>(dBuV)</b> | <b>CORRECTION<br/>FACTOR<br/>(dB/m)</b> |
| 1                                                              | 2390.00                | 62.1 PK                                | 74.0                      | -11.9                  | 1.05 H                            | 63                                  | 61.59                           | 0.52                                    |
| 2                                                              | 2390.00                | 48.4 AV                                | 54.0                      | -5.6                   | 1.05 H                            | 63                                  | 47.86                           | 0.52                                    |
| 3                                                              | *2412.00               | 112.8 PK                               |                           |                        | 1.05 H                            | 63                                  | 112.17                          | 0.65                                    |
| 4                                                              | *2412.00               | 102.4 AV                               |                           |                        | 1.05 H                            | 63                                  | 101.79                          | 0.65                                    |
| 5                                                              | 4824.00                | 63.8 PK                                | 74.0                      | -10.2                  | 1.43 H                            | 225                                 | 56.01                           | 7.83                                    |
| 6                                                              | 4824.00                | 52.3 AV                                | 54.0                      | -1.7                   | 1.43 H                            | 225                                 | 44.50                           | 7.83                                    |
| 7                                                              | *5785.00               | 115.4 PK                               |                           |                        | 1.88 H                            | 135                                 | 105.44                          | 9.94                                    |
| 8                                                              | *5785.00               | 105.3 AV                               |                           |                        | 1.88 H                            | 135                                 | 95.35                           | 9.94                                    |
| 9                                                              | #7236.00               | 65.2 PK                                | 74.0                      | -8.8                   | 1.22 H                            | 74                                  | 50.53                           | 14.70                                   |
| 10                                                             | #7236.00               | 49.2 AV                                | 54.0                      | -4.8                   | 1.22 H                            | 74                                  | 34.51                           | 14.70                                   |
| 11                                                             | 11570.00               | 61.5 PK                                | 74.0                      | -12.5                  | 1.58 H                            | 140                                 | 40.09                           | 21.44                                   |
| 12                                                             | 11570.00               | 49.5 AV                                | 54.0                      | -4.5                   | 1.58 H                            | 140                                 | 28.06                           | 21.44                                   |
| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>   |                        |                                        |                           |                        |                                   |                                     |                                 |                                         |
| <b>NO.</b>                                                     | <b>FREQ.<br/>(MHz)</b> | <b>EMISSION<br/>LEVEL<br/>(dBuV/m)</b> | <b>LIMIT<br/>(dBuV/m)</b> | <b>MARGIN<br/>(dB)</b> | <b>ANTENNA<br/>HEIGHT<br/>(m)</b> | <b>TABLE<br/>ANGLE<br/>(Degree)</b> | <b>RAW<br/>VALUE<br/>(dBuV)</b> | <b>CORRECTION<br/>FACTOR<br/>(dB/m)</b> |
| 1                                                              | 2390.00                | 66.8 PK                                | 74.0                      | -7.2                   | 1.58 V                            | 334                                 | 66.30                           | 0.52                                    |
| 2                                                              | 2390.00                | 51.0 AV                                | 54.0                      | -3.0                   | 1.58 V                            | 334                                 | 50.47                           | 0.52                                    |
| 3                                                              | *2412.00               | 118.3 PK                               |                           |                        | 1.58 V                            | 334                                 | 117.62                          | 0.65                                    |
| 4                                                              | *2412.00               | 108.5 AV                               |                           |                        | 1.58 V                            | 334                                 | 107.84                          | 0.65                                    |
| 5                                                              | 4824.00                | 57.2 PK                                | 74.0                      | -16.8                  | 1.38 V                            | 330                                 | 49.37                           | 7.83                                    |
| 6                                                              | 4824.00                | 44.4 AV                                | 54.0                      | -9.6                   | 1.38 V                            | 330                                 | 36.56                           | 7.83                                    |
| 7                                                              | *5785.00               | 124.8 PK                               |                           |                        | 1.83 V                            | 321                                 | 114.86                          | 9.94                                    |
| 8                                                              | *5785.00               | 114.0 AV                               |                           |                        | 1.83 V                            | 321                                 | 104.06                          | 9.94                                    |
| 9                                                              | #7236.00               | 64.4 PK                                | 74.0                      | -9.7                   | 1.40 V                            | 22                                  | 49.65                           | 14.70                                   |
| 10                                                             | #7236.00               | 48.1 AV                                | 54.0                      | -5.9                   | 1.40 V                            | 22                                  | 33.37                           | 14.70                                   |
| 11                                                             | 11570.00               | 61.3 PK                                | 74.0                      | -12.7                  | 1.28 V                            | 273                                 | 39.86                           | 21.44                                   |
| 12                                                             | 11570.00               | 49.0 AV                                | 54.0                      | -5.0                   | 1.28 V                            | 273                                 | 27.58                           | 21.44                                   |

**REMARKS:**

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

|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 881.0+2115.0+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -53.9 PK                   | -13.0       | -40.9          | 1.78 H                   | 359                        | -51.82                | -2.04                     |
| 2                                                   | 4230.00        | -52.0 PK                   | -13.0       | -39.0          | 1.52 H                   | 193                        | -58.67                | 6.68                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -52.8 PK                   | -13.0       | -39.8          | 1.65 V                   | 350                        | -50.76                | -2.04                     |
| 2                                                   | 4230.00        | -50.6 PK                   | -13.0       | -37.6          | 1.39 V                   | 200                        | -57.31                | 6.68                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 4 (CBW: 15MHz) +802.11g +802.11a**

|                        |                        |                              |              |
|------------------------|------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 881.0+2147.5+2412+5785 | <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> |                        |                                        |                           |                        |                                   |                                     |                                 |                                         |
|----------------------------------------------------------------|------------------------|----------------------------------------|---------------------------|------------------------|-----------------------------------|-------------------------------------|---------------------------------|-----------------------------------------|
| <b>NO.</b>                                                     | <b>FREQ.<br/>(MHz)</b> | <b>EMISSION<br/>LEVEL<br/>(dBuV/m)</b> | <b>LIMIT<br/>(dBuV/m)</b> | <b>MARGIN<br/>(dB)</b> | <b>ANTENNA<br/>HEIGHT<br/>(m)</b> | <b>TABLE<br/>ANGLE<br/>(Degree)</b> | <b>RAW<br/>VALUE<br/>(dBuV)</b> | <b>CORRECTION<br/>FACTOR<br/>(dB/m)</b> |
| 1                                                              | 2390.00                | 62.9 PK                                | 74.0                      | -11.1                  | 1.00 H                            | 38                                  | 62.35                           | 0.52                                    |
| 2                                                              | 2390.00                | 48.1 AV                                | 54.0                      | -5.9                   | 1.00 H                            | 38                                  | 47.59                           | 0.52                                    |
| 3                                                              | *2412.00               | 112.7 PK                               |                           |                        | 1.00 H                            | 38                                  | 112.03                          | 0.65                                    |
| 4                                                              | *2412.00               | 102.5 AV                               |                           |                        | 1.00 H                            | 38                                  | 101.84                          | 0.65                                    |
| 5                                                              | 4824.00                | 63.9 PK                                | 74.0                      | -10.2                  | 1.43 H                            | 229                                 | 56.02                           | 7.83                                    |
| 6                                                              | 4824.00                | 52.4 AV                                | 54.0                      | -1.6                   | 1.43 H                            | 229                                 | 44.58                           | 7.83                                    |
| 7                                                              | *5785.00               | 115.4 PK                               |                           |                        | 1.73 H                            | 142                                 | 105.44                          | 9.94                                    |
| 8                                                              | *5785.00               | 105.2 AV                               |                           |                        | 1.73 H                            | 142                                 | 95.26                           | 9.94                                    |
| 9                                                              | #7236.00               | 65.3 PK                                | 74.0                      | -8.7                   | 1.24 H                            | 88                                  | 50.57                           | 14.70                                   |
| 10                                                             | #7236.00               | 49.0 AV                                | 54.0                      | -5.0                   | 1.24 H                            | 88                                  | 34.33                           | 14.70                                   |
| 11                                                             | 11570.00               | 61.3 PK                                | 74.0                      | -12.7                  | 1.48 H                            | 144                                 | 39.89                           | 21.44                                   |
| 12                                                             | 11570.00               | 49.3 AV                                | 54.0                      | -4.7                   | 1.48 H                            | 144                                 | 27.84                           | 21.44                                   |
| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>   |                        |                                        |                           |                        |                                   |                                     |                                 |                                         |
| <b>NO.</b>                                                     | <b>FREQ.<br/>(MHz)</b> | <b>EMISSION<br/>LEVEL<br/>(dBuV/m)</b> | <b>LIMIT<br/>(dBuV/m)</b> | <b>MARGIN<br/>(dB)</b> | <b>ANTENNA<br/>HEIGHT<br/>(m)</b> | <b>TABLE<br/>ANGLE<br/>(Degree)</b> | <b>RAW<br/>VALUE<br/>(dBuV)</b> | <b>CORRECTION<br/>FACTOR<br/>(dB/m)</b> |
| 1                                                              | 2390.00                | 66.6 PK                                | 74.0                      | -7.4                   | 1.48 V                            | 309                                 | 66.06                           | 0.52                                    |
| 2                                                              | 2390.00                | 50.7 AV                                | 54.0                      | -3.3                   | 1.48 V                            | 309                                 | 50.21                           | 0.52                                    |
| 3                                                              | *2412.00               | 118.7 PK                               |                           |                        | 1.48 V                            | 309                                 | 118.07                          | 0.65                                    |
| 4                                                              | *2412.00               | 108.4 AV                               |                           |                        | 1.48 V                            | 309                                 | 107.70                          | 0.65                                    |
| 5                                                              | 4824.00                | 57.3 PK                                | 74.0                      | -16.7                  | 1.35 V                            | 339                                 | 49.50                           | 7.83                                    |
| 6                                                              | 4824.00                | 44.4 AV                                | 54.0                      | -9.6                   | 1.35 V                            | 339                                 | 36.56                           | 7.83                                    |
| 7                                                              | *5785.00               | 124.9 PK                               |                           |                        | 1.95 V                            | 306                                 | 114.99                          | 9.94                                    |
| 8                                                              | *5785.00               | 114.0 AV                               |                           |                        | 1.95 V                            | 306                                 | 104.08                          | 9.94                                    |
| 9                                                              | #7236.00               | 64.8 PK                                | 74.0                      | -9.2                   | 1.32 V                            | 8                                   | 50.07                           | 14.70                                   |
| 10                                                             | #7236.00               | 48.3 AV                                | 54.0                      | -5.8                   | 1.32 V                            | 8                                   | 33.55                           | 14.70                                   |
| 11                                                             | 11570.00               | 61.1 PK                                | 74.0                      | -12.9                  | 1.23 V                            | 245                                 | 39.65                           | 21.44                                   |
| 12                                                             | 11570.00               | 49.2 AV                                | 54.0                      | -4.8                   | 1.23 V                            | 245                                 | 27.74                           | 21.44                                   |

**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.

|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 881.0+2147.5+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -53.9 PK                   | -13.0       | -40.9          | 1.82 H                   | 360                        | -51.83                | -2.04                     |
| 2                                                   | 4295.00        | -51.6 PK                   | -13.0       | -38.6          | 1.58 H                   | 176                        | -58.27                | 6.72                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -52.8 PK                   | -13.0       | -39.8          | 1.70 V                   | 332                        | -50.72                | -2.04                     |
| 2                                                   | 4295.00        | -50.9 PK                   | -13.0       | -37.9          | 1.46 V                   | 220                        | -57.59                | 6.72                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 4 (CBW: 20MHz) +802.11g +802.11a**

|                        |                        |                              |              |
|------------------------|------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 881.0+2132.5+2412+5785 | <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                                                              | 2390.00        | 62.4 PK                       | 74.0              | -11.6          | 1.03 H                   | 42                         | 61.86                  | 0.52                           |
| 2                                                              | 2390.00        | 48.4 AV                       | 54.0              | -5.6           | 1.03 H                   | 42                         | 47.87                  | 0.52                           |
| 3                                                              | *2412.00       | 112.6 PK                      |                   |                | 1.03 H                   | 42                         | 111.90                 | 0.65                           |
| 4                                                              | *2412.00       | 102.6 AV                      |                   |                | 1.03 H                   | 42                         | 101.98                 | 0.65                           |
| 5                                                              | 4824.00        | 64.0 PK                       | 74.0              | -10.0          | 1.40 H                   | 283                        | 56.14                  | 7.83                           |
| 6                                                              | 4824.00        | 52.7 AV                       | 54.0              | -1.3           | 1.40 H                   | 283                        | 44.83                  | 7.83                           |
| 7                                                              | *5785.00       | 115.2 PK                      |                   |                | 1.85 H                   | 133                        | 105.28                 | 9.94                           |
| 8                                                              | *5785.00       | 105.3 AV                      |                   |                | 1.85 H                   | 133                        | 95.34                  | 9.94                           |
| 9                                                              | #7236.00       | 65.3 PK                       | 74.0              | -8.7           | 1.34 H                   | 82                         | 50.58                  | 14.70                          |
| 10                                                             | #7236.00       | 49.1 AV                       | 54.0              | -4.9           | 1.34 H                   | 82                         | 34.40                  | 14.70                          |
| 11                                                             | 11570.00       | 61.7 PK                       | 74.0              | -12.3          | 1.57 H                   | 137                        | 40.29                  | 21.44                          |
| 12                                                             | 11570.00       | 49.3 AV                       | 54.0              | -4.7           | 1.57 H                   | 137                        | 27.83                  | 21.44                          |
| <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                                                              | 2390.00        | 66.8 PK                       | 74.0              | -7.2           | 1.58 V                   | 347                        | 66.30                  | 0.52                           |
| 2                                                              | 2390.00        | 50.7 AV                       | 54.0              | -3.3           | 1.58 V                   | 347                        | 50.19                  | 0.52                           |
| 3                                                              | *2412.00       | 118.6 PK                      |                   |                | 1.58 V                   | 347                        | 117.99                 | 0.65                           |
| 4                                                              | *2412.00       | 108.9 AV                      |                   |                | 1.58 V                   | 347                        | 108.26                 | 0.65                           |
| 5                                                              | 4824.00        | 57.1 PK                       | 74.0              | -16.9          | 1.33 V                   | 356                        | 49.23                  | 7.83                           |
| 6                                                              | 4824.00        | 44.5 AV                       | 54.0              | -9.5           | 1.33 V                   | 356                        | 36.66                  | 7.83                           |
| 7                                                              | *5785.00       | 124.8 PK                      |                   |                | 1.82 V                   | 330                        | 114.89                 | 9.94                           |
| 8                                                              | *5785.00       | 114.1 AV                      |                   |                | 1.82 V                   | 330                        | 104.17                 | 9.94                           |
| 9                                                              | #7236.00       | 64.3 PK                       | 74.0              | -9.7           | 1.30 V                   | 4                          | 49.63                  | 14.70                          |
| 10                                                             | #7236.00       | 48.1 AV                       | 54.0              | -5.9           | 1.30 V                   | 4                          | 33.38                  | 14.70                          |
| 11                                                             | 11570.00       | 61.3 PK                       | 74.0              | -12.7          | 1.18 V                   | 243                        | 39.86                  | 21.44                          |
| 12                                                             | 11570.00       | 49.1 AV                       | 54.0              | -4.9           | 1.18 V                   | 243                        | 27.67                  | 21.44                          |

**REMARKS:**

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



|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 881.0+2132.5+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -54.3 PK                   | -13.0       | -41.3          | 1.82 H                   | 360                        | -52.24                | -2.04                     |
| 2                                                   | 4265.00        | -52.2 PK                   | -13.0       | -39.2          | 1.38 H                   | 166                        | -58.86                | 6.70                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1763.00        | -53.1 PK                   | -13.0       | -40.1          | 2.50 V                   | 328                        | -51.07                | -2.04                     |
| 2                                                   | 4265.00        | -51.3 PK                   | -13.0       | -38.3          | 1.44 V                   | 218                        | -57.96                | 6.70                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a**

|                        |                       |                              |              |
|------------------------|-----------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 881.0+731.5+2412+5785 | <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                                                              | 2390.00        | 62.4 PK                       | 74.0              | -11.6          | 1.00 H                   | 34                         | 61.86                  | 0.52                           |
| 2                                                              | 2390.00        | 48.6 AV                       | 54.0              | -5.4           | 1.00 H                   | 34                         | 48.10                  | 0.52                           |
| 3                                                              | *2412.00       | 112.7 PK                      |                   |                | 1.00 H                   | 34                         | 112.06                 | 0.65                           |
| 4                                                              | *2412.00       | 102.4 AV                      |                   |                | 1.00 H                   | 34                         | 101.78                 | 0.65                           |
| 5                                                              | 4824.00        | 64.0 PK                       | 74.0              | -10.0          | 1.45 H                   | 278                        | 56.19                  | 7.83                           |
| 6                                                              | 4824.00        | 52.4 AV                       | 54.0              | -1.6           | 1.45 H                   | 278                        | 44.56                  | 7.83                           |
| 7                                                              | *5785.00       | 115.4 PK                      |                   |                | 1.85 H                   | 135                        | 105.49                 | 9.94                           |
| 8                                                              | *5785.00       | 105.4 AV                      |                   |                | 1.85 H                   | 135                        | 95.45                  | 9.94                           |
| 9                                                              | #7236.00       | 65.2 PK                       | 74.0              | -8.8           | 1.23 H                   | 71                         | 50.51                  | 14.70                          |
| 10                                                             | #7236.00       | 49.3 AV                       | 54.0              | -4.7           | 1.23 H                   | 71                         | 34.58                  | 14.70                          |
| 11                                                             | 11570.00       | 61.7 PK                       | 74.0              | -12.3          | 1.58 H                   | 134                        | 40.25                  | 21.44                          |
| 12                                                             | 11570.00       | 49.4 AV                       | 54.0              | -4.6           | 1.58 H                   | 134                        | 27.93                  | 21.44                          |
| <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                                                              | 2390.00        | 66.7 PK                       | 74.0              | -7.3           | 1.60 V                   | 322                        | 66.19                  | 0.52                           |
| 2                                                              | 2390.00        | 50.9 AV                       | 54.0              | -3.1           | 1.60 V                   | 322                        | 50.40                  | 0.52                           |
| 3                                                              | *2412.00       | 118.4 PK                      |                   |                | 1.60 V                   | 322                        | 117.77                 | 0.65                           |
| 4                                                              | *2412.00       | 108.2 AV                      |                   |                | 1.60 V                   | 322                        | 107.51                 | 0.65                           |
| 5                                                              | 4824.00        | 57.0 PK                       | 74.0              | -17.0          | 1.38 V                   | 347                        | 49.20                  | 7.83                           |
| 6                                                              | 4824.00        | 44.6 AV                       | 54.0              | -9.4           | 1.38 V                   | 347                        | 36.77                  | 7.83                           |
| 7                                                              | *5785.00       | 124.8 PK                      |                   |                | 1.91 V                   | 331                        | 114.86                 | 9.94                           |
| 8                                                              | *5785.00       | 114.2 AV                      |                   |                | 1.91 V                   | 331                        | 104.22                 | 9.94                           |
| 9                                                              | #7236.00       | 64.3 PK                       | 74.0              | -9.7           | 1.31 V                   | 8                          | 49.64                  | 14.70                          |
| 10                                                             | #7236.00       | 41.3 AV                       | 54.0              | -12.7          | 1.31 V                   | 8                          | 26.57                  | 14.70                          |
| 11                                                             | 11570.00       | 61.3 PK                       | 74.0              | -12.7          | 1.26 V                   | 255                        | 39.88                  | 21.44                          |
| 12                                                             | 11570.00       | 49.1 AV                       | 54.0              | -4.9           | 1.26 V                   | 255                        | 27.69                  | 21.44                          |

**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.

|                 |                       |                      |           |
|-----------------|-----------------------|----------------------|-----------|
| TEST FREQUENCY  | 881.0+731.5+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz        |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1463.00        | -52.7 PK                   | -13.0       | -39.7          | 1.23 H                   | 181                        | -50.01                | -2.70                     |
| 2                                                   | 1763.00        | -54.6 PK                   | -13.0       | -41.6          | 1.75 H                   | 353                        | -52.58                | -2.04                     |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1463.00        | -51.8 PK                   | -13.0       | -38.8          | 1.59 V                   | 268                        | -49.12                | -2.70                     |
| 2                                                   | 1763.00        | -53.5 PK                   | -13.0       | -40.5          | 2.44 V                   | 348                        | -51.46                | -2.04                     |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a**

|                        |                       |                              |              |
|------------------------|-----------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 881.0+740.0+2412+5785 | <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                                                              | 2390.00        | 62.3 PK                       | 74.0              | -11.7          | 1.04 H                   | 38                         | 61.78                  | 0.52                           |
| 2                                                              | 2390.00        | 48.6 AV                       | 54.0              | -5.4           | 1.04 H                   | 38                         | 48.06                  | 0.52                           |
| 3                                                              | *2412.00       | 112.8 PK                      |                   |                | 1.04 H                   | 38                         | 112.17                 | 0.65                           |
| 4                                                              | *2412.00       | 102.5 AV                      |                   |                | 1.04 H                   | 38                         | 101.84                 | 0.65                           |
| 5                                                              | 4824.00        | 63.9 PK                       | 74.0              | -10.1          | 1.40 H                   | 268                        | 56.04                  | 7.83                           |
| 6                                                              | 4824.00        | 52.6 AV                       | 54.0              | -1.4           | 1.40 H                   | 268                        | 44.80                  | 7.83                           |
| 7                                                              | *5785.00       | 115.4 PK                      |                   |                | 1.89 H                   | 135                        | 105.44                 | 9.94                           |
| 8                                                              | *5785.00       | 105.0 AV                      |                   |                | 1.89 H                   | 135                        | 95.05                  | 9.94                           |
| 9                                                              | #7236.00       | 65.4 PK                       | 74.0              | -8.6           | 1.22 H                   | 80                         | 50.74                  | 14.70                          |
| 10                                                             | #7236.00       | 49.2 AV                       | 54.0              | -4.8           | 1.22 H                   | 80                         | 34.53                  | 14.70                          |
| 11                                                             | 11570.00       | 61.4 PK                       | 74.0              | -12.6          | 1.48 H                   | 134                        | 39.94                  | 21.44                          |
| 12                                                             | 11570.00       | 49.3 AV                       | 54.0              | -4.7           | 1.48 H                   | 134                        | 27.83                  | 21.44                          |
| <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                                                              | 2390.00        | 66.8 PK                       | 74.0              | -7.2           | 1.57 V                   | 320                        | 66.29                  | 0.52                           |
| 2                                                              | 2390.00        | 50.8 AV                       | 54.0              | -3.2           | 1.57 V                   | 320                        | 50.31                  | 0.52                           |
| 3                                                              | *2412.00       | 118.7 PK                      |                   |                | 1.57 V                   | 320                        | 118.08                 | 0.65                           |
| 4                                                              | *2412.00       | 108.6 AV                      |                   |                | 1.57 V                   | 320                        | 107.97                 | 0.65                           |
| 5                                                              | 4824.00        | 57.1 PK                       | 74.0              | -16.9          | 1.30 V                   | 355                        | 49.26                  | 7.83                           |
| 6                                                              | 4824.00        | 44.4 AV                       | 54.0              | -9.6           | 1.30 V                   | 355                        | 36.55                  | 7.83                           |
| 7                                                              | *5785.00       | 124.9 PK                      |                   |                | 1.96 V                   | 308                        | 114.99                 | 9.94                           |
| 8                                                              | *5785.00       | 114.0 AV                      |                   |                | 1.96 V                   | 308                        | 104.08                 | 9.94                           |
| 9                                                              | #7236.00       | 64.4 PK                       | 74.0              | -9.6           | 1.33 V                   | 8                          | 49.74                  | 14.70                          |
| 10                                                             | #7236.00       | 48.2 AV                       | 54.0              | -5.9           | 1.33 V                   | 8                          | 33.45                  | 14.70                          |
| 11                                                             | 11570.00       | 61.3 PK                       | 74.0              | -12.7          | 1.25 V                   | 256                        | 39.86                  | 21.44                          |
| 12                                                             | 11570.00       | 49.0 AV                       | 54.0              | -5.0           | 1.25 V                   | 256                        | 27.56                  | 21.44                          |

**REMARKS:**

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

|                 |                       |                      |           |
|-----------------|-----------------------|----------------------|-----------|
| TEST FREQUENCY  | 881.0+740.0+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz        |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1480.00        | -52.3 PK                   | -13.0       | -39.3          | 2.08 H                   | 59                         | -49.75                | -2.55                     |
| 2                                                   | 1763.00        | -54.2 PK                   | -13.0       | -41.2          | 1.70 H                   | 340                        | -52.18                | -2.04                     |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1480.00        | -50.6 PK                   | -13.0       | -37.6          | 1.83 V                   | 76                         | -48.07                | -2.55                     |
| 2                                                   | 1763.00        | -53.5 PK                   | -13.0       | -40.5          | 2.34 V                   | 345                        | -51.48                | -2.04                     |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 4 (CBW: 5MHz) +802.11g +802.11a**

|                        |                         |                              |              |
|------------------------|-------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 1960.0+2132.5+2412+5785 | <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                                                              | 2390.00        | 62.4 PK                       | 74.0              | -11.6          | 1.03 H                   | 51                         | 61.86                  | 0.52                           |
| 2                                                              | 2390.00        | 48.6 AV                       | 54.0              | -5.5           | 1.03 H                   | 51                         | 48.03                  | 0.52                           |
| 3                                                              | *2412.00       | 112.7 PK                      |                   |                | 1.03 H                   | 51                         | 112.00                 | 0.65                           |
| 4                                                              | *2412.00       | 102.3 AV                      |                   |                | 1.03 H                   | 51                         | 101.66                 | 0.65                           |
| 5                                                              | 4824.00        | 63.9 PK                       | 74.0              | -10.1          | 1.42 H                   | 283                        | 56.04                  | 7.83                           |
| 6                                                              | 4824.00        | 52.3 AV                       | 54.0              | -1.7           | 1.42 H                   | 283                        | 44.50                  | 7.83                           |
| 7                                                              | *5785.00       | 115.2 PK                      |                   |                | 1.82 H                   | 150                        | 105.26                 | 9.94                           |
| 8                                                              | *5785.00       | 105.1 AV                      |                   |                | 1.82 H                   | 150                        | 95.17                  | 9.94                           |
| 9                                                              | #7236.00       | 65.4 PK                       | 74.0              | -8.6           | 1.26 H                   | 90                         | 50.70                  | 14.70                          |
| 10                                                             | #7236.00       | 49.0 AV                       | 54.0              | -5.0           | 1.26 H                   | 90                         | 34.31                  | 14.70                          |
| 11                                                             | 11570.00       | 61.4 PK                       | 74.0              | -12.6          | 1.53 H                   | 127                        | 39.94                  | 21.44                          |
| 12                                                             | 11570.00       | 49.4 AV                       | 54.0              | -4.6           | 1.53 H                   | 127                        | 28.00                  | 21.44                          |
| <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                                                              | 2390.00        | 66.7 PK                       | 74.0              | -7.3           | 1.51 V                   | 324                        | 66.18                  | 0.52                           |
| 2                                                              | 2390.00        | 50.9 AV                       | 54.0              | -3.1           | 1.51 V                   | 324                        | 50.41                  | 0.52                           |
| 3                                                              | *2412.00       | 118.6 PK                      |                   |                | 1.51 V                   | 324                        | 117.90                 | 0.65                           |
| 4                                                              | *2412.00       | 108.6 AV                      |                   |                | 1.51 V                   | 324                        | 107.96                 | 0.65                           |
| 5                                                              | 4824.00        | 57.4 PK                       | 74.0              | -16.6          | 1.39 V                   | 347                        | 49.56                  | 7.83                           |
| 6                                                              | 4824.00        | 44.1 AV                       | 54.0              | -9.9           | 1.39 V                   | 347                        | 36.27                  | 7.83                           |
| 7                                                              | *5785.00       | 124.8 PK                      |                   |                | 2.03 V                   | 309                        | 114.85                 | 9.94                           |
| 8                                                              | *5785.00       | 114.0 AV                      |                   |                | 2.03 V                   | 309                        | 104.08                 | 9.94                           |
| 9                                                              | #7236.00       | 63.8 PK                       | 74.0              | -10.2          | 1.25 V                   | 3                          | 49.11                  | 14.70                          |
| 10                                                             | #7236.00       | 48.1 AV                       | 54.0              | -5.9           | 1.25 V                   | 3                          | 33.37                  | 14.70                          |
| 11                                                             | 11570.00       | 61.2 PK                       | 74.0              | -12.8          | 1.22 V                   | 263                        | 39.74                  | 21.44                          |
| 12                                                             | 11570.00       | 49.0 AV                       | 54.0              | -5.0           | 1.22 V                   | 263                        | 27.59                  | 21.44                          |

**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.

|                 |                         |                      |           |
|-----------------|-------------------------|----------------------|-----------|
| TEST FREQUENCY  | 1960.0+2132.5+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz          |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 3920.00        | -54.8 PK                   | -13.0       | -41.8          | 1.85 H                   | 237                        | -60.71                | 5.94                      |
| 2                                                   | 4265.00        | -53.2 PK                   | -13.0       | -40.2          | 1.48 H                   | 266                        | -59.88                | 6.70                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 3920.00        | -53.9 PK                   | -13.0       | -40.9          | 1.52 V                   | 297                        | -59.80                | 5.94                      |
| 2                                                   | 4265.00        | -52.6 PK                   | -13.0       | -39.6          | 1.08 V                   | 242                        | -59.33                | 6.70                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 4 (CBW: 10MHz) +802.11g +802.11a**

|                        |                         |                              |              |
|------------------------|-------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 1960.0+2115.0+2412+5785 | <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                                                              | 2390.00        | 62.3 PK                       | 74.0              | -11.7          | 1.00 H                   | 50                         | 61.81                  | 0.52                           |
| 2                                                              | 2390.00        | 48.4 AV                       | 54.0              | -5.6           | 1.00 H                   | 50                         | 47.84                  | 0.52                           |
| 3                                                              | *2412.00       | 112.4 PK                      |                   |                | 1.00 H                   | 50                         | 111.73                 | 0.65                           |
| 4                                                              | *2412.00       | 102.1 AV                      |                   |                | 1.00 H                   | 50                         | 101.44                 | 0.65                           |
| 5                                                              | 4824.00        | 64.1 PK                       | 74.0              | -9.9           | 1.44 H                   | 300                        | 56.25                  | 7.83                           |
| 6                                                              | 4824.00        | 52.3 AV                       | 54.0              | -1.7           | 1.44 H                   | 300                        | 44.50                  | 7.83                           |
| 7                                                              | *5785.00       | 115.4 PK                      |                   |                | 1.83 H                   | 130                        | 107.69                 | 7.73                           |
| 8                                                              | *5785.00       | 105.0 AV                      |                   |                | 1.83 H                   | 130                        | 97.30                  | 7.73                           |
| 9                                                              | #7236.00       | 65.2 PK                       | 74.0              | -8.8           | 1.19 H                   | 74                         | 50.51                  | 14.70                          |
| 10                                                             | #7236.00       | 48.9 AV                       | 54.0              | -5.1           | 1.19 H                   | 74                         | 34.23                  | 14.70                          |
| 11                                                             | 11570.00       | 61.4 PK                       | 74.0              | -12.6          | 1.48 H                   | 134                        | 39.94                  | 21.44                          |
| 12                                                             | 11570.00       | 49.2 AV                       | 54.0              | -4.8           | 1.48 H                   | 134                        | 27.80                  | 21.44                          |
| <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                                                              | 2390.00        | 66.7 PK                       | 74.0              | -7.3           | 1.53 V                   | 317                        | 66.18                  | 0.52                           |
| 2                                                              | 2390.00        | 50.8 AV                       | 54.0              | -3.2           | 1.53 V                   | 317                        | 50.31                  | 0.52                           |
| 3                                                              | *2412.00       | 118.4 PK                      |                   |                | 1.53 V                   | 317                        | 117.77                 | 0.65                           |
| 4                                                              | *2412.00       | 108.7 AV                      |                   |                | 1.53 V                   | 317                        | 108.08                 | 0.65                           |
| 5                                                              | 4824.00        | 57.3 PK                       | 74.0              | -16.7          | 1.27 V                   | 345                        | 49.50                  | 7.83                           |
| 6                                                              | 4824.00        | 44.1 AV                       | 54.0              | -9.9           | 1.27 V                   | 345                        | 36.27                  | 7.83                           |
| 7                                                              | *5785.00       | 124.7 PK                      |                   |                | 1.90 V                   | 328                        | 114.79                 | 9.94                           |
| 8                                                              | *5785.00       | 113.9 AV                      |                   |                | 1.90 V                   | 328                        | 103.91                 | 9.94                           |
| 9                                                              | #7236.00       | 64.8 PK                       | 74.0              | -9.2           | 1.45 V                   | 21                         | 50.12                  | 14.70                          |
| 10                                                             | #7236.00       | 48.2 AV                       | 54.0              | -5.8           | 1.45 V                   | 21                         | 33.53                  | 14.70                          |
| 11                                                             | 11570.00       | 61.0 PK                       | 74.0              | -13.0          | 1.34 V                   | 223                        | 39.59                  | 21.44                          |
| 12                                                             | 11570.00       | 49.1 AV                       | 54.0              | -4.9           | 1.34 V                   | 223                        | 27.68                  | 21.44                          |

**REMARKS:**

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



|                 |                         |                      |           |
|-----------------|-------------------------|----------------------|-----------|
| TEST FREQUENCY  | 1960.0+2115.0+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz          |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 3920.00        | -54.7 PK                   | -13.0       | -41.7          | 1.79 H                   | 263                        | -60.59                | 5.94                      |
| 2                                                   | 4230.00        | -53.0 PK                   | -13.0       | -40.0          | 1.38 H                   | 217                        | -59.70                | 6.68                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 3920.00        | -53.2 PK                   | -13.0       | -40.2          | 1.54 V                   | 307                        | -59.12                | 5.94                      |
| 2                                                   | 4230.00        | -52.1 PK                   | -13.0       | -39.1          | 1.00 V                   | 238                        | -58.75                | 6.68                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 4 (CBW: 15MHz) +802.11g +802.11a**

|                        |                         |                          |              |
|------------------------|-------------------------|--------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 1960.0+2147.5+2412+5785 | <b>DETECTOR 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. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                              | 2390.00     | 62.3 PK                 | 74.0           | -11.7       | 1.08 H             | 37                   | 61.82            | 0.52                     |
| 2                                                              | 2390.00     | 48.2 AV                 | 54.0           | -5.8        | 1.08 H             | 37                   | 47.66            | 0.52                     |
| 3                                                              | *2412.00    | 112.6 PK                |                |             | 1.08 H             | 37                   | 111.98           | 0.65                     |
| 4                                                              | *2412.00    | 102.5 AV                |                |             | 1.08 H             | 37                   | 101.80           | 0.65                     |
| 5                                                              | 4824.00     | 63.8 PK                 | 74.0           | -10.3       | 1.13 H             | 283                  | 55.92            | 7.83                     |
| 6                                                              | 4824.00     | 52.4 AV                 | 54.0           | -1.6        | 1.13 H             | 283                  | 44.60            | 7.83                     |
| 7                                                              | *5785.00    | 115.3 PK                |                |             | 1.90 H             | 131                  | 105.40           | 9.94                     |
| 8                                                              | *5785.00    | 105.9 AV                |                |             | 1.90 H             | 131                  | 95.93            | 9.94                     |
| 9                                                              | #7236.00    | 65.1 PK                 | 74.0           | -8.9        | 1.33 H             | 67                   | 50.39            | 14.70                    |
| 10                                                             | #7236.00    | 49.0 AV                 | 54.0           | -5.0        | 1.33 H             | 67                   | 34.27            | 14.70                    |
| 11                                                             | 11570.00    | 61.8 PK                 | 74.0           | -12.2       | 1.43 H             | 112                  | 40.38            | 21.44                    |
| 12                                                             | 11570.00    | 49.4 AV                 | 54.0           | -4.6        | 1.43 H             | 112                  | 27.93            | 21.44                    |
| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>   |             |                         |                |             |                    |                      |                  |                          |
| 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                                                              | 2390.00     | 66.2 PK                 | 74.0           | -7.8        | 1.68 V             | 297                  | 65.70            | 0.52                     |
| 2                                                              | 2390.00     | 50.9 AV                 | 54.0           | -3.1        | 1.68 V             | 297                  | 50.34            | 0.52                     |
| 3                                                              | *2412.00    | 118.6 PK                |                |             | 1.68 V             | 297                  | 117.98           | 0.65                     |
| 4                                                              | *2412.00    | 108.2 AV                |                |             | 1.68 V             | 297                  | 107.52           | 0.65                     |
| 5                                                              | 4824.00     | 57.0 PK                 | 74.0           | -17.0       | 1.38 V             | 352                  | 49.21            | 7.83                     |
| 6                                                              | 4824.00     | 44.3 AV                 | 54.0           | -9.7        | 1.38 V             | 352                  | 36.49            | 7.83                     |
| 7                                                              | *5785.00    | 124.8 PK                |                |             | 1.83 V             | 330                  | 114.89           | 9.94                     |
| 8                                                              | *5785.00    | 114.0 AV                |                |             | 1.83 V             | 330                  | 104.10           | 9.94                     |
| 9                                                              | #7236.00    | 64.2 PK                 | 74.0           | -9.9        | 1.31 V             | 0                    | 49.45            | 14.70                    |
| 10                                                             | #7236.00    | 48.1 AV                 | 54.0           | -5.9        | 1.31 V             | 0                    | 33.38            | 14.70                    |
| 11                                                             | 11570.00    | 61.2 PK                 | 74.0           | -12.8       | 1.24 V             | 233                  | 39.79            | 21.44                    |
| 12                                                             | 11570.00    | 48.8 AV                 | 54.0           | -5.2        | 1.24 V             | 233                  | 27.34            | 21.44                    |

**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.

|                 |                         |                      |           |
|-----------------|-------------------------|----------------------|-----------|
| TEST FREQUENCY  | 1960.0+2147.5+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz          |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 3920.00        | -54.3 PK                   | -13.0       | -41.3          | 1.79 H                   | 236                        | -60.22                | 5.94                      |
| 2                                                   | 4295.00        | -52.9 PK                   | -13.0       | -39.9          | 1.65 H                   | 254                        | -59.61                | 6.72                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 3920.00        | -53.1 PK                   | -13.0       | -40.1          | 1.60 V                   | 302                        | -59.05                | 5.94                      |
| 2                                                   | 4295.00        | -51.9 PK                   | -13.0       | -38.9          | 1.28 V                   | 206                        | -58.62                | 6.72                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 4 (CBW: 20MHz) +802.11g +802.11a**

|                        |                         |                              |              |
|------------------------|-------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 1960.0+2132.5+2412+5785 | <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                                                              | 2390.00        | 62.4 PK                       | 74.0              | -11.6          | 1.02 H                   | 43                         | 61.86                  | 0.52                           |
| 2                                                              | 2390.00        | 48.2 AV                       | 54.0              | -5.8           | 1.02 H                   | 43                         | 47.67                  | 0.52                           |
| 3                                                              | *2412.00       | 112.6 PK                      |                   |                | 1.02 H                   | 43                         | 111.93                 | 0.65                           |
| 4                                                              | *2412.00       | 102.5 AV                      |                   |                | 1.02 H                   | 43                         | 101.84                 | 0.65                           |
| 5                                                              | 4824.00        | 64.0 PK                       | 74.0              | -10.0          | 1.44 H                   | 283                        | 56.17                  | 7.83                           |
| 6                                                              | 4824.00        | 52.3 AV                       | 54.0              | -1.7           | 1.44 H                   | 283                        | 44.45                  | 7.83                           |
| 7                                                              | *5785.00       | 115.3 PK                      |                   |                | 1.88 H                   | 142                        | 105.38                 | 9.94                           |
| 8                                                              | *5785.00       | 105.1 AV                      |                   |                | 1.88 H                   | 142                        | 95.18                  | 9.94                           |
| 9                                                              | #7236.00       | 65.4 PK                       | 74.0              | -8.6           | 1.13 H                   | 82                         | 50.68                  | 14.70                          |
| 10                                                             | #7236.00       | 49.2 AV                       | 54.0              | -4.8           | 1.13 H                   | 82                         | 34.50                  | 14.70                          |
| 11                                                             | 11570.00       | 61.4 PK                       | 74.0              | -12.6          | 1.54 H                   | 131                        | 39.99                  | 21.44                          |
| 12                                                             | 11570.00       | 49.9 AV                       | 54.0              | -4.1           | 1.54 H                   | 131                        | 28.43                  | 21.44                          |
| <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                                                              | 2390.00        | 66.3 PK                       | 74.0              | -7.7           | 1.77 V                   | 284                        | 65.75                  | 0.52                           |
| 2                                                              | 2390.00        | 50.7 AV                       | 54.0              | -3.4           | 1.77 V                   | 284                        | 50.13                  | 0.52                           |
| 3                                                              | *2412.00       | 118.4 PK                      |                   |                | 1.77 V                   | 284                        | 117.71                 | 0.65                           |
| 4                                                              | *2412.00       | 108.5 AV                      |                   |                | 1.77 V                   | 284                        | 107.89                 | 0.65                           |
| 5                                                              | 4824.00        | 57.6 PK                       | 74.0              | -16.4          | 1.36 V                   | 2                          | 49.77                  | 7.83                           |
| 6                                                              | 4824.00        | 44.3 AV                       | 54.0              | -9.7           | 1.36 V                   | 2                          | 36.48                  | 7.83                           |
| 7                                                              | *5785.00       | 124.7 PK                      |                   |                | 1.85 V                   | 334                        | 114.75                 | 9.94                           |
| 8                                                              | *5785.00       | 114.0 AV                      |                   |                | 1.85 V                   | 334                        | 104.08                 | 9.94                           |
| 9                                                              | #7236.00       | 64.4 PK                       | 74.0              | -9.6           | 1.21 V                   | 8                          | 49.68                  | 14.70                          |
| 10                                                             | #7236.00       | 48.1 AV                       | 54.0              | -5.9           | 1.21 V                   | 8                          | 33.37                  | 14.70                          |
| 11                                                             | 11570.00       | 61.0 PK                       | 74.0              | -13.0          | 1.26 V                   | 256                        | 39.58                  | 21.44                          |
| 12                                                             | 11570.00       | 49.1 AV                       | 54.0              | -4.9           | 1.26 V                   | 256                        | 27.67                  | 21.44                          |

**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.

|                 |                         |                      |           |
|-----------------|-------------------------|----------------------|-----------|
| TEST FREQUENCY  | 1960.0+2132.5+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz          |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 3920.00        | -54.0 PK                   | -13.0       | -41.0          | 1.80 H                   | 249                        | -59.93                | 5.94                      |
| 2                                                   | 4265.00        | -52.3 PK                   | -13.0       | -39.3          | 1.51 H                   | 227                        | -59.03                | 6.70                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 3920.00        | -52.8 PK                   | -13.0       | -39.8          | 1.50 V                   | 300                        | -58.72                | 5.94                      |
| 2                                                   | 4265.00        | -51.7 PK                   | -13.0       | -38.7          | 1.00 V                   | 260                        | -58.37                | 6.70                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a**

|                        |                        |                              |              |
|------------------------|------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 1960.0+731.5+2412+5785 | <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                                                              | 2390.00        | 62.4 PK                       | 74.0              | -11.6          | 1.00 H                   | 44                         | 61.86                  | 0.52                           |
| 2                                                              | 2390.00        | 48.7 AV                       | 54.0              | -5.4           | 1.00 H                   | 44                         | 48.13                  | 0.52                           |
| 3                                                              | *2412.00       | 112.4 PK                      |                   |                | 1.00 H                   | 44                         | 111.70                 | 0.65                           |
| 4                                                              | *2412.00       | 102.5 AV                      |                   |                | 1.00 H                   | 44                         | 101.84                 | 0.65                           |
| 5                                                              | 4824.00        | 63.5 PK                       | 74.0              | -10.5          | 1.45 H                   | 247                        | 55.68                  | 7.83                           |
| 6                                                              | 4824.00        | 52.8 AV                       | 54.0              | -1.2           | 1.45 H                   | 247                        | 45.00                  | 7.83                           |
| 7                                                              | *5785.00       | 115.4 PK                      |                   |                | 1.54 H                   | 134                        | 105.49                 | 9.94                           |
| 8                                                              | *5785.00       | 105.1 AV                      |                   |                | 1.54 H                   | 134                        | 95.13                  | 9.94                           |
| 9                                                              | #7236.00       | 65.4 PK                       | 74.0              | -8.6           | 1.30 H                   | 88                         | 50.67                  | 14.70                          |
| 10                                                             | #7236.00       | 49.0 AV                       | 54.0              | -5.0           | 1.30 H                   | 88                         | 34.32                  | 14.70                          |
| 11                                                             | 11570.00       | 61.5 PK                       | 74.0              | -12.5          | 1.53 H                   | 143                        | 40.09                  | 21.44                          |
| 12                                                             | 11570.00       | 49.4 AV                       | 54.0              | -4.6           | 1.53 H                   | 143                        | 27.99                  | 21.44                          |
| <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                                                              | 2390.00        | 66.2 PK                       | 74.0              | -7.8           | 1.35 V                   | 338                        | 65.72                  | 0.52                           |
| 2                                                              | 2390.00        | 50.9 AV                       | 54.0              | -3.1           | 1.35 V                   | 338                        | 50.35                  | 0.52                           |
| 3                                                              | *2412.00       | 118.7 PK                      |                   |                | 1.35 V                   | 338                        | 118.00                 | 0.65                           |
| 4                                                              | *2412.00       | 108.1 AV                      |                   |                | 1.35 V                   | 338                        | 107.46                 | 0.65                           |
| 5                                                              | 4824.00        | 57.1 PK                       | 74.0              | -16.9          | 1.34 V                   | 297                        | 49.30                  | 7.83                           |
| 6                                                              | 4824.00        | 44.3 AV                       | 54.0              | -9.7           | 1.34 V                   | 297                        | 36.49                  | 7.83                           |
| 7                                                              | *5785.00       | 124.4 PK                      |                   |                | 1.87 V                   | 320                        | 114.44                 | 9.94                           |
| 8                                                              | *5785.00       | 114.1 AV                      |                   |                | 1.87 V                   | 320                        | 104.14                 | 9.94                           |
| 9                                                              | #7236.00       | 64.6 PK                       | 74.0              | -9.4           | 1.30 V                   | 1                          | 49.94                  | 14.70                          |
| 10                                                             | #7236.00       | 48.1 AV                       | 54.0              | -5.9           | 1.30 V                   | 1                          | 33.40                  | 14.70                          |
| 11                                                             | 11570.00       | 61.3 PK                       | 74.0              | -12.7          | 1.25 V                   | 243                        | 39.90                  | 21.44                          |
| 12                                                             | 11570.00       | 48.9 AV                       | 54.0              | -5.1           | 1.25 V                   | 243                        | 27.45                  | 21.44                          |

**REMARKS:**

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

|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 1960.0+731.5+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1463.00        | -53.0 PK                   | -13.0       | -40.0          | 1.17 H                   | 168                        | -50.27                | -2.70                     |
| 2                                                   | 3920.00        | -53.3 PK                   | -13.0       | -40.3          | 1.76 H                   | 238                        | -59.23                | 5.94                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1463.00        | -52.7 PK                   | -13.0       | -39.7          | 1.37 V                   | 218                        | -49.96                | -2.70                     |
| 2                                                   | 3920.00        | -52.6 PK                   | -13.0       | -39.6          | 1.59 V                   | 299                        | -58.49                | 5.94                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a**

|                        |                        |                              |              |
|------------------------|------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 1960.0+740.0+2412+5785 | <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                                                              | 2390.00        | 62.4 PK                       | 74.0              | -11.6          | 1.10 H                   | 62                         | 61.91                  | 0.52                           |
| 2                                                              | 2390.00        | 48.4 AV                       | 54.0              | -5.6           | 1.10 H                   | 62                         | 47.86                  | 0.52                           |
| 3                                                              | *2412.00       | 112.8 PK                      |                   |                | 1.10 H                   | 62                         | 112.18                 | 0.65                           |
| 4                                                              | *2412.00       | 102.5 AV                      |                   |                | 1.10 H                   | 62                         | 101.81                 | 0.65                           |
| 5                                                              | 4824.00        | 63.9 PK                       | 74.0              | -10.2          | 1.38 H                   | 288                        | 56.02                  | 7.83                           |
| 6                                                              | 4824.00        | 52.1 AV                       | 54.0              | -1.9           | 1.38 H                   | 288                        | 44.30                  | 7.83                           |
| 7                                                              | *5785.00       | 115.4 PK                      |                   |                | 1.82 H                   | 134                        | 105.41                 | 9.94                           |
| 8                                                              | *5785.00       | 105.2 AV                      |                   |                | 1.82 H                   | 134                        | 95.26                  | 9.94                           |
| 9                                                              | #7236.00       | 65.3 PK                       | 74.0              | -8.7           | 1.34 H                   | 83                         | 50.64                  | 14.70                          |
| 10                                                             | #7236.00       | 49.0 AV                       | 54.0              | -5.1           | 1.34 H                   | 83                         | 34.25                  | 14.70                          |
| 11                                                             | 11570.00       | 61.8 PK                       | 74.0              | -12.2          | 1.44 H                   | 120                        | 40.33                  | 21.44                          |
| 12                                                             | 11570.00       | 49.6 AV                       | 54.0              | -4.5           | 1.44 H                   | 120                        | 28.11                  | 21.44                          |
| <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                                                              | 2390.00        | 66.8 PK                       | 74.0              | -7.2           | 1.58 V                   | 337                        | 66.26                  | 0.52                           |
| 2                                                              | 2390.00        | 50.8 AV                       | 54.0              | -3.2           | 1.58 V                   | 337                        | 50.31                  | 0.52                           |
| 3                                                              | *2412.00       | 118.5 PK                      |                   |                | 1.58 V                   | 337                        | 117.88                 | 0.65                           |
| 4                                                              | *2412.00       | 108.3 AV                      |                   |                | 1.58 V                   | 337                        | 107.62                 | 0.65                           |
| 5                                                              | 4824.00        | 57.1 PK                       | 74.0              | -16.9          | 1.36 V                   | 355                        | 49.23                  | 7.83                           |
| 6                                                              | 4824.00        | 44.4 AV                       | 54.0              | -9.6           | 1.36 V                   | 355                        | 36.55                  | 7.83                           |
| 7                                                              | *5785.00       | 124.8 PK                      |                   |                | 1.89 V                   | 324                        | 114.84                 | 9.94                           |
| 8                                                              | *5785.00       | 114.1 AV                      |                   |                | 1.89 V                   | 324                        | 104.16                 | 9.94                           |
| 9                                                              | #7236.00       | 64.3 PK                       | 74.0              | -9.7           | 1.43 V                   | 3                          | 49.58                  | 14.70                          |
| 10                                                             | #7236.00       | 48.0 AV                       | 54.0              | -6.0           | 1.43 V                   | 3                          | 33.33                  | 14.70                          |
| 11                                                             | 11570.00       | 61.3 PK                       | 74.0              | -12.7          | 1.73 V                   | 224                        | 39.88                  | 21.44                          |
| 12                                                             | 11570.00       | 48.9 AV                       | 54.0              | -5.1           | 1.73 V                   | 224                        | 27.49                  | 21.44                          |

**REMARKS:**

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



|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 1960.0+740.0+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1480.00        | -53.1 PK                   | -13.0       | -40.1          | 1.25 H                   | 122                        | -50.56                | -2.55                     |
| 2                                                   | 3920.00        | -53.9 PK                   | -13.0       | -40.9          | 1.62 H                   | 251                        | -59.81                | 5.94                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1480.00        | -52.1 PK                   | -13.0       | -39.1          | 1.43 V                   | 220                        | -49.51                | -2.55                     |
| 2                                                   | 3920.00        | -52.7 PK                   | -13.0       | -39.7          | 1.47 V                   | 303                        | -58.63                | 5.94                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**LTE Band 4 (CBW: 5MHz) +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a**

|                        |                        |                              |              |
|------------------------|------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 2132.5+731.5+2412+5785 | <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                                                              | 2390.00        | 62.4 PK                       | 74.0              | -11.6          | 1.00 H                   | 33                         | 61.92                  | 0.52                           |
| 2                                                              | 2390.00        | 48.2 AV                       | 54.0              | -5.8           | 1.00 H                   | 33                         | 47.69                  | 0.52                           |
| 3                                                              | *2412.00       | 112.9 PK                      |                   |                | 1.00 H                   | 33                         | 112.22                 | 0.65                           |
| 4                                                              | *2412.00       | 102.5 AV                      |                   |                | 1.00 H                   | 33                         | 101.84                 | 0.65                           |
| 5                                                              | 4824.00        | 63.9 PK                       | 74.0              | -10.1          | 1.63 H                   | 275                        | 56.05                  | 7.83                           |
| 6                                                              | 4824.00        | 52.8 AV                       | 54.0              | -1.3           | 1.63 H                   | 275                        | 44.92                  | 7.83                           |
| 7                                                              | *5785.00       | 115.2 PK                      |                   |                | 1.90 H                   | 134                        | 105.28                 | 9.94                           |
| 8                                                              | *5785.00       | 105.3 AV                      |                   |                | 1.90 H                   | 134                        | 95.37                  | 9.94                           |
| 9                                                              | #7236.00       | 65.1 PK                       | 74.0              | -8.9           | 1.24 H                   | 70                         | 50.38                  | 14.70                          |
| 10                                                             | #7236.00       | 49.0 AV                       | 54.0              | -5.0           | 1.24 H                   | 70                         | 34.30                  | 14.70                          |
| 11                                                             | 11570.00       | 61.4 PK                       | 74.0              | -12.6          | 1.48 H                   | 138                        | 39.94                  | 21.44                          |
| 12                                                             | 11570.00       | 49.1 AV                       | 54.0              | -4.9           | 1.48 H                   | 138                        | 27.67                  | 21.44                          |
| <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                                                              | 2390.00        | 66.9 PK                       | 74.0              | -7.1           | 1.57 V                   | 342                        | 66.35                  | 0.52                           |
| 2                                                              | 2390.00        | 50.7 AV                       | 54.0              | -3.3           | 1.57 V                   | 342                        | 50.21                  | 0.52                           |
| 3                                                              | *2412.00       | 118.4 PK                      |                   |                | 1.57 V                   | 342                        | 117.78                 | 0.65                           |
| 4                                                              | *2412.00       | 108.6 AV                      |                   |                | 1.57 V                   | 342                        | 107.93                 | 0.65                           |
| 5                                                              | 4824.00        | 57.2 PK                       | 74.0              | -16.8          | 1.32 V                   | 348                        | 49.39                  | 7.83                           |
| 6                                                              | 4824.00        | 44.3 AV                       | 54.0              | -9.7           | 1.32 V                   | 348                        | 36.51                  | 7.83                           |
| 7                                                              | *5785.00       | 124.8 PK                      |                   |                | 1.92 V                   | 308                        | 114.85                 | 9.94                           |
| 8                                                              | *5785.00       | 114.0 AV                      |                   |                | 1.92 V                   | 308                        | 104.09                 | 9.94                           |
| 9                                                              | #7236.00       | 64.4 PK                       | 74.0              | -9.7           | 1.28 V                   | 5                          | 49.65                  | 14.70                          |
| 10                                                             | #7236.00       | 48.1 AV                       | 54.0              | -5.9           | 1.28 V                   | 5                          | 33.37                  | 14.70                          |
| 11                                                             | 11570.00       | 61.2 PK                       | 74.0              | -12.8          | 1.30 V                   | 247                        | 39.78                  | 21.44                          |
| 12                                                             | 11570.00       | 49.0 AV                       | 54.0              | -5.1           | 1.30 V                   | 247                        | 27.51                  | 21.44                          |

**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.

|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 2132.5+731.5+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1463.00        | -55.0 PK                   | -13.0       | -42.0          | 1.28 H                   | 114                        | -52.28                | -2.70                     |
| 2                                                   | 4265.00        | -53.1 PK                   | -13.0       | -40.1          | 1.49 H                   | 200                        | -59.81                | 6.70                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1463.00        | -51.6 PK                   | -13.0       | -38.6          | 1.58 V                   | 280                        | -48.93                | -2.70                     |
| 2                                                   | 4265.00        | -50.1 PK                   | -13.0       | -37.1          | 1.27 V                   | 194                        | -56.83                | 6.70                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

# LTE Band 4 (CBW: 10MHz) +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a

|                 |                        |                      |              |
|-----------------|------------------------|----------------------|--------------|
| TEST FREQUENCY  | 2115.0+740.0+2412+5785 | 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   | 2390.00        | 62.4 PK                       | 74.0              | -11.6          | 1.00 H                   | 51                         | 61.86                  | 0.52                           |
| 2   | 2390.00        | 48.3 AV                       | 54.0              | -5.7           | 1.00 H                   | 51                         | 47.81                  | 0.52                           |
| 3   | *2412.00       | 112.6 PK                      |                   |                | 1.00 H                   | 51                         | 111.93                 | 0.65                           |
| 4   | *2412.00       | 102.3 AV                      |                   |                | 1.00 H                   | 51                         | 101.62                 | 0.65                           |
| 5   | 4824.00        | 64.0 PK                       | 74.0              | -10.0          | 1.43 H                   | 277                        | 56.17                  | 7.83                           |
| 6   | 4824.00        | 52.3 AV                       | 54.0              | -1.7           | 1.43 H                   | 277                        | 44.51                  | 7.83                           |
| 7   | *5785.00       | 115.4 PK                      |                   |                | 1.89 H                   | 135                        | 105.43                 | 9.94                           |
| 8   | *5785.00       | 105.2 AV                      |                   |                | 1.89 H                   | 135                        | 95.26                  | 9.94                           |
| 9   | #7236.00       | 65.3 PK                       | 74.0              | -8.7           | 1.22 H                   | 75                         | 50.57                  | 14.70                          |
| 10  | #7236.00       | 49.1 AV                       | 54.0              | -4.9           | 1.22 H                   | 75                         | 34.42                  | 14.70                          |
| 11  | 11570.00       | 61.4 PK                       | 74.0              | -12.6          | 1.43 H                   | 155                        | 39.98                  | 21.44                          |
| 12  | 11570.00       | 49.3 AV                       | 54.0              | -4.7           | 1.43 H                   | 155                        | 27.86                  | 21.44                          |

## ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 2390.00        | 66.8 PK                       | 74.0              | -7.2           | 1.41 V                   | 311                        | 66.28                  | 0.52                           |
| 2   | 2390.00        | 50.4 AV                       | 54.0              | -3.6           | 1.41 V                   | 311                        | 49.91                  | 0.52                           |
| 3   | *2412.00       | 118.4 PK                      |                   |                | 1.41 V                   | 311                        | 117.70                 | 0.65                           |
| 4   | *2412.00       | 108.7 AV                      |                   |                | 1.41 V                   | 311                        | 108.07                 | 0.65                           |
| 5   | 4824.00        | 57.1 PK                       | 74.0              | -16.9          | 1.48 V                   | 358                        | 49.25                  | 7.83                           |
| 6   | 4824.00        | 44.9 AV                       | 54.0              | -9.1           | 1.48 V                   | 358                        | 37.08                  | 7.83                           |
| 7   | *5785.00       | 124.4 PK                      |                   |                | 1.82 V                   | 289                        | 114.44                 | 9.94                           |
| 8   | *5785.00       | 114.1 AV                      |                   |                | 1.82 V                   | 289                        | 104.11                 | 9.94                           |
| 9   | #7236.00       | 64.3 PK                       | 74.0              | -9.7           | 1.40 V                   | 13                         | 49.61                  | 14.70                          |
| 10  | #7236.00       | 48.1 AV                       | 54.0              | -5.9           | 1.40 V                   | 13                         | 33.37                  | 14.70                          |
| 11  | 11570.00       | 61.1 PK                       | 74.0              | -12.9          | 1.30 V                   | 273                        | 39.67                  | 21.44                          |
| 12  | 11570.00       | 49.1 AV                       | 54.0              | -4.9           | 1.30 V                   | 273                        | 27.62                  | 21.44                          |

### 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.

|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 2115.0+740.0+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1480.00        | -53.0 PK                   | -13.0       | -40.0          | 2.03 H                   | 61                         | -50.44                | -2.55                     |
| 2                                                   | 4230.00        | -53.2 PK                   | -13.0       | -40.2          | 1.43 H                   | 201                        | -59.86                | 6.68                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1480.00        | -51.1 PK                   | -13.0       | -38.1          | 1.89 V                   | 84                         | -48.50                | -2.55                     |
| 2                                                   | 4230.00        | -51.5 PK                   | -13.0       | -38.5          | 1.09 V                   | 227                        | -58.21                | 6.68                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

**LTE Band 2 (CBW: 5MHz) +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a**

|                        |                        |                              |              |
|------------------------|------------------------|------------------------------|--------------|
| <b>TEST FREQUENCY</b>  | 1987.5+731.5+2412+5785 | <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> |                        |                                        |                           |                        |                                   |                                     |                                 |                                         |
|----------------------------------------------------------------|------------------------|----------------------------------------|---------------------------|------------------------|-----------------------------------|-------------------------------------|---------------------------------|-----------------------------------------|
| <b>NO.</b>                                                     | <b>FREQ.<br/>(MHz)</b> | <b>EMISSION<br/>LEVEL<br/>(dBuV/m)</b> | <b>LIMIT<br/>(dBuV/m)</b> | <b>MARGIN<br/>(dB)</b> | <b>ANTENNA<br/>HEIGHT<br/>(m)</b> | <b>TABLE<br/>ANGLE<br/>(Degree)</b> | <b>RAW<br/>VALUE<br/>(dBuV)</b> | <b>CORRECTION<br/>FACTOR<br/>(dB/m)</b> |
| 1                                                              | 2390.00                | 62.5 PK                                | 74.0                      | -11.6                  | 1.00 H                            | 43                                  | 61.93                           | 0.52                                    |
| 2                                                              | 2390.00                | 48.6 AV                                | 54.0                      | -5.4                   | 1.00 H                            | 43                                  | 48.09                           | 0.52                                    |
| 3                                                              | *2412.00               | 112.6 PK                               |                           |                        | 1.00 H                            | 43                                  | 111.94                          | 0.65                                    |
| 4                                                              | *2412.00               | 102.4 AV                               |                           |                        | 1.00 H                            | 43                                  | 101.79                          | 0.65                                    |
| 5                                                              | 4824.00                | 63.9 PK                                | 74.0                      | -10.1                  | 1.44 H                            | 280                                 | 56.04                           | 7.83                                    |
| 6                                                              | 4824.00                | 52.1 AV                                | 54.0                      | -1.9                   | 1.44 H                            | 280                                 | 44.30                           | 7.83                                    |
| 7                                                              | *5785.00               | 115.3 PK                               |                           |                        | 2.03 H                            | 111                                 | 105.37                          | 9.94                                    |
| 8                                                              | *5785.00               | 105.4 AV                               |                           |                        | 2.03 H                            | 111                                 | 95.48                           | 9.94                                    |
| 9                                                              | #7236.00               | 65.3 PK                                | 74.0                      | -8.7                   | 1.15 H                            | 63                                  | 50.61                           | 14.70                                   |
| 10                                                             | #7236.00               | 48.6 AV                                | 54.0                      | -5.4                   | 1.15 H                            | 63                                  | 33.87                           | 14.70                                   |
| 11                                                             | 11570.00               | 61.2 PK                                | 74.0                      | -12.8                  | 1.38 H                            | 152                                 | 39.79                           | 21.44                                   |
| 12                                                             | 11570.00               | 49.2 AV                                | 54.0                      | -4.8                   | 1.38 H                            | 152                                 | 27.73                           | 21.44                                   |
| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>   |                        |                                        |                           |                        |                                   |                                     |                                 |                                         |
| <b>NO.</b>                                                     | <b>FREQ.<br/>(MHz)</b> | <b>EMISSION<br/>LEVEL<br/>(dBuV/m)</b> | <b>LIMIT<br/>(dBuV/m)</b> | <b>MARGIN<br/>(dB)</b> | <b>ANTENNA<br/>HEIGHT<br/>(m)</b> | <b>TABLE<br/>ANGLE<br/>(Degree)</b> | <b>RAW<br/>VALUE<br/>(dBuV)</b> | <b>CORRECTION<br/>FACTOR<br/>(dB/m)</b> |
| 1                                                              | 2390.00                | 66.4 PK                                | 74.0                      | -7.6                   | 1.63 V                            | 322                                 | 65.89                           | 0.52                                    |
| 2                                                              | 2390.00                | 50.9 AV                                | 54.0                      | -3.1                   | 1.63 V                            | 322                                 | 50.41                           | 0.52                                    |
| 3                                                              | *2412.00               | 118.7 PK                               |                           |                        | 1.63 V                            | 322                                 | 118.08                          | 0.65                                    |
| 4                                                              | *2412.00               | 108.5 AV                               |                           |                        | 1.63 V                            | 322                                 | 107.89                          | 0.65                                    |
| 5                                                              | 4824.00                | 57.2 PK                                | 74.0                      | -16.8                  | 1.33 V                            | 360                                 | 49.37                           | 7.83                                    |
| 6                                                              | 4824.00                | 44.3 AV                                | 54.0                      | -9.7                   | 1.33 V                            | 360                                 | 36.48                           | 7.83                                    |
| 7                                                              | *5785.00               | 124.6 PK                               |                           |                        | 1.83 V                            | 351                                 | 114.62                          | 9.94                                    |
| 8                                                              | *5785.00               | 113.9 AV                               |                           |                        | 1.83 V                            | 351                                 | 103.91                          | 9.94                                    |
| 9                                                              | #7236.00               | 64.4 PK                                | 74.0                      | -9.6                   | 1.27 V                            | 10                                  | 49.68                           | 14.70                                   |
| 10                                                             | #7236.00               | 48.1 AV                                | 54.0                      | -5.9                   | 1.27 V                            | 10                                  | 33.39                           | 14.70                                   |
| 11                                                             | 11570.00               | 61.1 PK                                | 74.0                      | -12.9                  | 1.24 V                            | 251                                 | 39.62                           | 21.44                                   |
| 12                                                             | 11570.00               | 48.7 AV                                | 54.0                      | -5.3                   | 1.24 V                            | 251                                 | 27.30                           | 21.44                                   |

**REMARKS:**

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

|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 1987.5+731.5+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 3975.00        | -54.3 PK                   | -13.0       | -41.3          | 1.00 H                   | 86                         | -60.33                | 6.06                      |
| 2                                                   | 4265.00        | -53.2 PK                   | -13.0       | -40.2          | 1.56 H                   | 195                        | -59.94                | 6.70                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 3975.00        | -52.7 PK                   | -13.0       | -39.7          | 1.82 V                   | 334                        | -58.73                | 6.06                      |
| 2                                                   | 4265.00        | -51.7 PK                   | -13.0       | -38.7          | 1.30 V                   | 187                        | -58.36                | 6.70                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

# LTE Band 2 (CBW: 10MHz) +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a

|                 |                        |                      |              |
|-----------------|------------------------|----------------------|--------------|
| TEST FREQUENCY  | 1985.0+740.0+2412+5785 | 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                                                   | 2390.00        | 62.1 PK                       | 74.0              | -12.0          | 1.02 H                   | 27                         | 61.53                  | 0.52                           |
| 2                                                   | 2390.00        | 48.4 AV                       | 54.0              | -5.6           | 1.02 H                   | 27                         | 47.87                  | 0.52                           |
| 3                                                   | *2412.00       | 112.7 PK                      |                   |                | 1.02 H                   | 27                         | 112.06                 | 0.65                           |
| 4                                                   | *2412.00       | 102.4 AV                      |                   |                | 1.02 H                   | 27                         | 101.79                 | 0.65                           |
| 5                                                   | 4824.00        | 63.3 PK                       | 74.0              | -10.8          | 1.43 H                   | 263                        | 55.42                  | 7.83                           |
| 6                                                   | 4824.00        | 52.1 AV                       | 54.0              | -1.9           | 1.43 H                   | 263                        | 44.24                  | 7.83                           |
| 7                                                   | *5785.00       | 115.3 PK                      |                   |                | 1.82 H                   | 131                        | 105.38                 | 9.94                           |
| 8                                                   | *5785.00       | 105.2 AV                      |                   |                | 1.82 H                   | 131                        | 95.26                  | 9.94                           |
| 9                                                   | #7236.00       | 65.3 PK                       | 74.0              | -8.7           | 1.26 H                   | 81                         | 50.64                  | 14.70                          |
| 10                                                  | #7236.00       | 49.0 AV                       | 54.0              | -5.0           | 1.26 H                   | 81                         | 34.27                  | 14.70                          |
| 11                                                  | 11570.00       | 61.3 PK                       | 74.0              | -12.8          | 1.48 H                   | 200                        | 39.81                  | 21.44                          |
| 12                                                  | 11570.00       | 49.4 AV                       | 54.0              | -4.6           | 1.48 H                   | 200                        | 27.92                  | 21.44                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 66.7 PK                       | 74.0              | -7.3           | 1.66 V                   | 318                        | 66.18                  | 0.52                           |
| 2                                                   | 2390.00        | 50.7 AV                       | 54.0              | -3.3           | 1.66 V                   | 318                        | 50.21                  | 0.52                           |
| 3                                                   | *2412.00       | 118.6 PK                      |                   |                | 1.66 V                   | 318                        | 117.92                 | 0.65                           |
| 4                                                   | *2412.00       | 108.6 AV                      |                   |                | 1.66 V                   | 318                        | 107.97                 | 0.65                           |
| 5                                                   | 4824.00        | 56.9 PK                       | 74.0              | -17.1          | 1.73 V                   | 334                        | 49.10                  | 7.83                           |
| 6                                                   | 4824.00        | 44.1 AV                       | 54.0              | -10.0          | 1.73 V                   | 334                        | 36.22                  | 7.83                           |
| 7                                                   | *5785.00       | 124.8 PK                      |                   |                | 1.85 V                   | 311                        | 114.85                 | 9.94                           |
| 8                                                   | *5785.00       | 113.9 AV                      |                   |                | 1.85 V                   | 311                        | 103.92                 | 9.94                           |
| 9                                                   | #7236.00       | 64.2 PK                       | 74.0              | -9.8           | 1.34 V                   | 12                         | 49.51                  | 14.70                          |
| 10                                                  | #7236.00       | 48.2 AV                       | 54.0              | -5.8           | 1.34 V                   | 12                         | 33.49                  | 14.70                          |
| 11                                                  | 11570.00       | 61.2 PK                       | 74.0              | -12.8          | 1.23 V                   | 227                        | 39.80                  | 21.44                          |
| 12                                                  | 11570.00       | 48.6 AV                       | 54.0              | -5.4           | 1.23 V                   | 227                        | 27.18                  | 21.44                          |

## 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.



|                 |                        |                      |           |
|-----------------|------------------------|----------------------|-----------|
| TEST FREQUENCY  | 1985.0+740.0+2412+5785 | DETECTOR<br>FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 26.5GHz         |                      |           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1480.00        | -52.6 PK                   | -13.0       | -39.6          | 1.97 H                   | 56                         | -50.08                | -2.55                     |
| 2                                                   | 3970.00        | -54.0 PK                   | -13.0       | -41.0          | 1.24 H                   | 46                         | -60.00                | 6.05                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 1480.00        | -51.7 PK                   | -13.0       | -38.7          | 1.79 V                   | 86                         | -49.18                | -2.55                     |
| 2                                                   | 3970.00        | -51.6 PK                   | -13.0       | -38.6          | 1.88 V                   | 19                         | -57.65                | 6.05                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value

## BELOW 1GHz DATA

WCDMA Band 5 +LTE Band 2 (CBW: 5MHz) +802.11g +802.11a

|                 |                         |                      |                 |
|-----------------|-------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0+1987.5+ 2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz            |                      |                 |

### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 88.20          | 18.1 QP                       | 43.5              | -25.4          | 4.00 H                   | 229                        | 32.26                  | -14.16                         |
| 2   | 160.95         | 25.9 QP                       | 43.5              | -17.7          | 4.00 H                   | 311                        | 34.33                  | -8.48                          |
| 3   | 360.33         | 42.1 QP                       | 46.0              | -3.9           | 2.97 H                   | 116                        | 48.05                  | -5.96                          |
| 4   | 603.27         | 39.5 QP                       | 46.0              | -6.5           | 1.38 H                   | 255                        | 39.93                  | -0.47                          |
| 5   | 680.53         | 39.1 QP                       | 46.0              | -6.9           | 1.17 H                   | 196                        | 38.47                  | 0.67                           |
| 6   | 789.94         | 36.2 QP                       | 46.0              | -9.8           | 1.00 H                   | 258                        | 33.76                  | 2.47                           |

### 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   | 35.95          | 33.1 QP                       | 40.0              | -6.9           | 1.26 V                   | 69                         | 43.30                  | -10.16                         |
| 2   | 145.43         | 31.8 QP                       | 43.5              | -11.7          | 1.00 V                   | 135                        | 40.51                  | -8.72                          |
| 3   | 359.94         | 39.4 QP                       | 46.0              | -6.6           | 1.00 V                   | 94                         | 45.35                  | -5.99                          |
| 4   | 428.67         | 38.2 QP                       | 46.0              | -7.8           | 1.84 V                   | 19                         | 42.24                  | -4.00                          |
| 5   | 653.71         | 39.2 QP                       | 46.0              | -6.8           | 2.28 V                   | 309                        | 38.91                  | 0.27                           |
| 6   | 800.03         | 41.9 QP                       | 46.0              | -4.1           | 1.93 V                   | 227                        | 39.24                  | 2.66                           |

### REMARKS:

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

|                 |                         |                      |                 |
|-----------------|-------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0+1987.5+ 2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz            |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 54.25          | -67.3 QP                   | -13.0       | -54.3          | 2.89 H                   | 307                        | -58.70                | -8.55                     |
| 2                                                   | 228.85         | -64.6 QP                   | -13.0       | -51.6          | 1.84 H                   | 224                        | -53.60                | -10.98                    |
| 3                                                   | 385.02         | -61.9 QP                   | -13.0       | -48.9          | 1.09 H                   | 186                        | -56.76                | -5.11                     |
| 4                                                   | 642.07         | -56.6 QP                   | -13.0       | -43.6          | 1.96 H                   | 273                        | -56.78                | 0.19                      |
| 5                                                   | 799.21         | -53.3 QP                   | -13.0       | -40.3          | 1.06 H                   | 22                         | -55.96                | 2.70                      |
| 6                                                   | 983.51         | -50.2 QP                   | -13.0       | -37.2          | 1.00 H                   | 173                        | -56.13                | 5.91                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 169.68         | -66.4 QP                   | -13.0       | -53.4          | 1.28 V                   | 229                        | -57.78                | -8.62                     |
| 2                                                   | 300.63         | -64.9 QP                   | -13.0       | -51.9          | 1.75 V                   | 273                        | -58.07                | -6.80                     |
| 3                                                   | 483.96         | -59.7 QP                   | -13.0       | -46.7          | 1.44 V                   | 108                        | -56.62                | -3.08                     |
| 4                                                   | 686.69         | -56.2 QP                   | -13.0       | -43.2          | 1.83 V                   | 200                        | -56.95                | 0.76                      |
| 5                                                   | 764.29         | -53.2 QP                   | -13.0       | -40.2          | 2.93 V                   | 187                        | -55.49                | 2.28                      |
| 6                                                   | 970.90         | -49.6 QP                   | -13.0       | -36.6          | 1.95 V                   | 226                        | -55.34                | 5.78                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 2 (CBW: 10MHz) +802.11g +802.11a**

|                        |                         |                              |                 |
|------------------------|-------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 881.0 +1985.0+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz            |                              |                 |

| <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                                                              | 60.07          | 17.5 QP                       | 40.0              | -22.5          | 4.00 H                   | 229                        | 26.53                  | -9.03                          |
| 2                                                              | 174.53         | 25.7 QP                       | 43.5              | -17.8          | 4.00 H                   | 187                        | 34.66                  | -9.00                          |
| 3                                                              | 297.72         | 40.1 QP                       | 46.0              | -5.9           | 2.99 H                   | 22                         | 47.03                  | -6.93                          |
| 4                                                              | 457.77         | 38.8 QP                       | 46.0              | -7.2           | 2.08 H                   | 117                        | 42.42                  | -3.61                          |
| 5                                                              | 611.03         | 38.4 QP                       | 46.0              | -7.6           | 1.52 H                   | 305                        | 38.74                  | -0.31                          |
| 6                                                              | 829.28         | 36.4 QP                       | 46.0              | -9.6           | 1.00 H                   | 0                          | 33.29                  | 3.12                           |
| <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                                                              | 35.82          | 32.3 QP                       | 40.0              | -7.7           | 1.83 V                   | 227                        | 42.52                  | -10.19                         |
| 2                                                              | 145.43         | 30.0 QP                       | 43.5              | -13.5          | 1.17 V                   | 254                        | 38.76                  | -8.72                          |
| 3                                                              | 359.47         | 37.3 QP                       | 46.0              | -8.7           | 1.00 V                   | 186                        | 43.25                  | -5.99                          |
| 4                                                              | 425.94         | 37.2 QP                       | 46.0              | -8.8           | 2.06 V                   | 221                        | 41.30                  | -4.13                          |
| 5                                                              | 660.41         | 40.1 QP                       | 46.0              | -5.9           | 2.43 V                   | 85                         | 39.78                  | 0.28                           |
| 6                                                              | 800.18         | 38.2 QP                       | 46.0              | -7.8           | 2.88 V                   | 341                        | 35.52                  | 2.67                           |

**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

|                 |                         |                      |                 |
|-----------------|-------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0 +1985.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz            |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 163.86         | -66.0 QP                   | -13.0       | -53.0          | 1.86 H                   | 220                        | -57.65                | -8.37                     |
| 2                                                   | 299.66         | -64.4 QP                   | -13.0       | -51.4          | 1.03 H                   | 247                        | -57.57                | -6.83                     |
| 3                                                   | 492.69         | -58.8 QP                   | -13.0       | -45.8          | 1.87 H                   | 113                        | -55.85                | -2.92                     |
| 4                                                   | 654.68         | -54.7 QP                   | -13.0       | -41.7          | 1.19 H                   | 258                        | -54.95                | 0.28                      |
| 5                                                   | 816.67         | -52.5 QP                   | -13.0       | -39.5          | 1.00 H                   | 206                        | -55.36                | 2.89                      |
| 6                                                   | 983.51         | -49.1 QP                   | -13.0       | -36.1          | 1.00 H                   | 334                        | -54.97                | 5.91                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 162.89         | -64.6 QP                   | -13.0       | -51.6          | 1.11 V                   | 258                        | -56.13                | -8.45                     |
| 2                                                   | 295.78         | -63.0 QP                   | -13.0       | -50.0          | 1.00 V                   | 20                         | -55.99                | -7.00                     |
| 3                                                   | 530.52         | -57.3 QP                   | -13.0       | -44.3          | 1.73 V                   | 265                        | -55.21                | -2.04                     |
| 4                                                   | 623.64         | -54.8 QP                   | -13.0       | -41.8          | 2.38 V                   | 173                        | -54.77                | -0.02                     |
| 5                                                   | 784.66         | -51.9 QP                   | -13.0       | -38.9          | 2.24 V                   | 198                        | -54.42                | 2.51                      |
| 6                                                   | 978.66         | -48.7 QP                   | -13.0       | -35.7          | 2.65 V                   | 69                         | -54.60                | 5.95                      |

#### REMARKS:

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 2 (CBW: 15MHz) +802.11g +802.11a**

|                        |                        |                              |                 |
|------------------------|------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 881.0+1960.0+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz           |                              |                 |

| <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                                                              | 87.23          | 18.8 QP                       | 40.0              | -21.2          | 4.00 H                   | 189                        | 32.92                  | -14.12                         |
| 2                                                              | 176.47         | 25.2 QP                       | 43.5              | -18.3          | 4.00 H                   | 158                        | 34.46                  | -9.25                          |
| 3                                                              | 377.26         | 39.7 QP                       | 46.0              | -6.4           | 2.58 H                   | 221                        | 44.91                  | -5.26                          |
| 4                                                              | 624.61         | 39.0 QP                       | 46.0              | -7.0           | 1.35 H                   | 176                        | 38.99                  | 0.01                           |
| 5                                                              | 683.78         | 38.2 QP                       | 46.0              | -7.8           | 1.00 H                   | 122                        | 37.46                  | 0.73                           |
| 6                                                              | 800.18         | 36.2 QP                       | 46.0              | -9.8           | 1.00 H                   | 76                         | 33.54                  | 2.67                           |
| <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                                                              | 36.79          | 33.9 QP                       | 40.0              | -6.1           | 1.55 V                   | 227                        | 43.88                  | -9.96                          |
| 2                                                              | 175.50         | 28.1 QP                       | 43.5              | -15.4          | 1.00 V                   | 164                        | 37.27                  | -9.14                          |
| 3                                                              | 297.72         | 33.2 QP                       | 46.0              | -12.8          | 1.85 V                   | 223                        | 40.15                  | -6.93                          |
| 4                                                              | 426.73         | 35.9 QP                       | 46.0              | -10.1          | 2.20 V                   | 207                        | 40.03                  | -4.10                          |
| 5                                                              | 675.75         | 38.5 QP                       | 46.0              | -7.5           | 1.98 V                   | 111                        | 37.87                  | 0.63                           |
| 6                                                              | 800.18         | 38.0 QP                       | 46.0              | -8.0           | 2.43 V                   | 358                        | 35.31                  | 2.67                           |

**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

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0+1960.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 227.88         | -63.9 QP                   | -13.0       | -50.9          | 1.19 H                   | 248                        | -52.83                | -11.03                    |
| 2                                                   | 515.97         | -57.7 QP                   | -13.0       | -44.7          | 2.03 H                   | 118                        | -55.36                | -2.32                     |
| 3                                                   | 653.71         | -53.2 QP                   | -13.0       | -40.2          | 1.52 H                   | 89                         | -53.51                | 0.27                      |
| 4                                                   | 699.30         | -53.2 QP                   | -13.0       | -40.2          | 1.77 H                   | 236                        | -54.11                | 0.92                      |
| 5                                                   | 809.88         | -52.7 QP                   | -13.0       | -39.7          | 1.00 H                   | 299                        | -55.52                | 2.85                      |
| 6                                                   | 966.05         | -48.8 QP                   | -13.0       | -35.8          | 1.00 H                   | 308                        | -54.50                | 5.75                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 174.53         | -65.2 QP                   | -13.0       | -52.2          | 1.08 V                   | 245                        | -56.19                | -9.00                     |
| 2                                                   | 405.39         | -60.8 QP                   | -13.0       | -47.8          | 1.62 V                   | 68                         | -56.06                | -4.74                     |
| 3                                                   | 526.64         | -58.2 QP                   | -13.0       | -45.2          | 2.23 V                   | 187                        | -56.10                | -2.09                     |
| 4                                                   | 656.62         | -55.2 QP                   | -13.0       | -42.2          | 1.93 V                   | 209                        | -55.52                | 0.30                      |
| 5                                                   | 818.61         | -52.7 QP                   | -13.0       | -39.7          | 2.65 V                   | 223                        | -55.65                | 2.93                      |
| 6                                                   | 958.29         | -49.2 QP                   | -13.0       | -36.2          | 1.93 V                   | 105                        | -54.85                | 5.63                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 2 (CBW: 20MHz) +802.11g +802.11a**

|                        |                        |                              |                 |
|------------------------|------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 881.0+1960.0+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz           |                              |                 |

| <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                                                              | 87.52          | 19.2 QP                       | 40.0              | -20.8          | 4.00 H                   | 185                        | 33.36                  | -14.12                         |
| 2                                                              | 177.35         | 24.8 QP                       | 43.5              | -18.7          | 4.00 H                   | 111                        | 34.13                  | -9.31                          |
| 3                                                              | 360.28         | 40.0 QP                       | 46.0              | -6.0           | 2.99 H                   | 234                        | 45.99                  | -5.97                          |
| 4                                                              | 625.11         | 40.0 QP                       | 46.0              | -6.0           | 1.48 H                   | 152                        | 39.95                  | 0.04                           |
| 5                                                              | 680.35         | 37.9 QP                       | 46.0              | -8.1           | 1.26 H                   | 100                        | 37.25                  | 0.67                           |
| 6                                                              | 800.01         | 37.1 QP                       | 46.0              | -9.0           | 1.00 H                   | 332                        | 34.39                  | 2.66                           |
| <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                                                              | 37.25          | 34.0 QP                       | 40.0              | -6.0           | 1.44 V                   | 308                        | 43.87                  | -9.85                          |
| 2                                                              | 170.32         | 30.1 QP                       | 43.5              | -13.4          | 1.00 V                   | 166                        | 38.80                  | -8.69                          |
| 3                                                              | 300.17         | 32.6 QP                       | 46.0              | -13.4          | 1.58 V                   | 30                         | 39.39                  | -6.81                          |
| 4                                                              | 426.62         | 36.2 QP                       | 46.0              | -9.8           | 2.48 V                   | 177                        | 40.27                  | -4.10                          |
| 5                                                              | 679.83         | 35.9 QP                       | 46.0              | -10.1          | 2.63 V                   | 58                         | 35.21                  | 0.67                           |
| 6                                                              | 799.99         | 36.6 QP                       | 46.0              | -9.4           | 2.93 V                   | 298                        | 33.92                  | 2.66                           |

**REMARKS:**

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



|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0+1960.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 167.74         | -65.9 QP                   | -13.0       | -52.9          | 1.43 H                   | 167                        | -57.44                | -8.48                     |
| 2                                                   | 227.88         | -65.7 QP                   | -13.0       | -52.7          | 1.05 H                   | 152                        | -54.64                | -11.03                    |
| 3                                                   | 446.13         | -60.0 QP                   | -13.0       | -47.0          | 2.20 H                   | 188                        | -56.29                | -3.75                     |
| 4                                                   | 653.71         | -54.1 QP                   | -13.0       | -41.1          | 1.83 H                   | 169                        | -54.39                | 0.27                      |
| 5                                                   | 791.45         | -53.0 QP                   | -13.0       | -40.0          | 1.12 H                   | 158                        | -55.53                | 2.51                      |
| 6                                                   | 967.02         | -50.0 QP                   | -13.0       | -37.0          | 1.00 H                   | 30                         | -55.69                | 5.74                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 166.77         | -64.3 QP                   | -13.0       | -51.3          | 1.77 V                   | 254                        | -55.77                | -8.50                     |
| 2                                                   | 357.86         | -60.9 QP                   | -13.0       | -47.9          | 1.15 V                   | 2                          | -54.90                | -6.00                     |
| 3                                                   | 457.62         | -58.8 QP                   | -13.0       | -45.8          | 1.88 V                   | 243                        | -55.22                | -3.61                     |
| 4                                                   | 727.43         | -53.6 QP                   | -13.0       | -40.6          | 1.76 V                   | 257                        | -55.07                | 1.47                      |
| 5                                                   | 824.43         | -52.1 QP                   | -13.0       | -39.1          | 2.60 V                   | 118                        | -55.16                | 3.07                      |
| 6                                                   | 977.69         | -48.3 QP                   | -13.0       | -35.3          | 1.95 V                   | 149                        | -54.20                | 5.93                      |

#### REMARKS:

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 4 (CBW: 5MHz) +802.11g +802.11a**

|                        |                        |                              |                 |
|------------------------|------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 881.0+2132.5+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz           |                              |                 |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 85.23          | 20.9 QP                       | 40.0              | -19.2          | 4.00 H                   | 195                        | 34.82                  | -13.97                         |
| 2   | 180.24         | 26.3 QP                       | 43.5              | -17.2          | 4.00 H                   | 224                        | 35.97                  | -9.64                          |
| 3   | 360.96         | 38.9 QP                       | 46.0              | -7.1           | 2.99 H                   | 208                        | 44.86                  | -5.92                          |
| 4   | 630.28         | 37.9 QP                       | 46.0              | -8.1           | 1.48 H                   | 58                         | 37.69                  | 0.20                           |
| 5   | 680.17         | 37.1 QP                       | 46.0              | -8.9           | 1.26 H                   | 333                        | 36.44                  | 0.67                           |
| 6   | 800.25         | 37.9 QP                       | 46.0              | -8.1           | 1.00 H                   | 308                        | 35.20                  | 2.68                           |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 34.88          | 33.3 QP                       | 40.0              | -6.7           | 1.10 V                   | 39                         | 43.55                  | -10.27                         |
| 2   | 148.96         | 29.8 QP                       | 43.5              | -13.7          | 1.00 V                   | 187                        | 38.34                  | -8.51                          |
| 3   | 266.81         | 31.9 QP                       | 46.0              | -14.1          | 1.70 V                   | 152                        | 39.81                  | -7.94                          |
| 4   | 430.55         | 35.8 QP                       | 46.0              | -10.2          | 2.08 V                   | 285                        | 39.74                  | -3.93                          |
| 5   | 679.99         | 38.0 QP                       | 46.0              | -8.0           | 2.48 V                   | 110                        | 37.31                  | 0.67                           |
| 6   | 800.17         | 37.1 QP                       | 46.0              | -9.0           | 2.85 V                   | 222                        | 34.38                  | 2.67                           |

**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

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0+2132.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 145.43         | -65.9 QP                   | -13.0       | -52.9          | 1.28 H                   | 227                        | -57.19                | -8.72                     |
| 2                                                   | 226.91         | -64.7 QP                   | -13.0       | -51.7          | 1.04 H                   | 100                        | -53.62                | -11.04                    |
| 3                                                   | 420.91         | -59.7 QP                   | -13.0       | -46.7          | 1.86 H                   | 299                        | -55.32                | -4.41                     |
| 4                                                   | 656.62         | -53.1 QP                   | -13.0       | -40.1          | 2.06 H                   | 182                        | -53.40                | 0.30                      |
| 5                                                   | 770.11         | -52.0 QP                   | -13.0       | -39.0          | 1.04 H                   | 162                        | -54.24                | 2.26                      |
| 6                                                   | 964.11         | -48.7 QP                   | -13.0       | -35.7          | 1.00 H                   | 85                         | -54.40                | 5.73                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 176.47         | -65.6 QP                   | -13.0       | -52.6          | 1.27 V                   | 224                        | -56.36                | -9.25                     |
| 2                                                   | 288.02         | -63.6 QP                   | -13.0       | -50.6          | 1.38 V                   | 241                        | -56.44                | -7.20                     |
| 3                                                   | 527.61         | -58.4 QP                   | -13.0       | -45.4          | 1.00 V                   | 198                        | -56.33                | -2.07                     |
| 4                                                   | 754.59         | -53.8 QP                   | -13.0       | -40.8          | 2.48 V                   | 105                        | -55.75                | 1.99                      |
| 5                                                   | 836.07         | -52.2 QP                   | -13.0       | -39.2          | 2.74 V                   | 111                        | -55.37                | 3.22                      |
| 6                                                   | 966.05         | -50.1 QP                   | -13.0       | -37.1          | 2.09 V                   | 209                        | -55.89                | 5.75                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 4 (CBW: 10MHz) +802.11g +802.11a**

|                        |                        |                              |                 |
|------------------------|------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 881.0+2115.0+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz           |                              |                 |

| <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                                                              | 79.88          | 21.0 QP                       | 40.0              | -19.0          | 4.00 H                   | 125                        | 34.02                  | -13.03                         |
| 2                                                              | 172.41         | 26.0 QP                       | 43.5              | -17.5          | 4.00 H                   | 288                        | 34.82                  | -8.82                          |
| 3                                                              | 359.86         | 37.7 QP                       | 46.0              | -8.3           | 3.17 H                   | 204                        | 43.65                  | -5.99                          |
| 4                                                              | 630.97         | 36.9 QP                       | 46.0              | -9.2           | 1.65 H                   | 228                        | 36.65                  | 0.20                           |
| 5                                                              | 680.86         | 38.2 QP                       | 46.0              | -7.8           | 1.26 H                   | 227                        | 37.55                  | 0.67                           |
| 6                                                              | 800.05         | 37.0 QP                       | 46.0              | -9.0           | 1.00 H                   | 284                        | 34.36                  | 2.66                           |
| <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                                                              | 36.21          | 34.6 QP                       | 40.0              | -5.4           | 1.25 V                   | 118                        | 44.69                  | -10.11                         |
| 2                                                              | 142.58         | 28.9 QP                       | 43.5              | -14.6          | 1.00 V                   | 209                        | 37.93                  | -8.99                          |
| 3                                                              | 270.58         | 29.9 QP                       | 46.0              | -16.1          | 1.55 V                   | 193                        | 37.62                  | -7.73                          |
| 4                                                              | 427.30         | 36.2 QP                       | 46.0              | -9.8           | 2.27 V                   | 169                        | 40.31                  | -4.07                          |
| 5                                                              | 679.84         | 38.1 QP                       | 46.0              | -8.0           | 2.53 V                   | 237                        | 37.38                  | 0.67                           |
| 6                                                              | 799.95         | 38.0 QP                       | 46.0              | -8.0           | 2.95 V                   | 348                        | 35.36                  | 2.66                           |

**REMARKS:**

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

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0+2115.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 163.84         | -66.0 QP                   | -13.0       | -53.0          | 1.58 H                   | 269                        | -57.67                | -8.37                     |
| 2                                                   | 226.91         | -65.6 QP                   | -13.0       | -52.6          | 1.76 H                   | 124                        | -54.51                | -11.04                    |
| 3                                                   | 539.25         | -58.1 QP                   | -13.0       | -45.1          | 1.55 H                   | 14                         | -56.24                | -1.82                     |
| 4                                                   | 658.56         | -55.2 QP                   | -13.0       | -42.2          | 1.88 H                   | 165                        | -55.48                | 0.30                      |
| 5                                                   | 827.34         | -52.5 QP                   | -13.0       | -39.5          | 1.00 H                   | 99                         | -55.63                | 3.10                      |
| 6                                                   | 960.23         | -50.7 QP                   | -13.0       | -37.7          | 1.00 H                   | 293                        | -56.37                | 5.68                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 167.74         | -65.1 QP                   | -13.0       | -52.1          | 1.37 V                   | 249                        | -56.59                | -8.48                     |
| 2                                                   | 236.61         | -64.8 QP                   | -13.0       | -51.8          | 2.28 V                   | 183                        | -54.91                | -9.90                     |
| 3                                                   | 450.98         | -59.3 QP                   | -13.0       | -46.3          | 2.34 V                   | 115                        | -55.60                | -3.70                     |
| 4                                                   | 613.94         | -55.4 QP                   | -13.0       | -42.4          | 2.29 V                   | 284                        | -55.07                | -0.28                     |
| 5                                                   | 746.83         | -52.5 QP                   | -13.0       | -39.5          | 1.62 V                   | 103                        | -54.39                | 1.90                      |
| 6                                                   | 968.96         | -49.1 QP                   | -13.0       | -36.1          | 2.00 V                   | 320                        | -54.79                | 5.74                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 4 (CBW: 15MHz) +802.11g +802.11a**

|                        |                        |                              |                 |
|------------------------|------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 881.0+2147.5+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz           |                              |                 |

| <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                                                              | 78.62          | 21.3 QP                       | 40.0              | -18.7          | 4.00 H                   | 143                        | 34.15                  | -12.86                         |
| 2                                                              | 180.26         | 27.1 QP                       | 43.5              | -16.4          | 4.00 H                   | 301                        | 36.77                  | -9.64                          |
| 3                                                              | 359.98         | 37.6 QP                       | 46.0              | -8.4           | 2.88 H                   | 18                         | 43.57                  | -5.99                          |
| 4                                                              | 620.39         | 37.1 QP                       | 46.0              | -8.9           | 1.34 H                   | 224                        | 37.22                  | -0.11                          |
| 5                                                              | 680.05         | 37.9 QP                       | 46.0              | -8.1           | 1.10 H                   | 284                        | 37.22                  | 0.67                           |
| 6                                                              | 798.54         | 37.2 QP                       | 46.0              | -8.8           | 1.00 H                   | 220                        | 34.45                  | 2.73                           |
| <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                                                              | 40.25          | 34.0 QP                       | 40.0              | -6.0           | 1.33 V                   | 93                         | 43.43                  | -9.46                          |
| 2                                                              | 137.86         | 29.4 QP                       | 43.5              | -14.1          | 1.00 V                   | 230                        | 38.80                  | -9.36                          |
| 3                                                              | 268.58         | 30.1 QP                       | 46.0              | -15.9          | 1.68 V                   | 184                        | 37.92                  | -7.84                          |
| 4                                                              | 422.81         | 36.5 QP                       | 46.0              | -9.5           | 2.03 V                   | 27                         | 40.81                  | -4.29                          |
| 5                                                              | 679.09         | 37.9 QP                       | 46.0              | -8.1           | 2.49 V                   | 328                        | 37.26                  | 0.66                           |
| 6                                                              | 801.87         | 37.5 QP                       | 46.0              | -8.5           | 2.63 V                   | 144                        | 34.76                  | 2.76                           |

**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

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0+2147.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 146.40         | -64.9 QP                   | -13.0       | -51.9          | 1.18 H                   | 224                        | -56.25                | -8.66                     |
| 2                                                   | 226.91         | -64.5 QP                   | -13.0       | -51.5          | 1.63 H                   | 158                        | -53.44                | -11.04                    |
| 3                                                   | 485.90         | -58.1 QP                   | -13.0       | -45.1          | 2.58 H                   | 220                        | -55.09                | -3.03                     |
| 4                                                   | 654.68         | -53.2 QP                   | -13.0       | -40.2          | 2.01 H                   | 265                        | -53.44                | 0.28                      |
| 5                                                   | 761.38         | -51.8 QP                   | -13.0       | -38.8          | 1.32 H                   | 87                         | -53.98                | 2.22                      |
| 6                                                   | 916.58         | -49.1 QP                   | -13.0       | -36.1          | 1.00 H                   | 291                        | -53.81                | 4.71                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 157.07         | -65.7 QP                   | -13.0       | -52.7          | 1.58 V                   | 179                        | -57.25                | -8.49                     |
| 2                                                   | 381.14         | -61.5 QP                   | -13.0       | -48.5          | 2.46 V                   | 120                        | -56.34                | -5.15                     |
| 3                                                   | 510.15         | -57.7 QP                   | -13.0       | -44.7          | 2.05 V                   | 119                        | -55.28                | -2.42                     |
| 4                                                   | 594.54         | -56.9 QP                   | -13.0       | -43.9          | 2.03 V                   | 300                        | -56.27                | -0.59                     |
| 5                                                   | 776.90         | -52.9 QP                   | -13.0       | -39.9          | 2.71 V                   | 260                        | -55.25                | 2.31                      |
| 6                                                   | 935.01         | -50.2 QP                   | -13.0       | -37.2          | 2.28 V                   | 169                        | -55.22                | 5.04                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 4 (CBW: 20MHz) +802.11g +802.11a**

|                        |                        |                              |                 |
|------------------------|------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 881.0+2132.5+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz           |                              |                 |

| <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                                                              | 74.23          | 22.4 QP                       | 40.0              | -17.6          | 4.00 H                   | 158                        | 33.98                  | -11.55                         |
| 2                                                              | 167.58         | 26.9 QP                       | 43.5              | -16.7          | 4.00 H                   | 189                        | 35.33                  | -8.48                          |
| 3                                                              | 360.25         | 35.4 QP                       | 46.0              | -10.6          | 2.88 H                   | 231                        | 41.40                  | -5.97                          |
| 4                                                              | 648.17         | 33.6 QP                       | 46.0              | -12.4          | 1.56 H                   | 235                        | 33.32                  | 0.26                           |
| 5                                                              | 680.42         | 38.1 QP                       | 46.0              | -8.0           | 1.28 H                   | 80                         | 37.38                  | 0.67                           |
| 6                                                              | 802.14         | 37.9 QP                       | 46.0              | -8.1           | 1.00 H                   | 118                        | 35.09                  | 2.77                           |
| <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                                                              | 38.48          | 34.0 QP                       | 40.0              | -6.0           | 1.42 V                   | 143                        | 43.63                  | -9.61                          |
| 2                                                              | 143.85         | 30.5 QP                       | 43.5              | -13.0          | 1.00 V                   | 208                        | 39.32                  | -8.80                          |
| 3                                                              | 269.23         | 32.6 QP                       | 46.0              | -13.4          | 2.07 V                   | 192                        | 40.38                  | -7.80                          |
| 4                                                              | 430.58         | 37.2 QP                       | 46.0              | -8.9           | 2.37 V                   | 76                         | 41.08                  | -3.93                          |
| 5                                                              | 653.29         | 36.3 QP                       | 46.0              | -9.7           | 2.78 V                   | 355                        | 36.01                  | 0.27                           |
| 6                                                              | 800.02         | 38.0 QP                       | 46.0              | -8.0           | 2.44 V                   | 151                        | 35.36                  | 2.66                           |

**REMARKS:**

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



|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0+2132.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 163.86         | -66.2 QP                   | -13.0       | -53.2          | 1.63 H                   | 213                        | -57.80                | -8.37                     |
| 2                                                   | 299.66         | -63.4 QP                   | -13.0       | -50.4          | 3.08 H                   | 226                        | -56.56                | -6.83                     |
| 3                                                   | 475.23         | -59.4 QP                   | -13.0       | -46.4          | 1.51 H                   | 173                        | -56.12                | -3.26                     |
| 4                                                   | 652.74         | -55.7 QP                   | -13.0       | -42.7          | 1.35 H                   | 209                        | -55.95                | 0.28                      |
| 5                                                   | 766.23         | -52.8 QP                   | -13.0       | -39.8          | 2.07 H                   | 110                        | -55.13                | 2.30                      |
| 6                                                   | 949.56         | -50.2 QP                   | -13.0       | -37.2          | 1.00 H                   | 88                         | -55.70                | 5.48                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 155.13         | -65.3 QP                   | -13.0       | -52.3          | 1.82 V                   | 273                        | -56.82                | -8.52                     |
| 2                                                   | 282.20         | -63.5 QP                   | -13.0       | -50.5          | 1.14 V                   | 156                        | -56.16                | -7.29                     |
| 3                                                   | 520.82         | -57.6 QP                   | -13.0       | -44.6          | 1.65 V                   | 109                        | -55.41                | -2.21                     |
| 4                                                   | 636.25         | -55.5 QP                   | -13.0       | -42.5          | 2.38 V                   | 117                        | -55.67                | 0.19                      |
| 5                                                   | 796.30         | -51.9 QP                   | -13.0       | -38.9          | 2.40 V                   | 308                        | -54.49                | 2.64                      |
| 6                                                   | 985.45         | -48.2 QP                   | -13.0       | -35.2          | 2.11 V                   | 174                        | -54.08                | 5.89                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a**

|                        |                       |                              |                 |
|------------------------|-----------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 881.0+731.5+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz          |                              |                 |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 69.83          | 23.6 QP                       | 40.0              | -16.4          | 4.00 H                   | 229                        | 33.83                  | -10.25                         |
| 2   | 177.03         | 27.1 QP                       | 43.5              | -16.4          | 4.00 H                   | 204                        | 36.39                  | -9.29                          |
| 3   | 358.59         | 36.3 QP                       | 46.0              | -9.7           | 2.94 H                   | 199                        | 42.27                  | -6.00                          |
| 4   | 652.80         | 33.0 QP                       | 46.0              | -13.0          | 1.86 H                   | 277                        | 32.68                  | 0.28                           |
| 5   | 689.13         | 37.6 QP                       | 46.0              | -8.4           | 1.25 H                   | 168                        | 36.79                  | 0.79                           |
| 6   | 800.02         | 37.9 QP                       | 46.0              | -8.1           | 1.00 H                   | 197                        | 35.23                  | 2.66                           |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 35.29          | 33.2 QP                       | 40.0              | -6.8           | 1.22 V                   | 244                        | 43.44                  | -10.23                         |
| 2   | 149.64         | 31.1 QP                       | 43.5              | -12.4          | 1.00 V                   | 318                        | 39.58                  | -8.50                          |
| 3   | 273.96         | 31.9 QP                       | 46.0              | -14.1          | 1.62 V                   | 89                         | 39.41                  | -7.52                          |
| 4   | 422.27         | 35.9 QP                       | 46.0              | -10.1          | 2.12 V                   | 285                        | 40.20                  | -4.32                          |
| 5   | 659.98         | 36.5 QP                       | 46.0              | -9.5           | 3.07 V                   | 200                        | 36.20                  | 0.28                           |
| 6   | 798.92         | 37.5 QP                       | 46.0              | -8.5           | 2.98 V                   | 173                        | 34.81                  | 2.71                           |

**REMARKS:**

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

|                 |                       |                      |                 |
|-----------------|-----------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0+731.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz          |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 138.64         | -66.6 QP                   | -13.0       | -53.6          | 3.20 H                   | 62                         | -57.32                | -9.28                     |
| 2                                                   | 227.88         | -65.7 QP                   | -13.0       | -52.7          | 2.75 H                   | 49                         | -54.64                | -11.03                    |
| 3                                                   | 402.48         | -61.7 QP                   | -13.0       | -48.7          | 2.15 H                   | 196                        | -56.89                | -4.78                     |
| 4                                                   | 653.71         | -54.1 QP                   | -13.0       | -41.1          | 1.25 H                   | 355                        | -54.39                | 0.27                      |
| 5                                                   | 849.65         | -51.2 QP                   | -13.0       | -38.2          | 1.00 H                   | 267                        | -54.46                | 3.22                      |
| 6                                                   | 932.10         | -50.1 QP                   | -13.0       | -37.1          | 1.00 H                   | 258                        | -55.14                | 5.06                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 35.82          | -66.7 QP                   | -13.0       | -53.7          | 1.89 V                   | 126                        | -56.52                | -10.19                    |
| 2                                                   | 168.71         | -65.5 QP                   | -13.0       | -52.5          | 1.35 V                   | 208                        | -56.98                | -8.55                     |
| 3                                                   | 276.38         | -65.1 QP                   | -13.0       | -52.1          | 2.20 V                   | 295                        | -57.70                | -7.41                     |
| 4                                                   | 524.70         | -59.2 QP                   | -13.0       | -46.2          | 2.43 V                   | 301                        | -57.07                | -2.13                     |
| 5                                                   | 789.51         | -54.0 QP                   | -13.0       | -41.0          | 2.71 V                   | 58                         | -56.44                | 2.48                      |
| 6                                                   | 959.26         | -50.2 QP                   | -13.0       | -37.2          | 1.96 V                   | 228                        | -55.80                | 5.65                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 5 +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a**

|                        |                       |                              |                 |
|------------------------|-----------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 881.0+740.0+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz          |                              |                 |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 70.11          | 24.0 QP                       | 40.0              | -16.0          | 4.00 H                   | 208                        | 34.32                  | -10.29                         |
| 2   | 182.07         | 26.4 QP                       | 43.5              | -17.1          | 4.00 H                   | 173                        | 36.33                  | -9.92                          |
| 3   | 360.25         | 35.9 QP                       | 46.0              | -10.1          | 3.17 H                   | 229                        | 41.86                  | -5.97                          |
| 4   | 660.18         | 33.1 QP                       | 46.0              | -13.0          | 2.00 H                   | 93                         | 32.77                  | 0.28                           |
| 5   | 680.45         | 38.1 QP                       | 46.0              | -8.0           | 1.71 H                   | 113                        | 37.38                  | 0.67                           |
| 6   | 800.10         | 37.1 QP                       | 46.0              | -8.9           | 1.00 H                   | 156                        | 34.42                  | 2.67                           |

**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   | 30.94          | 32.9 QP                       | 40.0              | -7.1           | 1.05 V                   | 200                        | 43.47                  | -10.61                         |
| 2   | 138.00         | 32.1 QP                       | 43.5              | -11.4          | 1.00 V                   | 234                        | 41.45                  | -9.34                          |
| 3   | 279.05         | 31.0 QP                       | 46.0              | -15.0          | 1.33 V                   | 185                        | 38.31                  | -7.32                          |
| 4   | 444.35         | 35.1 QP                       | 46.0              | -10.9          | 2.41 V                   | 275                        | 38.85                  | -3.76                          |
| 5   | 673.17         | 36.2 QP                       | 46.0              | -9.9           | 3.22 V                   | 139                        | 35.54                  | 0.61                           |
| 6   | 799.95         | 37.2 QP                       | 46.0              | -8.8           | 2.76 V                   | 224                        | 34.50                  | 2.66                           |

**REMARKS:**

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

|                 |                       |                      |                 |
|-----------------|-----------------------|----------------------|-----------------|
| TEST FREQUENCY  | 881.0+740.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz          |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 167.74         | -65.9 QP                   | -13.0       | -52.9          | 2.86 H                   | 174                        | -57.44                | -8.48                     |
| 2                                                   | 433.52         | -60.9 QP                   | -13.0       | -47.9          | 2.45 H                   | 116                        | -57.02                | -3.86                     |
| 3                                                   | 521.79         | -58.9 QP                   | -13.0       | -45.9          | 1.68 H                   | 193                        | -56.72                | -2.19                     |
| 4                                                   | 722.58         | -54.7 QP                   | -13.0       | -41.7          | 1.14 H                   | 85                         | -56.03                | 1.29                      |
| 5                                                   | 791.45         | -53.0 QP                   | -13.0       | -40.0          | 1.00 H                   | 269                        | -55.53                | 2.51                      |
| 6                                                   | 967.02         | -50.0 QP                   | -13.0       | -37.0          | 1.00 H                   | 300                        | -55.69                | 5.74                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 162.89         | -66.7 QP                   | -13.0       | -53.7          | 1.25 V                   | 288                        | -58.26                | -8.45                     |
| 2                                                   | 227.88         | -65.7 QP                   | -13.0       | -52.7          | 1.86 V                   | 236                        | -54.64                | -11.03                    |
| 3                                                   | 367.56         | -63.2 QP                   | -13.0       | -50.2          | 2.03 V                   | 152                        | -57.63                | -5.58                     |
| 4                                                   | 483.96         | -59.6 QP                   | -13.0       | -46.6          | 2.63 V                   | 342                        | -56.54                | -3.08                     |
| 5                                                   | 653.71         | -54.1 QP                   | -13.0       | -41.1          | 2.49 V                   | 28                         | -54.39                | 0.27                      |
| 6                                                   | 791.45         | -53.0 QP                   | -13.0       | -40.0          | 2.67 V                   | 224                        | -55.53                | 2.51                      |

#### REMARKS:

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 4 (CBW: 5MHz) +802.11g +802.11a**

|                        |                         |                              |                 |
|------------------------|-------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 1960.0+2132.5+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz            |                              |                 |

| <b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b> |                        |                                        |                           |                        |                                   |                                     |                                 |                                         |
|----------------------------------------------------------------|------------------------|----------------------------------------|---------------------------|------------------------|-----------------------------------|-------------------------------------|---------------------------------|-----------------------------------------|
| <b>NO.</b>                                                     | <b>FREQ.<br/>(MHz)</b> | <b>EMISSION<br/>LEVEL<br/>(dBuV/m)</b> | <b>LIMIT<br/>(dBuV/m)</b> | <b>MARGIN<br/>(dB)</b> | <b>ANTENNA<br/>HEIGHT<br/>(m)</b> | <b>TABLE<br/>ANGLE<br/>(Degree)</b> | <b>RAW<br/>VALUE<br/>(dBuV)</b> | <b>CORRECTION<br/>FACTOR<br/>(dB/m)</b> |
| 1                                                              | 62.11                  | 25.1 QP                                | 40.0                      | -14.9                  | 4.00 H                            | 221                                 | 34.84                           | -9.75                                   |
| 2                                                              | 181.87                 | 27.7 QP                                | 43.5                      | -15.9                  | 4.00 H                            | 189                                 | 37.54                           | -9.89                                   |
| 3                                                              | 360.68                 | 36.2 QP                                | 46.0                      | -9.8                   | 3.00 H                            | 347                                 | 42.14                           | -5.94                                   |
| 4                                                              | 670.42                 | 32.9 QP                                | 46.0                      | -13.1                  | 2.18 H                            | 190                                 | 32.31                           | 0.57                                    |
| 5                                                              | 680.71                 | 37.9 QP                                | 46.0                      | -8.1                   | 1.34 H                            | 101                                 | 37.21                           | 0.67                                    |
| 6                                                              | 800.19                 | 37.6 QP                                | 46.0                      | -8.4                   | 1.00 H                            | 66                                  | 34.91                           | 2.67                                    |
| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>   |                        |                                        |                           |                        |                                   |                                     |                                 |                                         |
| <b>NO.</b>                                                     | <b>FREQ.<br/>(MHz)</b> | <b>EMISSION<br/>LEVEL<br/>(dBuV/m)</b> | <b>LIMIT<br/>(dBuV/m)</b> | <b>MARGIN<br/>(dB)</b> | <b>ANTENNA<br/>HEIGHT<br/>(m)</b> | <b>TABLE<br/>ANGLE<br/>(Degree)</b> | <b>RAW<br/>VALUE<br/>(dBuV)</b> | <b>CORRECTION<br/>FACTOR<br/>(dB/m)</b> |
| 1                                                              | 33.58                  | 33.1 QP                                | 40.0                      | -6.9                   | 1.20 V                            | 119                                 | 43.51                           | -10.43                                  |
| 2                                                              | 142.63                 | 31.9 QP                                | 43.5                      | -11.6                  | 1.00 V                            | 188                                 | 40.91                           | -8.98                                   |
| 3                                                              | 240.75                 | 31.6 QP                                | 46.0                      | -14.4                  | 1.58 V                            | 265                                 | 41.04                           | -9.48                                   |
| 4                                                              | 453.98                 | 35.9 QP                                | 46.0                      | -10.1                  | 2.88 V                            | 109                                 | 39.57                           | -3.69                                   |
| 5                                                              | 683.07                 | 36.6 QP                                | 46.0                      | -9.4                   | 3.10 V                            | 65                                  | 35.87                           | 0.71                                    |
| 6                                                              | 799.99                 | 37.9 QP                                | 46.0                      | -8.1                   | 2.89 V                            | 304                                 | 35.20                           | 2.66                                    |

**REMARKS:**

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

|                 |                         |                      |                 |
|-----------------|-------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 1960.0+2132.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz            |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 151.27         | -68.4 QP                   | -13.0       | -55.4          | 2.28 H                   | 176                        | -59.90                | -8.46                     |
| 2                                                   | 325.85         | -64.3 QP                   | -13.0       | -51.3          | 2.49 H                   | 256                        | -58.10                | -6.22                     |
| 3                                                   | 471.32         | -62.4 QP                   | -13.0       | -49.4          | 1.87 H                   | 181                        | -59.08                | -3.34                     |
| 4                                                   | 683.78         | -56.5 QP                   | -13.0       | -43.5          | 1.69 H                   | 243                        | -57.23                | 0.73                      |
| 5                                                   | 870.02         | -52.8 QP                   | -13.0       | -39.8          | 1.07 H                   | 74                         | -56.42                | 3.63                      |
| 6                                                   | 953.44         | -52.7 QP                   | -13.0       | -39.7          | 1.50 H                   | 302                        | -58.23                | 5.56                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 159.98         | -67.0 QP                   | -13.0       | -54.0          | 1.28 V                   | 257                        | -58.58                | -8.46                     |
| 2                                                   | 414.12         | -61.6 QP                   | -13.0       | -48.6          | 1.63 V                   | 229                        | -57.03                | -4.59                     |
| 3                                                   | 513.06         | -60.3 QP                   | -13.0       | -47.3          | 1.84 V                   | 107                        | -57.99                | -2.35                     |
| 4                                                   | 681.84         | -56.8 QP                   | -13.0       | -43.8          | 1.95 V                   | 206                        | -57.48                | 0.69                      |
| 5                                                   | 779.81         | -55.3 QP                   | -13.0       | -42.3          | 3.01 V                   | 173                        | -57.85                | 2.51                      |
| 6                                                   | 961.20         | -52.4 QP                   | -13.0       | -39.4          | 2.85 V                   | 114                        | -58.15                | 5.71                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 4 (CBW: 10MHz) +802.11g +802.11a**

|                        |                         |                              |                 |
|------------------------|-------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 1960.0+2115.0+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz            |                              |                 |

| <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                                                              | 68.77          | 25.9 QP                       | 40.0              | -14.1          | 4.00 H                   | 358                        | 36.23                  | -10.35                         |
| 2                                                              | 173.25         | 27.2 QP                       | 43.5              | -16.3          | 4.00 H                   | 118                        | 36.03                  | -8.87                          |
| 3                                                              | 359.84         | 36.9 QP                       | 46.0              | -9.1           | 3.34 H                   | 273                        | 42.86                  | -5.99                          |
| 4                                                              | 602.42         | 32.0 QP                       | 46.0              | -14.0          | 2.30 H                   | 174                        | 32.49                  | -0.51                          |
| 5                                                              | 680.20         | 38.0 QP                       | 46.0              | -8.0           | 1.46 H                   | 163                        | 37.37                  | 0.67                           |
| 6                                                              | 799.93         | 37.6 QP                       | 46.0              | -8.4           | 1.00 H                   | 111                        | 34.93                  | 2.67                           |
| <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                                                              | 36.18          | 34.2 QP                       | 40.0              | -5.8           | 1.42 V                   | 193                        | 44.29                  | -10.12                         |
| 2                                                              | 158.32         | 32.9 QP                       | 43.5              | -10.6          | 1.38 V                   | 186                        | 41.31                  | -8.43                          |
| 3                                                              | 254.88         | 32.1 QP                       | 46.0              | -13.9          | 1.00 V                   | 277                        | 40.72                  | -8.64                          |
| 4                                                              | 458.94         | 36.8 QP                       | 46.0              | -9.2           | 2.83 V                   | 209                        | 40.37                  | -3.60                          |
| 5                                                              | 680.26         | 38.0 QP                       | 46.0              | -8.1           | 2.90 V                   | 146                        | 37.28                  | 0.67                           |
| 6                                                              | 799.99         | 38.7 QP                       | 46.0              | -7.3           | 2.77 V                   | 205                        | 36.08                  | 2.66                           |

**REMARKS:**

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



|                 |                         |                      |                 |
|-----------------|-------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 1960.0+2115.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz            |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 62.98          | -64.8 QP                   | -13.0       | -51.8          | 2.75 H                   | 223                        | -55.15                | -9.67                     |
| 2                                                   | 151.25         | -63.3 QP                   | -13.0       | -50.3          | 1.47 H                   | 196                        | -54.85                | -8.47                     |
| 3                                                   | 414.12         | -62.1 QP                   | -13.0       | -49.1          | 2.05 H                   | 355                        | -57.48                | -4.59                     |
| 4                                                   | 615.88         | -58.5 QP                   | -13.0       | -45.5          | 2.37 H                   | 162                        | -58.23                | -0.23                     |
| 5                                                   | 784.66         | -53.4 QP                   | -13.0       | -40.4          | 1.24 H                   | 163                        | -55.91                | 2.51                      |
| 6                                                   | 979.63         | -50.5 QP                   | -13.0       | -37.5          | 1.17 H                   | 26                         | -56.50                | 5.96                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 49.40          | -68.3 QP                   | -13.0       | -55.3          | 1.42 V                   | 227                        | -59.57                | -8.74                     |
| 2                                                   | 152.22         | -67.8 QP                   | -13.0       | -54.8          | 1.00 V                   | 109                        | -59.39                | -8.44                     |
| 3                                                   | 353.98         | -63.0 QP                   | -13.0       | -50.0          | 1.08 V                   | 293                        | -56.93                | -6.09                     |
| 4                                                   | 697.36         | -56.0 QP                   | -13.0       | -43.0          | 2.56 V                   | 175                        | -56.87                | 0.90                      |
| 5                                                   | 845.77         | -52.8 QP                   | -13.0       | -39.8          | 1.98 V                   | 224                        | -56.02                | 3.18                      |
| 6                                                   | 947.62         | -52.6 QP                   | -13.0       | -39.6          | 1.62 V                   | 52                         | -58.00                | 5.39                      |

#### REMARKS:

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 4 (CBW: 15MHz) +802.11g +802.11a**

|                        |                         |                              |                 |
|------------------------|-------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 1960.0+2147.5+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz            |                              |                 |

| <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                                                              | 64.85          | 26.9 QP                       | 40.0              | -13.2          | 4.00 H                   | 238                        | 36.61                  | -9.76                          |
| 2                                                              | 170.12         | 26.6 QP                       | 43.5              | -16.9          | 4.00 H                   | 143                        | 35.25                  | -8.67                          |
| 3                                                              | 359.98         | 35.7 QP                       | 46.0              | -10.3          | 2.75 H                   | 203                        | 41.66                  | -5.99                          |
| 4                                                              | 602.42         | 32.9 QP                       | 46.0              | -13.2          | 1.67 H                   | 122                        | 33.36                  | -0.51                          |
| 5                                                              | 680.03         | 38.0 QP                       | 46.0              | -8.0           | 1.50 H                   | 152                        | 37.32                  | 0.67                           |
| 6                                                              | 799.96         | 38.6 QP                       | 46.0              | -7.4           | 1.00 H                   | 106                        | 35.91                  | 2.66                           |
| <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                                                              | 34.88          | 33.9 QP                       | 40.0              | -6.2           | 1.52 V                   | 208                        | 44.12                  | -10.27                         |
| 2                                                              | 152.71         | 31.9 QP                       | 43.5              | -11.6          | 1.00 V                   | 173                        | 40.37                  | -8.44                          |
| 3                                                              | 269.80         | 31.1 QP                       | 46.0              | -14.9          | 1.00 V                   | 302                        | 38.85                  | -7.77                          |
| 4                                                              | 470.69         | 36.0 QP                       | 46.0              | -10.0          | 2.34 V                   | 7                          | 39.34                  | -3.36                          |
| 5                                                              | 680.26         | 38.0 QP                       | 46.0              | -8.0           | 2.49 V                   | 185                        | 37.37                  | 0.67                           |
| 6                                                              | 810.14         | 38.1 QP                       | 46.0              | -8.0           | 2.56 V                   | 311                        | 35.20                  | 2.85                           |

**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

|                 |                         |                      |                 |
|-----------------|-------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 1960.0+2147.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz            |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 61.04          | -68.8 QP                   | -13.0       | -55.8          | 2.48 H                   | 155                        | -59.36                | -9.40                     |
| 2                                                   | 163.86         | -68.1 QP                   | -13.0       | -55.1          | 2.29 H                   | 106                        | -59.69                | -8.37                     |
| 3                                                   | 539.25         | -59.5 QP                   | -13.0       | -46.5          | 1.66 H                   | 143                        | -57.69                | -1.82                     |
| 4                                                   | 817.64         | -53.6 QP                   | -13.0       | -40.6          | 1.95 H                   | 224                        | -56.50                | 2.91                      |
| 5                                                   | 907.85         | -52.4 QP                   | -13.0       | -39.4          | 1.00 H                   | 11                         | -56.88                | 4.44                      |
| 6                                                   | 972.84         | -51.2 QP                   | -13.0       | -38.2          | 1.00 H                   | 264                        | -56.99                | 5.82                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 163.86         | -67.2 QP                   | -13.0       | -54.2          | 1.85 V                   | 224                        | -58.83                | -8.37                     |
| 2                                                   | 465.53         | -61.0 QP                   | -13.0       | -48.0          | 2.08 V                   | 163                        | -57.62                | -3.42                     |
| 3                                                   | 577.08         | -58.8 QP                   | -13.0       | -45.8          | 2.55 V                   | 142                        | -57.69                | -1.09                     |
| 4                                                   | 649.83         | -56.6 QP                   | -13.0       | -43.6          | 2.96 V                   | 174                        | -56.87                | 0.28                      |
| 5                                                   | 773.99         | -54.8 QP                   | -13.0       | -41.8          | 1.93 V                   | 51                         | -57.07                | 2.29                      |
| 6                                                   | 896.21         | -52.1 QP                   | -13.0       | -39.1          | 1.90 V                   | 188                        | -55.95                | 3.89                      |

#### REMARKS:

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 4 (CBW: 20MHz) +802.11g +802.11a**

|                        |                         |                              |                 |
|------------------------|-------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 1960.0+2132.5+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz            |                              |                 |

| <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                                                              | 72.34          | 27.0 QP                       | 40.0              | -13.0          | 4.00 H                   | 195                        | 38.35                  | -11.31                         |
| 2                                                              | 168.43         | 26.0 QP                       | 43.5              | -17.5          | 4.00 H                   | 153                        | 34.51                  | -8.52                          |
| 3                                                              | 359.79         | 35.0 QP                       | 46.0              | -11.0          | 3.02 H                   | 191                        | 40.97                  | -5.99                          |
| 4                                                              | 602.89         | 33.3 QP                       | 46.0              | -12.7          | 1.53 H                   | 136                        | 33.77                  | -0.49                          |
| 5                                                              | 680.14         | 38.4 QP                       | 46.0              | -7.6           | 1.14 H                   | 103                        | 37.74                  | 0.67                           |
| 6                                                              | 799.99         | 38.9 QP                       | 46.0              | -7.2           | 1.00 H                   | 37                         | 36.19                  | 2.66                           |
| <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                                                              | 42.85          | 32.9 QP                       | 40.0              | -7.2           | 1.58 V                   | 119                        | 41.95                  | -9.10                          |
| 2                                                              | 172.69         | 31.0 QP                       | 43.5              | -12.6          | 1.00 V                   | 182                        | 39.80                  | -8.85                          |
| 3                                                              | 277.20         | 32.1 QP                       | 46.0              | -13.9          | 1.00 V                   | 273                        | 39.49                  | -7.38                          |
| 4                                                              | 480.13         | 36.9 QP                       | 46.0              | -9.2           | 1.86 V                   | 224                        | 40.01                  | -3.16                          |
| 5                                                              | 679.94         | 40.2 QP                       | 46.0              | -5.8           | 2.63 V                   | 107                        | 39.52                  | 0.67                           |
| 6                                                              | 802.36         | 39.9 QP                       | 46.0              | -6.1           | 3.07 V                   | 186                        | 37.10                  | 2.77                           |

**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

|                 |                         |                      |                 |
|-----------------|-------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 1960.0+2132.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz            |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 60.07          | -68.7 QP                   | -13.0       | -55.7          | 2.45 H                   | 121                        | -59.62                | -9.03                     |
| 2                                                   | 164.83         | -67.4 QP                   | -13.0       | -54.4          | 2.74 H                   | 129                        | -58.96                | -8.43                     |
| 3                                                   | 437.40         | -62.3 QP                   | -13.0       | -49.3          | 1.54 H                   | 220                        | -58.41                | -3.85                     |
| 4                                                   | 539.25         | -58.4 QP                   | -13.0       | -45.4          | 1.63 H                   | 108                        | -56.55                | -1.82                     |
| 5                                                   | 801.15         | -54.1 QP                   | -13.0       | -41.1          | 1.00 H                   | 305                        | -56.86                | 2.72                      |
| 6                                                   | 905.91         | -51.4 QP                   | -13.0       | -38.4          | 1.00 H                   | 146                        | -55.75                | 4.38                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 37.76          | -67.3 QP                   | -13.0       | -54.3          | 1.28 V                   | 100                        | -57.60                | -9.71                     |
| 2                                                   | 152.22         | -68.0 QP                   | -13.0       | -55.0          | 1.00 V                   | 274                        | -59.55                | -8.44                     |
| 3                                                   | 402.48         | -62.8 QP                   | -13.0       | -49.8          | 1.03 V                   | 251                        | -58.06                | -4.78                     |
| 4                                                   | 692.51         | -57.5 QP                   | -13.0       | -44.5          | 2.37 V                   | 304                        | -58.33                | 0.82                      |
| 5                                                   | 859.35         | -52.1 QP                   | -13.0       | -39.1          | 1.99 V                   | 224                        | -55.53                | 3.42                      |
| 6                                                   | 979.63         | -51.6 QP                   | -13.0       | -38.6          | 2.11 V                   | 195                        | -57.57                | 5.96                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a**

|                        |                        |                              |                 |
|------------------------|------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 1960.0+731.5+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz           |                              |                 |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 57.99          | 28.2 QP                       | 40.0              | -11.8          | 4.00 H                   | 184                        | 37.14                  | -8.98                          |
| 2   | 183.05         | 26.8 QP                       | 43.5              | -16.7          | 4.00 H                   | 106                        | 36.80                  | -9.99                          |
| 3   | 261.55         | 34.8 QP                       | 46.0              | -11.2          | 3.41 H                   | 285                        | 43.00                  | -8.18                          |
| 4   | 610.63         | 34.9 QP                       | 46.0              | -11.2          | 1.44 H                   | 230                        | 35.17                  | -0.32                          |
| 5   | 680.08         | 38.7 QP                       | 46.0              | -7.4           | 1.29 H                   | 76                         | 37.98                  | 0.67                           |
| 6   | 799.99         | 38.2 QP                       | 46.0              | -7.8           | 1.00 H                   | 305                        | 35.53                  | 2.66                           |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 45.85          | 33.1 QP                       | 40.0              | -7.0           | 1.62 V                   | 138                        | 42.08                  | -9.03                          |
| 2   | 163.33         | 31.1 QP                       | 43.5              | -12.5          | 1.00 V                   | 177                        | 39.46                  | -8.41                          |
| 3   | 248.96         | 31.7 QP                       | 46.0              | -14.3          | 1.00 V                   | 63                         | 40.75                  | -9.02                          |
| 4   | 472.63         | 35.8 QP                       | 46.0              | -10.2          | 2.11 V                   | 209                        | 39.11                  | -3.32                          |
| 5   | 681.12         | 39.6 QP                       | 46.0              | -6.4           | 2.53 V                   | 182                        | 38.91                  | 0.67                           |
| 6   | 798.99         | 38.7 QP                       | 46.0              | -7.3           | 2.86 V                   | 300                        | 36.01                  | 2.71                           |

**REMARKS:**

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

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 1960.0+731.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 163.86         | -66.6 QP                   | -13.0       | -53.6          | 2.48 H                   | 111                        | -58.25                | -8.37                     |
| 2                                                   | 323.91         | -63.4 QP                   | -13.0       | -50.4          | 2.38 H                   | 110                        | -57.13                | -6.22                     |
| 3                                                   | 497.54         | -58.3 QP                   | -13.0       | -45.3          | 2.37 H                   | 159                        | -55.53                | -2.76                     |
| 4                                                   | 609.09         | -58.2 QP                   | -13.0       | -45.2          | 1.38 H                   | 254                        | -57.81                | -0.35                     |
| 5                                                   | 802.12         | -53.9 QP                   | -13.0       | -40.9          | 1.00 H                   | 108                        | -56.69                | 2.77                      |
| 6                                                   | 876.81         | -51.2 QP                   | -13.0       | -38.2          | 1.00 H                   | 207                        | -54.82                | 3.65                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 157.07         | -65.6 QP                   | -13.0       | -52.6          | 1.13 V                   | 247                        | -57.09                | -8.49                     |
| 2                                                   | 400.54         | -61.5 QP                   | -13.0       | -48.5          | 2.52 V                   | 221                        | -56.77                | -4.77                     |
| 3                                                   | 489.78         | -60.0 QP                   | -13.0       | -47.0          | 2.43 V                   | 193                        | -56.95                | -3.00                     |
| 4                                                   | 750.71         | -53.2 QP                   | -13.0       | -40.2          | 2.36 V                   | 179                        | -55.12                | 1.90                      |
| 5                                                   | 816.67         | -52.2 QP                   | -13.0       | -39.2          | 2.43 V                   | 22                         | -55.06                | 2.89                      |
| 6                                                   | 897.18         | -50.7 QP                   | -13.0       | -37.7          | 2.43 V                   | 158                        | -54.62                | 3.94                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

**WCDMA Band 2 +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a**

|                        |                        |                              |                 |
|------------------------|------------------------|------------------------------|-----------------|
| <b>TEST FREQUENCY</b>  | 1960.0+740.0+2412+5785 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz           |                              |                 |

| <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                                                              | 63.58          | 22.6 QP                       | 40.0              | -17.4          | 4.00 H                   | 237                        | 32.18                  | -9.61                          |
| 2                                                              | 190.32         | 27.1 QP                       | 43.5              | -16.4          | 4.00 H                   | 208                        | 37.92                  | -10.81                         |
| 3                                                              | 265.81         | 34.6 QP                       | 46.0              | -11.4          | 3.62 H                   | 248                        | 42.60                  | -7.99                          |
| 4                                                              | 610.63         | 33.9 QP                       | 46.0              | -12.1          | 2.07 H                   | 183                        | 34.24                  | -0.32                          |
| 5                                                              | 679.88         | 38.9 QP                       | 46.0              | -7.1           | 1.82 H                   | 96                         | 38.24                  | 0.67                           |
| 6                                                              | 799.83         | 39.7 QP                       | 46.0              | -6.3           | 1.00 H                   | 186                        | 37.05                  | 2.67                           |
| <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                                                              | 43.22          | 32.9 QP                       | 40.0              | -7.1           | 1.43 V                   | 176                        | 41.91                  | -9.04                          |
| 2                                                              | 158.97         | 32.1 QP                       | 43.5              | -11.4          | 1.00 V                   | 165                        | 40.50                  | -8.43                          |
| 3                                                              | 233.98         | 32.1 QP                       | 46.0              | -13.9          | 1.00 V                   | 122                        | 42.39                  | -10.32                         |
| 4                                                              | 480.63         | 36.1 QP                       | 46.0              | -10.0          | 2.10 V                   | 243                        | 39.19                  | -3.14                          |
| 5                                                              | 680.17         | 39.1 QP                       | 46.0              | -7.0           | 2.60 V                   | 315                        | 38.38                  | 0.67                           |
| 6                                                              | 799.99         | 38.9 QP                       | 46.0              | -7.1           | 2.74 V                   | 279                        | 36.24                  | 2.66                           |

**REMARKS:**

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



|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 1960.0+740.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 172.59         | -65.6 QP                   | -13.0       | -52.6          | 3.02 H                   | 225                        | -56.75                | -8.84                     |
| 2                                                   | 281.23         | -64.0 QP                   | -13.0       | -51.0          | 2.84 H                   | 117                        | -56.74                | -7.29                     |
| 3                                                   | 381.14         | -61.3 QP                   | -13.0       | -48.3          | 2.80 H                   | 166                        | -56.18                | -5.15                     |
| 4                                                   | 515.97         | -57.8 QP                   | -13.0       | -44.8          | 1.62 H                   | 147                        | -55.48                | -2.32                     |
| 5                                                   | 740.04         | -52.5 QP                   | -13.0       | -39.5          | 1.06 H                   | 155                        | -54.25                | 1.78                      |
| 6                                                   | 931.13         | -49.3 QP                   | -13.0       | -36.3          | 1.00 H                   | 89                         | -54.30                | 5.04                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 170.65         | -65.9 QP                   | -13.0       | -52.9          | 1.83 V                   | 227                        | -57.15                | -8.70                     |
| 2                                                   | 353.01         | -63.7 QP                   | -13.0       | -50.7          | 2.06 V                   | 155                        | -57.65                | -6.09                     |
| 3                                                   | 507.24         | -59.6 QP                   | -13.0       | -46.6          | 2.29 V                   | 201                        | -57.15                | -2.45                     |
| 4                                                   | 606.18         | -57.0 QP                   | -13.0       | -44.0          | 2.49 V                   | 170                        | -56.60                | -0.41                     |
| 5                                                   | 779.81         | -53.3 QP                   | -13.0       | -40.3          | 2.96 V                   | 12                         | -55.83                | 2.51                      |
| 6                                                   | 877.78         | -51.5 QP                   | -13.0       | -38.5          | 2.33 V                   | 200                        | -55.07                | 3.62                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

# LTE Band 4 (CBW: 5MHz) +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 2132.5+731.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

## ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 62.85          | 23.6 QP                       | 40.0              | -16.4          | 4.00 H                   | 196                        | 33.26                  | -9.68                          |
| 2   | 156.96         | 26.7 QP                       | 43.5              | -16.8          | 4.00 H                   | 188                        | 35.23                  | -8.49                          |
| 3   | 266.13         | 33.9 QP                       | 46.0              | -12.2          | 3.88 H                   | 271                        | 41.82                  | -7.97                          |
| 4   | 598.17         | 34.5 QP                       | 46.0              | -11.5          | 2.02 H                   | 74                         | 35.06                  | -0.59                          |
| 5   | 680.34         | 38.2 QP                       | 46.0              | -7.8           | 1.83 H                   | 226                        | 37.54                  | 0.67                           |
| 6   | 830.61         | 39.0 QP                       | 46.0              | -7.0           | 1.00 H                   | 152                        | 35.87                  | 3.13                           |

## ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 50.17          | 32.6 QP                       | 40.0              | -7.5           | 1.25 V                   | 89                         | 41.30                  | -8.75                          |
| 2   | 113.58         | 31.9 QP                       | 43.5              | -11.6          | 1.00 V                   | 182                        | 43.68                  | -11.81                         |
| 3   | 240.69         | 30.5 QP                       | 46.0              | -15.5          | 1.00 V                   | 47                         | 39.96                  | -9.48                          |
| 4   | 500.17         | 37.2 QP                       | 46.0              | -8.8           | 2.44 V                   | 126                        | 39.82                  | -2.65                          |
| 5   | 682.43         | 39.0 QP                       | 46.0              | -7.0           | 2.53 V                   | 265                        | 38.29                  | 0.70                           |
| 6   | 803.15         | 38.6 QP                       | 46.0              | -7.4           | 1.98 V                   | 272                        | 35.79                  | 2.78                           |

### 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

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 2132.5+731.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 157.07         | -65.7 QP                   | -13.0       | -52.7          | 2.48 H                   | 112                        | -57.17                | -8.49                     |
| 2                                                   | 390.84         | -60.8 QP                   | -13.0       | -47.8          | 2.48 H                   | 100                        | -55.77                | -5.01                     |
| 3                                                   | 529.55         | -57.1 QP                   | -13.0       | -44.1          | 1.93 H                   | 287                        | -54.99                | -2.06                     |
| 4                                                   | 735.19         | -52.6 QP                   | -13.0       | -39.6          | 1.16 H                   | 203                        | -54.22                | 1.66                      |
| 5                                                   | 842.86         | -51.0 QP                   | -13.0       | -38.0          | 1.05 H                   | 300                        | -54.19                | 3.21                      |
| 6                                                   | 956.35         | -48.8 QP                   | -13.0       | -35.8          | 1.00 H                   | 125                        | -54.42                | 5.62                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 140.58         | -66.9 QP                   | -13.0       | -53.9          | 1.53 V                   | 84                         | -57.77                | -9.14                     |
| 2                                                   | 324.88         | -63.1 QP                   | -13.0       | -50.1          | 1.23 V                   | 247                        | -56.91                | -6.22                     |
| 3                                                   | 537.31         | -58.4 QP                   | -13.0       | -45.4          | 2.37 V                   | 186                        | -56.47                | -1.88                     |
| 4                                                   | 645.95         | -56.5 QP                   | -13.0       | -43.5          | 2.63 V                   | 132                        | -56.77                | 0.24                      |
| 5                                                   | 881.66         | -51.4 QP                   | -13.0       | -38.4          | 2.90 V                   | 118                        | -55.05                | 3.66                      |
| 6                                                   | 982.54         | -49.8 QP                   | -13.0       | -36.8          | 1.98 V                   | 298                        | -55.72                | 5.93                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

# LTE Band 4 (CBW: 10MHz) +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 2115.0+740.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 79.28          | 24.2 QP                       | 40.0              | -15.8          | 4.00 H                   | 227                        | 37.11                  | -12.94                         |
| 2                                                   | 168.14         | 27.2 QP                       | 43.5              | -16.4          | 4.00 H                   | 98                         | 35.64                  | -8.49                          |
| 3                                                   | 273.35         | 31.6 QP                       | 46.0              | -14.4          | 3.71 H                   | 165                        | 39.15                  | -7.56                          |
| 4                                                   | 600.12         | 34.8 QP                       | 46.0              | -11.2          | 1.95 H                   | 166                        | 35.35                  | -0.54                          |
| 5                                                   | 680.49         | 38.7 QP                       | 46.0              | -7.4           | 1.40 H                   | 273                        | 37.98                  | 0.67                           |
| 6                                                   | 802.17         | 38.1 QP                       | 46.0              | -7.9           | 1.00 H                   | 175                        | 35.37                  | 2.77                           |
| 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                                                   | 39.27          | 33.9 QP                       | 40.0              | -6.1           | 1.37 V                   | 20                         | 43.40                  | -9.54                          |
| 2                                                   | 124.84         | 31.6 QP                       | 43.5              | -11.9          | 1.00 V                   | 196                        | 42.11                  | -10.53                         |
| 3                                                   | 223.96         | 31.6 QP                       | 46.0              | -14.4          | 1.00 V                   | 235                        | 42.64                  | -11.05                         |
| 4                                                   | 473.65         | 36.9 QP                       | 46.0              | -9.1           | 2.75 V                   | 166                        | 40.24                  | -3.30                          |
| 5                                                   | 679.84         | 38.5 QP                       | 46.0              | -7.5           | 2.62 V                   | 307                        | 37.85                  | 0.67                           |
| 6                                                   | 798.52         | 36.9 QP                       | 46.0              | -9.1           | 1.86 V                   | 200                        | 34.14                  | 2.73                           |

## REMARKS:

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

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 2115.0+740.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 157.07         | -65.9 QP                   | -13.0       | -52.9          | 2.89 H                   | 124                        | -57.38                | -8.49                     |
| 2                                                   | 321.07         | -63.6 QP                   | -13.0       | -50.6          | 2.27 H                   | 205                        | -57.27                | -6.28                     |
| 3                                                   | 508.21         | -59.4 QP                   | -13.0       | -46.4          | 1.48 H                   | 188                        | -57.00                | -2.43                     |
| 4                                                   | 638.19         | -55.3 QP                   | -13.0       | -42.3          | 2.38 H                   | 179                        | -55.44                | 0.17                      |
| 5                                                   | 786.60         | -53.2 QP                   | -13.0       | -40.2          | 1.10 H                   | 309                        | -55.73                | 2.49                      |
| 6                                                   | 968.96         | -50.6 QP                   | -13.0       | -37.6          | 2.06 H                   | 184                        | -56.38                | 5.74                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 153.19         | -65.5 QP                   | -13.0       | -52.5          | 1.15 V                   | 295                        | -57.05                | -8.45                     |
| 2                                                   | 385.99         | -61.0 QP                   | -13.0       | -48.0          | 2.01 V                   | 75                         | -55.92                | -5.10                     |
| 3                                                   | 449.04         | -59.7 QP                   | -13.0       | -46.7          | 2.44 V                   | 132                        | -55.96                | -3.71                     |
| 4                                                   | 618.79         | -56.2 QP                   | -13.0       | -43.2          | 2.44 V                   | 295                        | -56.01                | -0.15                     |
| 5                                                   | 774.96         | -52.3 QP                   | -13.0       | -39.3          | 2.38 V                   | 109                        | -54.54                | 2.23                      |
| 6                                                   | 953.44         | -49.0 QP                   | -13.0       | -36.0          | 1.99 V                   | 102                        | -54.57                | 5.56                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

# LTE Band 2 (CBW: 5MHz) +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 1987.5+731.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

## ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 84.52          | 25.2 QP                       | 40.0              | -14.8          | 4.00 H                   | 192                        | 39.10                  | -13.87                         |
| 2   | 159.61         | 27.7 QP                       | 43.5              | -15.8          | 4.00 H                   | 224                        | 36.13                  | -8.45                          |
| 3   | 243.85         | 32.0 QP                       | 46.0              | -14.0          | 3.66 H                   | 106                        | 41.31                  | -9.29                          |
| 4   | 600.10         | 35.0 QP                       | 46.0              | -11.0          | 2.04 H                   | 107                        | 35.58                  | -0.54                          |
| 5   | 680.87         | 38.7 QP                       | 46.0              | -7.3           | 1.78 H                   | 24                         | 38.03                  | 0.67                           |
| 6   | 799.65         | 38.6 QP                       | 46.0              | -7.4           | 1.00 H                   | 166                        | 35.88                  | 2.68                           |

## ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 34.51          | 32.9 QP                       | 40.0              | -7.1           | 1.60 V                   | 111                        | 43.16                  | -10.30                         |
| 2   | 147.55         | 32.1 QP                       | 43.5              | -11.5          | 1.00 V                   | 203                        | 40.62                  | -8.57                          |
| 3   | 242.63         | 30.1 QP                       | 46.0              | -15.9          | 1.00 V                   | 225                        | 39.45                  | -9.35                          |
| 4   | 480.28         | 36.6 QP                       | 46.0              | -9.5           | 1.84 V                   | 59                         | 39.70                  | -3.15                          |
| 5   | 682.09         | 37.3 QP                       | 46.0              | -8.8           | 2.58 V                   | 30                         | 36.56                  | 0.69                           |
| 6   | 805.50         | 38.2 QP                       | 46.0              | -7.8           | 1.99 V                   | 243                        | 35.46                  | 2.78                           |

### 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

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 1987.5+731.5+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 163.86         | -66.1 QP                   | -13.0       | -53.1          | 2.87 H                   | 254                        | -57.69                | -8.37                     |
| 2                                                   | 336.52         | -62.9 QP                   | -13.0       | -49.9          | 2.63 H                   | 177                        | -56.76                | -6.12                     |
| 3                                                   | 395.69         | -61.1 QP                   | -13.0       | -48.1          | 2.59 H                   | 200                        | -56.25                | -4.89                     |
| 4                                                   | 591.63         | -56.9 QP                   | -13.0       | -43.9          | 1.95 H                   | 113                        | -56.29                | -0.59                     |
| 5                                                   | 846.74         | -53.0 QP                   | -13.0       | -40.0          | 1.00 H                   | 172                        | -56.16                | 3.19                      |
| 6                                                   | 922.40         | -50.0 QP                   | -13.0       | -37.0          | 1.00 H                   | 86                         | -54.87                | 4.91                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 165.80         | -64.6 QP                   | -13.0       | -51.6          | 1.25 V                   | 162                        | -56.08                | -8.51                     |
| 2                                                   | 387.93         | -60.5 QP                   | -13.0       | -47.5          | 2.83 V                   | 179                        | -55.42                | -5.05                     |
| 3                                                   | 501.42         | -57.7 QP                   | -13.0       | -44.7          | 2.24 V                   | 228                        | -55.12                | -2.60                     |
| 4                                                   | 646.92         | -55.7 QP                   | -13.0       | -42.7          | 2.40 V                   | 209                        | -55.92                | 0.25                      |
| 5                                                   | 860.32         | -51.0 QP                   | -13.0       | -38.0          | 2.31 V                   | 57                         | -54.38                | 3.43                      |
| 6                                                   | 920.46         | -49.5 QP                   | -13.0       | -36.5          | 1.92 V                   | 165                        | -54.38                | 4.85                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

# LTE Band 2 (CBW: 10MHz) +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a

|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 1985.0+740.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 76.58          | 24.9 QP                       | 40.0              | -15.1          | 4.00 H                   | 185                        | 37.09                  | -12.16                         |
| 2                                                   | 160.22         | 27.2 QP                       | 43.5              | -16.3          | 4.00 H                   | 243                        | 35.63                  | -8.47                          |
| 3                                                   | 248.43         | 32.0 QP                       | 46.0              | -14.0          | 3.42 H                   | 177                        | 41.04                  | -9.06                          |
| 4                                                   | 598.89         | 35.3 QP                       | 46.0              | -10.7          | 2.24 H                   | 126                        | 35.83                  | -0.57                          |
| 5                                                   | 680.62         | 38.2 QP                       | 46.0              | -7.8           | 1.43 H                   | 118                        | 37.55                  | 0.67                           |
| 6                                                   | 800.01         | 39.0 QP                       | 46.0              | -7.0           | 1.00 H                   | 134                        | 36.38                  | 2.66                           |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 36.85          | 31.8 QP                       | 40.0              | -8.2           | 1.52 V                   | 186                        | 41.72                  | -9.95                          |
| 2                                                   | 158.26         | 31.8 QP                       | 43.5              | -11.7          | 1.03 V                   | 134                        | 40.22                  | -8.43                          |
| 3                                                   | 258.58         | 31.6 QP                       | 46.0              | -14.5          | 1.00 V                   | 111                        | 39.88                  | -8.33                          |
| 4                                                   | 480.60         | 36.0 QP                       | 46.0              | -10.0          | 1.73 V                   | 162                        | 39.12                  | -3.14                          |
| 5                                                   | 682.09         | 38.5 QP                       | 46.0              | -7.5           | 2.41 V                   | 165                        | 37.82                  | 0.69                           |
| 6                                                   | 800.16         | 38.0 QP                       | 46.0              | -8.0           | 2.32 V                   | 334                        | 35.36                  | 2.67                           |

## 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



|                 |                        |                      |                 |
|-----------------|------------------------|----------------------|-----------------|
| TEST FREQUENCY  | 1985.0+740.0+2412+5785 | DETECTOR<br>FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz           |                      |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                            |             |                |                          |                            |                       |                           |
|-----------------------------------------------------|----------------|----------------------------|-------------|----------------|--------------------------|----------------------------|-----------------------|---------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 158.04         | -65.3 QP                   | -13.0       | -52.3          | 2.56 H                   | 116                        | -56.91                | -8.42                     |
| 2                                                   | 371.44         | -61.3 QP                   | -13.0       | -48.3          | 2.99 H                   | 231                        | -55.82                | -5.43                     |
| 3                                                   | 515.00         | -57.8 QP                   | -13.0       | -44.8          | 2.45 H                   | 203                        | -55.42                | -2.34                     |
| 4                                                   | 651.77         | -54.5 QP                   | -13.0       | -41.5          | 1.48 H                   | 170                        | -54.75                | 0.28                      |
| 5                                                   | 884.57         | -51.0 QP                   | -13.0       | -38.0          | 1.00 H                   | 7                          | -54.63                | 3.62                      |
| 6                                                   | 973.81         | -49.0 QP                   | -13.0       | -36.0          | 1.00 H                   | 155                        | -54.78                | 5.83                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                            |             |                |                          |                            |                       |                           |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBm) | LIMIT (dBm) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBm) | CORRECTION<br>FACTOR (dB) |
| 1                                                   | 160.95         | -66.5 QP                   | -13.0       | -53.5          | 1.12 V                   | 225                        | -58.04                | -8.48                     |
| 2                                                   | 298.69         | -63.5 QP                   | -13.0       | -50.5          | 1.58 V                   | 116                        | -56.62                | -6.88                     |
| 3                                                   | 467.47         | -60.4 QP                   | -13.0       | -47.4          | 2.06 V                   | 339                        | -56.97                | -3.40                     |
| 4                                                   | 621.70         | -56.4 QP                   | -13.0       | -43.4          | 2.37 V                   | 186                        | -56.35                | -0.09                     |
| 5                                                   | 845.77         | -52.5 QP                   | -13.0       | -39.5          | 2.65 V                   | 30                         | -55.68                | 3.18                      |
| 6                                                   | 930.16         | -50.9 QP                   | -13.0       | -37.9          | 2.06 V                   | 222                        | -55.85                | 5.00                      |

**REMARKS:**

1. Emission Level(dBm) = Raw Value(dBm) + Correction Factor(dB)
2. Correction Factor(dB) = Antenna Factor(dB) + Cable 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.   | Cal. Date     | Cal. Due      |
|------------------------------------------------------------------|-------------|--------------|---------------|---------------|
| ROHDE & SCHWARZ<br>TEST RECEIVER                                 | ESCS 30     | 100276       | Apr. 01, 2015 | Mar. 31, 2016 |
| ROHDE & SCHWARZ<br>Artificial Mains Network<br>(for EUT)         | ENV216      | 101197       | Apr. 27, 2015 | Apr. 26, 2016 |
| LISN With Adapter<br>(for EUT)                                   | AD10        | C10Ada-002   | Apr. 27, 2015 | Apr. 26, 2016 |
| ROHDE & SCHWARZ<br>Artificial Mains Network<br>(for peripherals) | ESH3-Z5     | 100218       | Nov. 25, 2014 | Nov. 24, 2015 |
| SCHWARZBECK<br>Artificial Mains Network (For<br>EUT)             | NNLK8129    | 8129229      | May 06, 2015  | May 05, 2016  |
| Software                                                         | Cond_V7.3.7 | NA           | NA            | NA            |
| RF cable (JYEBAO)<br>With 10dB PAD                               | 5D-FB       | Cable-C10.01 | Feb. 17, 2015 | Feb. 16, 2016 |
| SUHNER Terminator<br>(For ROHDE & SCHWARZ<br>LISN)               | 65BNC-5001  | E1-011484    | May 19, 2015  | May 18, 2016  |
| ROHDE & SCHWARZ<br>Artificial Mains Network (For<br>TV EUT)      | ESH3-Z5     | 100220       | Nov. 20, 2014 | Nov. 19, 2015 |
| LISN With Adapter<br>(for TV EUT)                                | 100220      | N/A          | Nov. 20, 2014 | Nov. 19, 2015 |

Notes: 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 Shielded Room No. 10.

3. The VCCI Site Registration No. C-1852.

#### 4.2.3 Test Procedure

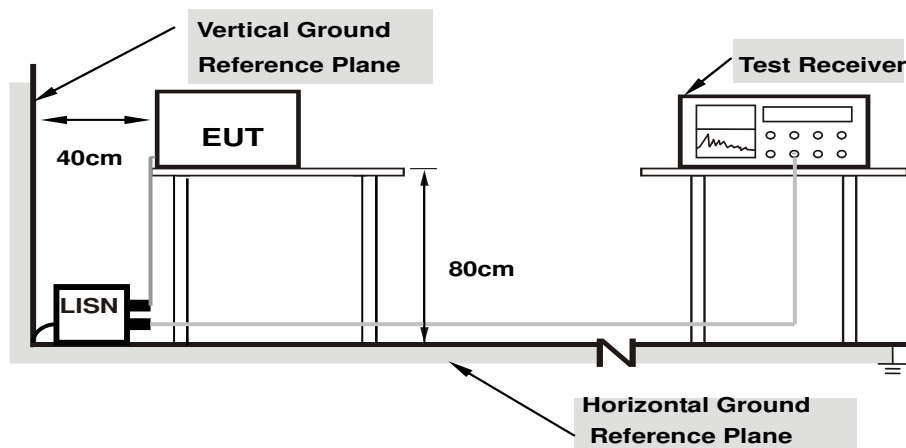
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance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

**2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes**

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

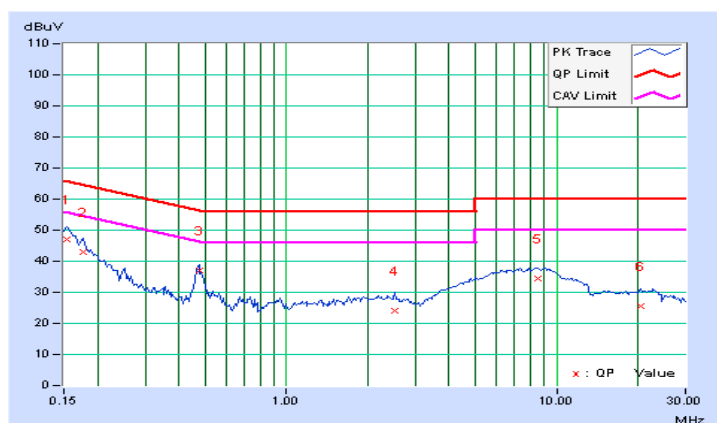
##### WCDMA Band 5 +LTE Band 2 (CBW: 5MHz) +802.11g +802.11a

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

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
|    |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1  | 0.15391         | 9.67                   | 37.31                | 26.31 | 46.98                 | 35.98 | 65.79        | 55.79 | -18.81      | -19.81 |
| 2  | 0.17734         | 9.67                   | 33.46                | 22.23 | 43.13                 | 31.90 | 64.61        | 54.61 | -21.48      | -22.71 |
| 3  | 0.47410         | 9.67                   | 27.54                | 23.70 | 37.21                 | 33.37 | 56.44        | 46.44 | -19.23      | -13.07 |
| 4  | 2.50781         | 9.73                   | 14.50                | 7.78  | 24.23                 | 17.51 | 56.00        | 46.00 | -31.77      | -28.49 |
| 5  | 8.51173         | 9.85                   | 24.52                | 19.27 | 34.37                 | 29.12 | 60.00        | 50.00 | -25.63      | -20.88 |
| 6  | 20.41406        | 9.91                   | 15.63                | 11.23 | 25.54                 | 21.14 | 60.00        | 50.00 | -34.46      | -28.86 |

#### Remarks:

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

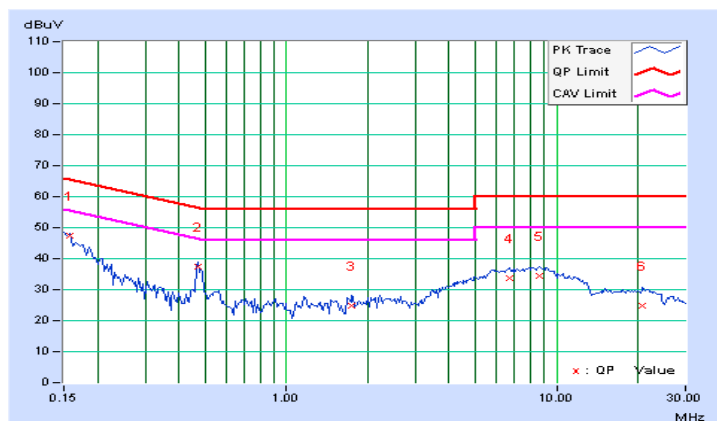


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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         | 9.70                   | 37.76                | 26.23 | 47.46                 | 35.93 | 65.58        | 55.58 | -18.12      | -19.65 |
| 2  | 0.47031         | 9.71                   | 27.62                | 25.25 | 37.33                 | 34.96 | 56.51        | 46.51 | -19.18      | -11.55 |
| 3  | 1.75000         | 9.74                   | 15.11                | 8.94  | 24.85                 | 18.68 | 56.00        | 46.00 | -31.15      | -27.32 |
| 4  | 6.69141         | 9.85                   | 24.01                | 18.35 | 33.86                 | 28.20 | 60.00        | 50.00 | -26.14      | -21.80 |
| 5  | 8.63281         | 9.89                   | 24.49                | 19.39 | 34.38                 | 29.28 | 60.00        | 50.00 | -25.62      | -20.72 |
| 6  | 20.85547        | 10.00                  | 14.89                | 10.20 | 24.89                 | 20.20 | 60.00        | 50.00 | -35.11      | -29.80 |

#### 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



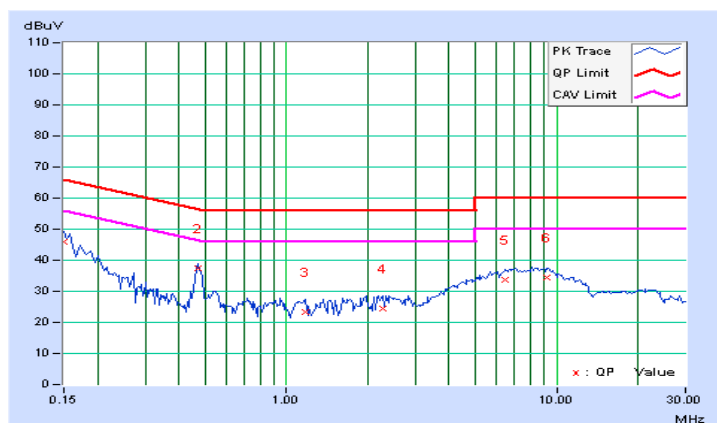
# WCDMA Band 5 +LTE Band 2 (CBW: 10MHz) +802.11g +802.11a

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

| 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  | 0.15001         | 9.67                   | 36.21                | 24.14 | 45.88                 | 33.81 | 66.00        | 56.00 | -20.12      | -22.19 |
| 2  | 0.47031         | 9.67                   | 27.82                | 25.45 | 37.49                 | 35.12 | 56.51        | 46.51 | -19.01      | -11.38 |
| 3  | 1.16797         | 9.70                   | 13.77                | 5.62  | 23.47                 | 15.32 | 56.00        | 46.00 | -32.53      | -30.68 |
| 4  | 2.28906         | 9.73                   | 14.61                | 7.91  | 24.34                 | 17.64 | 56.00        | 46.00 | -31.66      | -28.36 |
| 5  | 6.46094         | 9.81                   | 23.95                | 18.31 | 33.76                 | 28.12 | 60.00        | 50.00 | -26.24      | -21.88 |
| 6  | 9.26172         | 9.86                   | 24.40                | 19.38 | 34.26                 | 29.24 | 60.00        | 50.00 | -25.74      | -20.76 |

## 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

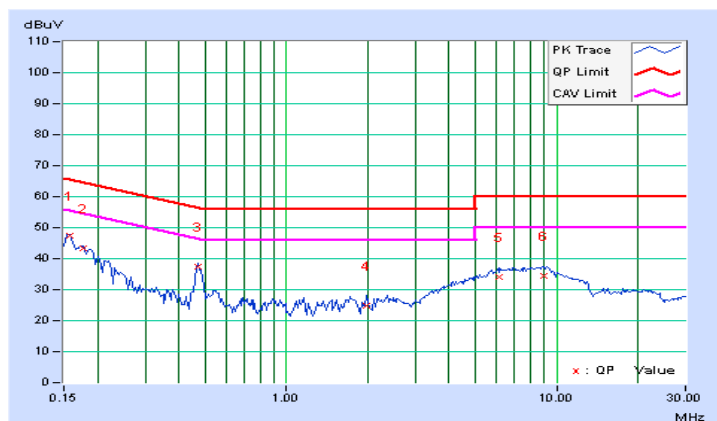


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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         | 9.70                   | 37.66                | 26.15 | 47.36                 | 35.85 | 65.58        | 55.58 | -18.22      | -19.73 |
| 2  | 0.17734         | 9.71                   | 33.59                | 22.20 | 43.30                 | 31.91 | 64.61        | 54.61 | -21.31      | -22.70 |
| 3  | 0.47031         | 9.71                   | 27.72                | 25.35 | 37.43                 | 35.06 | 56.51        | 46.51 | -19.08      | -11.45 |
| 4  | 1.98438         | 9.75                   | 15.13                | 7.43  | 24.88                 | 17.18 | 56.00        | 46.00 | -31.12      | -28.82 |
| 5  | 6.10547         | 9.85                   | 24.20                | 17.91 | 34.05                 | 27.76 | 60.00        | 50.00 | -25.95      | -22.24 |
| 6  | 8.98438         | 9.89                   | 24.55                | 19.19 | 34.44                 | 29.08 | 60.00        | 50.00 | -25.56      | -20.92 |

#### 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





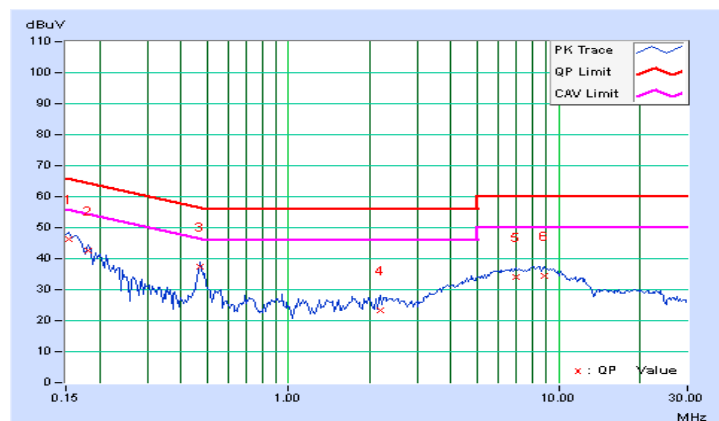


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
|    |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1  | 0.15391         | 9.70                   | 36.70                | 25.97 | 46.40                 | 35.67 | 65.79        | 55.79 | -19.39      | -20.12 |
| 2  | 0.18125         | 9.71                   | 32.74                | 20.14 | 42.45                 | 29.85 | 64.43        | 54.43 | -21.98      | -24.58 |
| 3  | 0.47031         | 9.71                   | 27.86                | 25.51 | 37.57                 | 35.22 | 56.51        | 46.51 | -18.94      | -11.29 |
| 4  | 2.19141         | 9.76                   | 13.40                | 7.23  | 23.16                 | 16.99 | 56.00        | 46.00 | -32.84      | -29.01 |
| 5  | 6.92969         | 9.86                   | 24.05                | 18.51 | 33.91                 | 28.37 | 60.00        | 50.00 | -26.09      | -21.63 |
| 6  | 8.83203         | 9.89                   | 24.47                | 19.33 | 34.36                 | 29.22 | 60.00        | 50.00 | -25.64      | -20.78 |

#### 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



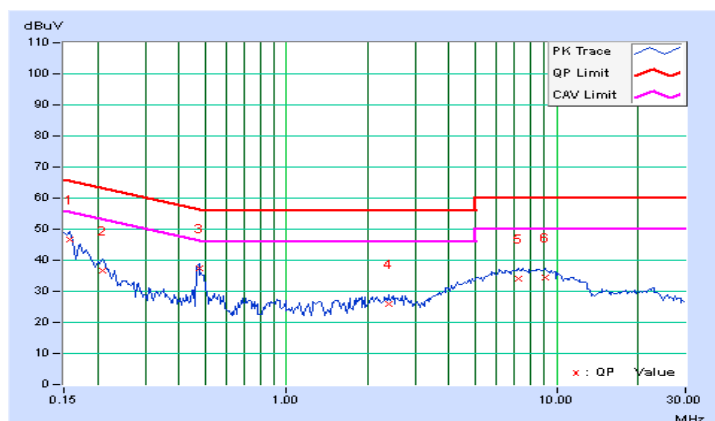
# WCDMA Band 5 +LTE Band 2 (CBW: 20MHz) +802.11g +802.11a

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

| 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         | 9.67                   | 37.09                | 25.75 | 46.76                 | 35.42 | 65.58        | 55.58 | -18.82      | -20.16 |
| 2  | 0.20859         | 9.67                   | 27.01                | 15.96 | 36.68                 | 25.63 | 63.26        | 53.26 | -26.58      | -27.63 |
| 3  | 0.47422         | 9.67                   | 27.76                | 23.85 | 37.43                 | 33.52 | 56.44        | 46.44 | -19.01      | -12.92 |
| 4  | 2.38281         | 9.73                   | 16.11                | 9.20  | 25.84                 | 18.93 | 56.00        | 46.00 | -30.16      | -27.07 |
| 5  | 7.25391         | 9.82                   | 24.32                | 19.05 | 34.14                 | 28.87 | 60.00        | 50.00 | -25.86      | -21.13 |
| 6  | 9.07031         | 9.85                   | 24.57                | 19.35 | 34.42                 | 29.20 | 60.00        | 50.00 | -25.58      | -20.80 |

## 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

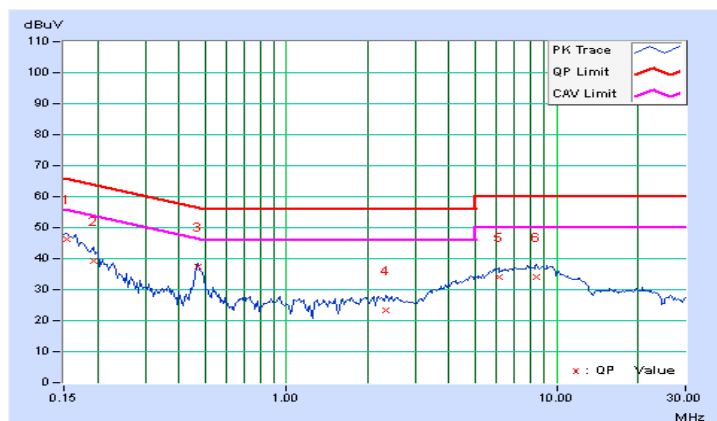


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
|    |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1  | 0.15391         | 9.70                   | 36.78                | 25.99 | 46.48                 | 35.69 | 65.79        | 55.79 | -19.31      | -20.10 |
| 2  | 0.19297         | 9.71                   | 29.57                | 18.31 | 39.28                 | 28.02 | 63.91        | 53.91 | -24.63      | -25.89 |
| 3  | 0.47031         | 9.71                   | 27.86                | 25.57 | 37.57                 | 35.28 | 56.51        | 46.51 | -18.94      | -11.23 |
| 4  | 2.34375         | 9.76                   | 13.61                | 5.11  | 23.37                 | 14.87 | 56.00        | 46.00 | -32.63      | -31.13 |
| 5  | 6.10156         | 9.85                   | 24.25                | 18.14 | 34.10                 | 27.99 | 60.00        | 50.00 | -25.90      | -22.01 |
| 6  | 8.46875         | 9.88                   | 24.30                | 19.45 | 34.18                 | 29.33 | 60.00        | 50.00 | -25.82      | -20.67 |

#### 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



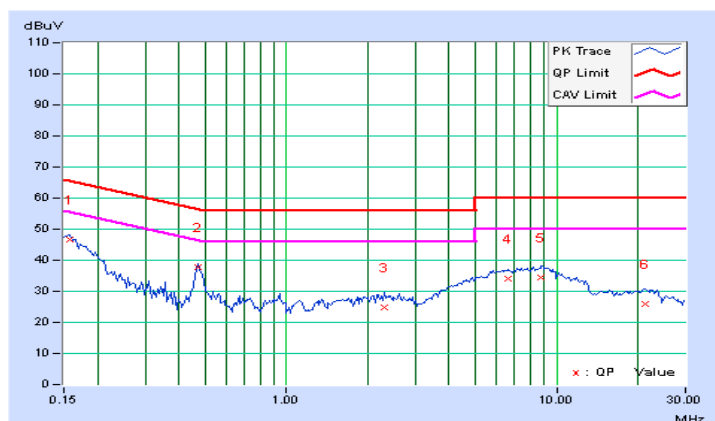
# WCDMA Band 5 +LTE Band 4 (CBW: 5MHz) +802.11g +802.11a

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

| 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         | 9.67                   | 37.07                | 25.60 | 46.74                 | 35.27 | 65.58        | 55.58 | -18.84      | -20.31 |
| 2  | 0.47031         | 9.67                   | 27.94                | 25.67 | 37.61                 | 35.34 | 56.51        | 46.51 | -18.89      | -11.16 |
| 3  | 2.31641         | 9.73                   | 14.97                | 7.48  | 24.70                 | 17.21 | 56.00        | 46.00 | -31.30      | -28.79 |
| 4  | 6.64063         | 9.81                   | 24.15                | 18.10 | 33.96                 | 27.91 | 60.00        | 50.00 | -26.04      | -22.09 |
| 5  | 8.78906         | 9.85                   | 24.65                | 19.43 | 34.50                 | 29.28 | 60.00        | 50.00 | -25.50      | -20.72 |
| 6  | 21.37891        | 9.92                   | 16.02                | 11.58 | 25.94                 | 21.50 | 60.00        | 50.00 | -34.06      | -28.50 |

## 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

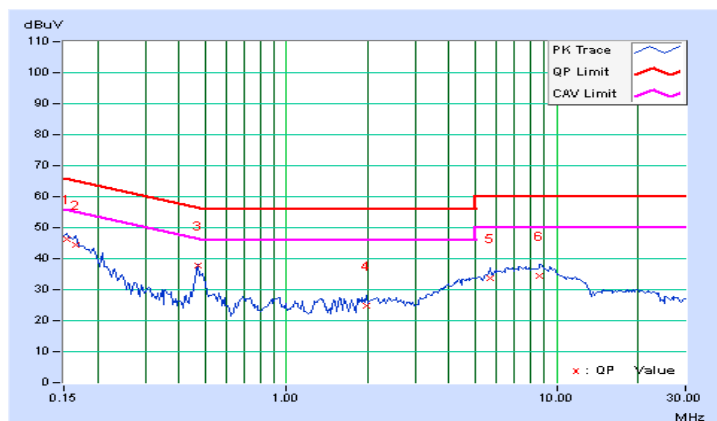


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
|    |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1  | 0.15391         | 9.70                   | 36.44                | 25.81 | 46.14                 | 35.51 | 65.79        | 55.79 | -19.65      | -20.28 |
| 2  | 0.16562         | 9.70                   | 34.60                | 20.87 | 44.30                 | 30.57 | 65.18        | 55.18 | -20.87      | -24.60 |
| 3  | 0.47031         | 9.71                   | 27.94                | 25.65 | 37.65                 | 35.36 | 56.51        | 46.51 | -18.86      | -11.15 |
| 4  | 1.96875         | 9.75                   | 14.95                | 6.47  | 24.70                 | 16.22 | 56.00        | 46.00 | -31.30      | -29.78 |
| 5  | 5.67188         | 9.84                   | 23.95                | 17.90 | 33.79                 | 27.74 | 60.00        | 50.00 | -26.21      | -22.26 |
| 6  | 8.66406         | 9.89                   | 24.45                | 19.31 | 34.34                 | 29.20 | 60.00        | 50.00 | -25.66      | -20.80 |

#### 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



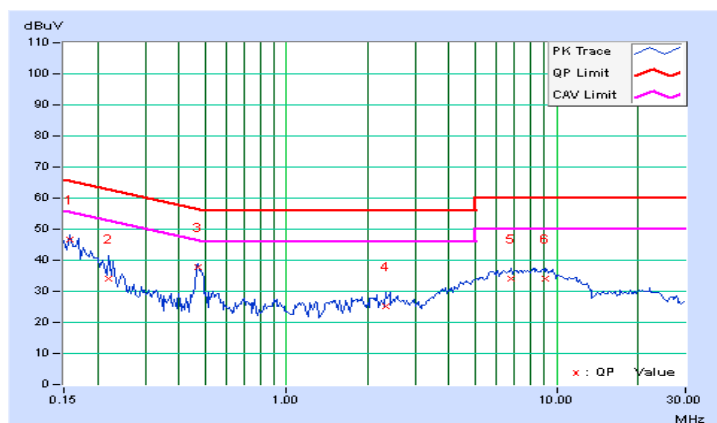
# WCDMA Band 5 +LTE Band 4 (CBW: 10MHz) +802.11g +802.11a

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

| 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         | 9.67                   | 36.89                | 25.56 | 46.56                 | 35.23 | 65.58        | 55.58 | -19.02      | -20.35 |
| 2  | 0.22031         | 9.67                   | 24.53                | 14.28 | 34.20                 | 23.95 | 62.81        | 52.81 | -28.61      | -28.86 |
| 3  | 0.47031         | 9.67                   | 28.10                | 25.89 | 37.77                 | 35.56 | 56.51        | 46.51 | -18.73      | -10.94 |
| 4  | 2.32422         | 9.73                   | 15.57                | 8.19  | 25.30                 | 17.92 | 56.00        | 46.00 | -30.70      | -28.08 |
| 5  | 6.76172         | 9.82                   | 24.15                | 18.45 | 33.97                 | 28.27 | 60.00        | 50.00 | -26.03      | -21.73 |
| 6  | 9.10938         | 9.86                   | 24.33                | 19.30 | 34.19                 | 29.16 | 60.00        | 50.00 | -25.81      | -20.84 |

## 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

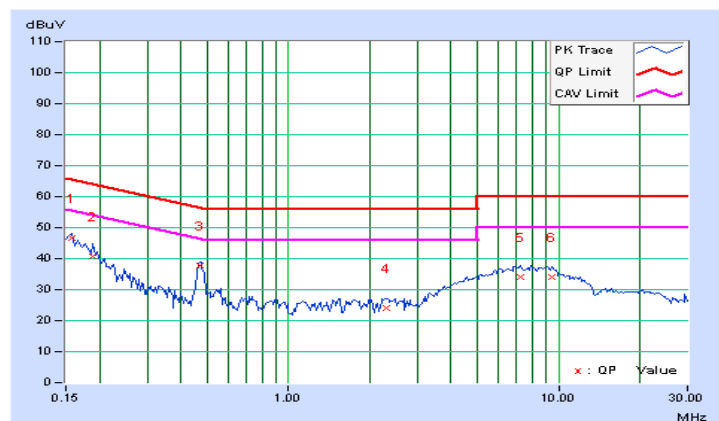


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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         | 9.70                   | 36.95                | 25.56 | 46.65                 | 35.26 | 65.58        | 55.58 | -18.93      | -20.32 |
| 2  | 0.18906         | 9.71                   | 30.86                | 17.95 | 40.57                 | 27.66 | 64.08        | 54.08 | -23.51      | -26.42 |
| 3  | 0.47294         | 9.71                   | 28.08                | 24.86 | 37.79                 | 34.57 | 56.46        | 46.46 | -18.67      | -11.89 |
| 4  | 2.30078         | 9.76                   | 14.14                | 7.46  | 23.90                 | 17.22 | 56.00        | 46.00 | -32.10      | -28.78 |
| 5  | 7.21094         | 9.86                   | 24.37                | 18.97 | 34.23                 | 28.83 | 60.00        | 50.00 | -25.77      | -21.17 |
| 6  | 9.39844         | 9.90                   | 24.18                | 19.01 | 34.08                 | 28.91 | 60.00        | 50.00 | -25.92      | -21.09 |

#### 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



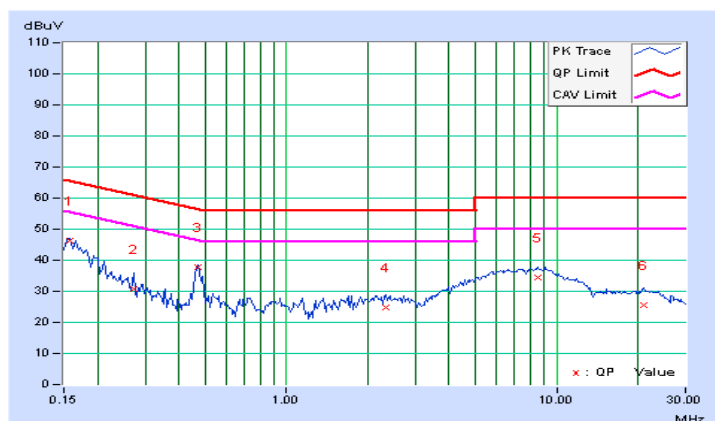
# WCDMA Band 5 +LTE Band 4 (CBW: 15MHz) +802.11g +802.11a

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

| 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         | 9.67                   | 36.78                | 25.42 | 46.45                 | 35.09 | 65.58        | 55.58 | -19.13      | -20.49 |
| 2  | 0.27109         | 9.67                   | 21.25                | 11.30 | 30.92                 | 20.97 | 61.08        | 51.08 | -30.16      | -30.11 |
| 3  | 0.47031         | 9.67                   | 28.09                | 25.78 | 37.76                 | 35.45 | 56.51        | 46.51 | -18.74      | -11.05 |
| 4  | 2.33594         | 9.73                   | 15.12                | 8.44  | 24.85                 | 18.17 | 56.00        | 46.00 | -31.15      | -27.83 |
| 5  | 8.54688         | 9.85                   | 24.75                | 19.43 | 34.60                 | 29.28 | 60.00        | 50.00 | -25.40      | -20.72 |
| 6  | 20.89063        | 9.92                   | 15.75                | 11.35 | 25.67                 | 21.27 | 60.00        | 50.00 | -34.33      | -28.73 |

## 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



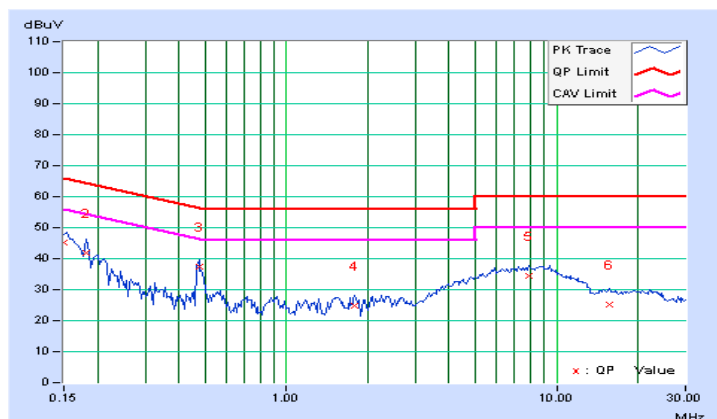


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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  | 0.15001         | 9.70                   | 35.61                | 23.61 | 45.31                 | 33.31 | 66.00        | 56.00 | -20.69      | -22.69 |
| 2  | 0.18125         | 9.71                   | 32.01                | 19.39 | 41.72                 | 29.10 | 64.43        | 54.43 | -22.71      | -25.33 |
| 3  | 0.47422         | 9.71                   | 27.71                | 23.70 | 37.42                 | 33.41 | 56.44        | 46.44 | -19.02      | -13.03 |
| 4  | 1.79688         | 9.75                   | 15.01                | 8.59  | 24.76                 | 18.34 | 56.00        | 46.00 | -31.24      | -27.66 |
| 5  | 7.87891         | 9.87                   | 24.69                | 19.21 | 34.56                 | 29.08 | 60.00        | 50.00 | -25.44      | -20.92 |
| 6  | 15.67578        | 9.97                   | 15.26                | 10.82 | 25.23                 | 20.79 | 60.00        | 50.00 | -34.77      | -29.21 |

#### 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



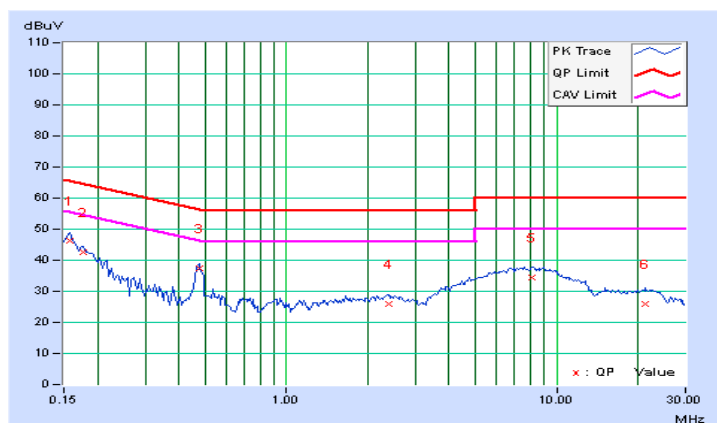
# WCDMA Band 5 +LTE Band 4 (CBW: 20MHz) +802.11g +802.11a

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

| 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         | 9.67                   | 36.66                | 25.22 | 46.33                 | 34.89 | 65.58        | 55.58 | -19.25      | -20.69 |
| 2  | 0.17734         | 9.67                   | 32.76                | 21.37 | 42.43                 | 31.04 | 64.61        | 54.61 | -22.18      | -23.57 |
| 3  | 0.47422         | 9.67                   | 27.62                | 23.52 | 37.29                 | 33.19 | 56.44        | 46.44 | -19.15      | -13.25 |
| 4  | 2.37891         | 9.73                   | 16.34                | 9.26  | 26.07                 | 18.99 | 56.00        | 46.00 | -29.93      | -27.01 |
| 5  | 8.05469         | 9.84                   | 24.73                | 19.27 | 34.57                 | 29.11 | 60.00        | 50.00 | -25.43      | -20.89 |
| 6  | 21.41797        | 9.92                   | 15.94                | 11.52 | 25.86                 | 21.44 | 60.00        | 50.00 | -34.14      | -28.56 |

## 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

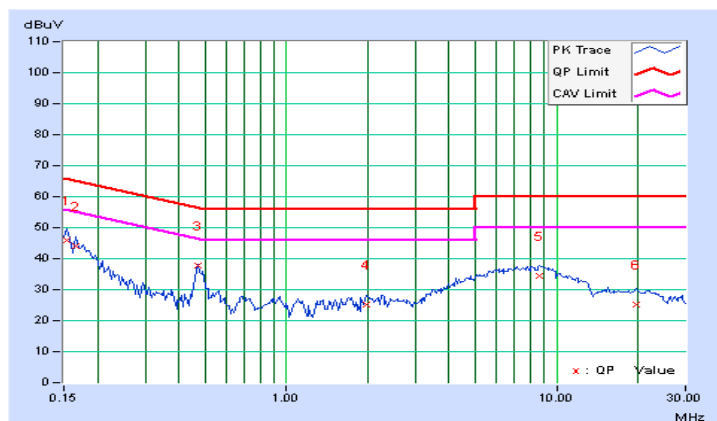


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
|    |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1  | 0.15391         | 9.70                   | 36.24                | 25.52 | 45.94                 | 35.22 | 65.79        | 55.79 | -19.85      | -20.57 |
| 2  | 0.16562         | 9.70                   | 34.48                | 20.65 | 44.18                 | 30.35 | 65.18        | 55.18 | -20.99      | -24.82 |
| 3  | 0.47031         | 9.71                   | 28.02                | 25.78 | 37.73                 | 35.49 | 56.51        | 46.51 | -18.78      | -11.02 |
| 4  | 1.98047         | 9.75                   | 15.39                | 7.66  | 25.14                 | 17.41 | 56.00        | 46.00 | -30.86      | -28.59 |
| 5  | 8.64844         | 9.89                   | 24.61                | 19.39 | 34.50                 | 29.28 | 60.00        | 50.00 | -25.50      | -20.72 |
| 6  | 19.75781        | 10.00                  | 15.02                | 10.50 | 25.02                 | 20.50 | 60.00        | 50.00 | -34.98      | -29.50 |

#### 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



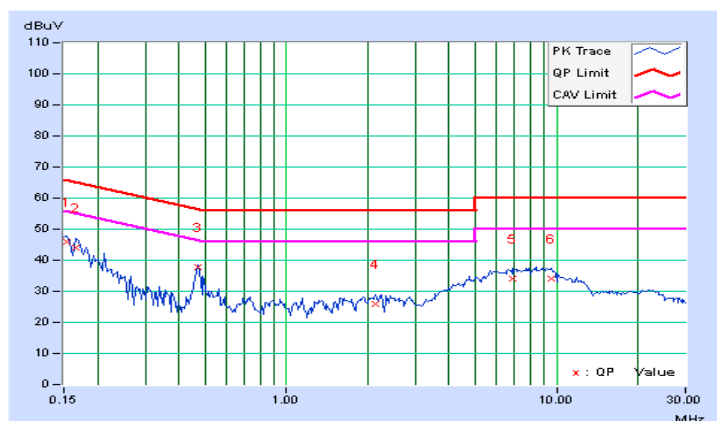
# WCDMA Band 5 +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a

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

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
|    |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1  | 0.15391         | 9.67                   | 36.24                | 25.40 | 45.91                 | 35.07 | 65.79        | 55.79 | -19.88      | -20.72 |
| 2  | 0.16562         | 9.67                   | 34.44                | 20.55 | 44.11                 | 30.22 | 65.18        | 55.18 | -21.07      | -24.96 |
| 3  | 0.47031         | 9.67                   | 28.13                | 25.90 | 37.80                 | 35.57 | 56.51        | 46.51 | -18.70      | -10.93 |
| 4  | 2.14844         | 9.72                   | 16.25                | 10.00 | 25.97                 | 19.72 | 56.00        | 46.00 | -30.03      | -26.28 |
| 5  | 6.89063         | 9.82                   | 24.18                | 18.46 | 34.00                 | 28.28 | 60.00        | 50.00 | -26.00      | -21.72 |
| 6  | 9.51563         | 9.86                   | 24.18                | 19.01 | 34.04                 | 28.87 | 60.00        | 50.00 | -25.96      | -21.13 |

## 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

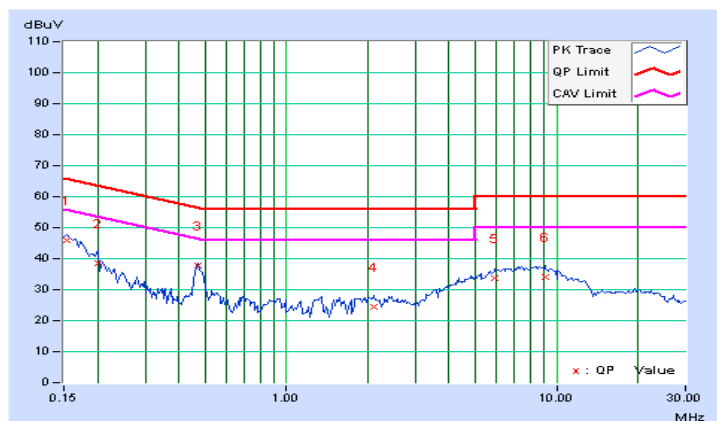


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
|    |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1  | 0.15391         | 9.70                   | 36.32                | 25.32 | 46.02                 | 35.02 | 65.79        | 55.79 | -19.77      | -20.77 |
| 2  | 0.20078         | 9.71                   | 28.84                | 15.56 | 38.55                 | 25.27 | 63.58        | 53.58 | -25.03      | -28.31 |
| 3  | 0.47031         | 9.71                   | 28.06                | 25.80 | 37.77                 | 35.51 | 56.51        | 46.51 | -18.74      | -11.00 |
| 4  | 2.12109         | 9.75                   | 14.87                | 7.79  | 24.62                 | 17.54 | 56.00        | 46.00 | -31.38      | -28.46 |
| 5  | 5.91016         | 9.84                   | 23.81                | 17.82 | 33.65                 | 27.66 | 60.00        | 50.00 | -26.35      | -22.34 |
| 6  | 9.05078         | 9.89                   | 24.28                | 19.19 | 34.17                 | 29.08 | 60.00        | 50.00 | -25.83      | -20.92 |

#### 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



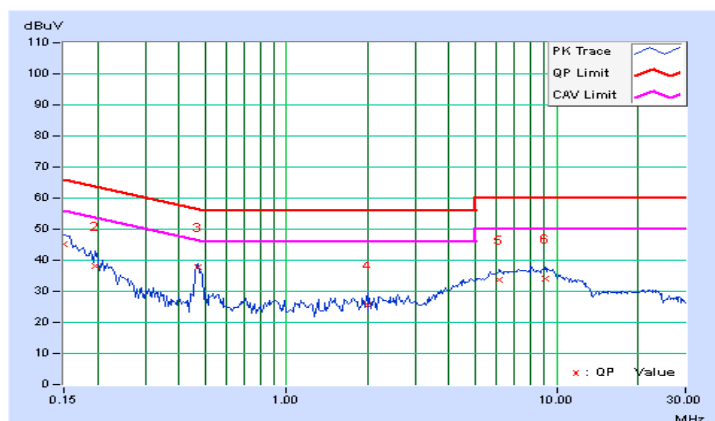
# WCDMA Band 5 +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a

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

| 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  | 0.15001         | 9.67                   | 35.67                | 23.45 | 45.34                 | 33.12 | 66.00        | 56.00 | -20.66      | -22.88 |
| 2  | 0.19687         | 9.67                   | 28.57                | 17.32 | 38.24                 | 26.99 | 63.74        | 53.74 | -25.50      | -26.75 |
| 3  | 0.47031         | 9.67                   | 28.16                | 25.97 | 37.83                 | 35.64 | 56.51        | 46.51 | -18.67      | -10.86 |
| 4  | 2.00781         | 9.72                   | 15.67                | 8.80  | 25.39                 | 18.52 | 56.00        | 46.00 | -30.61      | -27.48 |
| 5  | 6.12891         | 9.81                   | 23.90                | 17.79 | 33.71                 | 27.60 | 60.00        | 50.00 | -26.29      | -22.40 |
| 6  | 9.08203         | 9.85                   | 24.30                | 19.31 | 34.15                 | 29.16 | 60.00        | 50.00 | -25.85      | -20.84 |

## 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

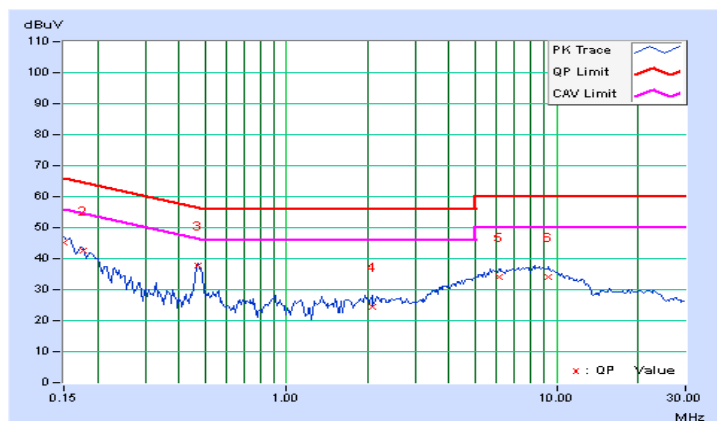


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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  | 0.15001         | 9.70                   | 35.63                | 23.49 | 45.33                 | 33.19 | 66.00        | 56.00 | -20.67      | -22.81 |
| 2  | 0.17734         | 9.71                   | 32.80                | 21.02 | 42.51                 | 30.73 | 64.61        | 54.61 | -22.10      | -23.88 |
| 3  | 0.47031         | 9.71                   | 28.04                | 25.78 | 37.75                 | 35.49 | 56.51        | 46.51 | -18.76      | -11.02 |
| 4  | 2.08594         | 9.75                   | 14.55                | 7.58  | 24.30                 | 17.33 | 56.00        | 46.00 | -31.70      | -28.67 |
| 5  | 6.09375         | 9.84                   | 24.31                | 17.90 | 34.15                 | 27.74 | 60.00        | 50.00 | -25.85      | -22.26 |
| 6  | 9.36719         | 9.90                   | 24.26                | 19.09 | 34.16                 | 28.99 | 60.00        | 50.00 | -25.84      | -21.01 |

#### 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



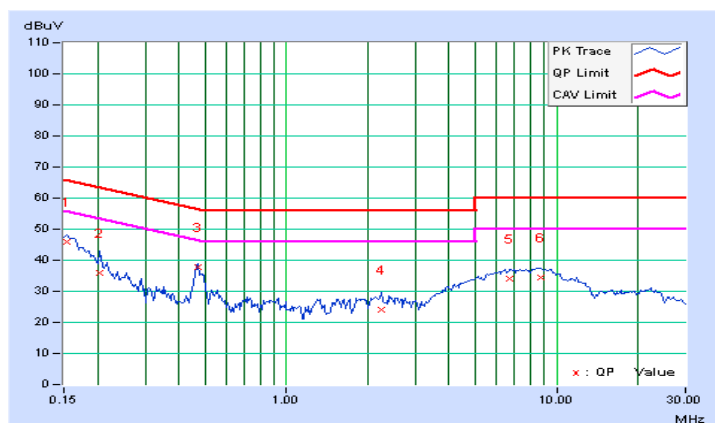
# WCDMA Band 2 +LTE Band 4 (CBW: 5MHz) +802.11g +802.11a

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

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
|    |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1  | 0.15391         | 9.67                   | 36.26                | 25.14 | 45.93                 | 34.81 | 65.79        | 55.79 | -19.86      | -20.98 |
| 2  | 0.20469         | 9.67                   | 26.14                | 15.07 | 35.81                 | 24.74 | 63.42        | 53.42 | -27.61      | -28.68 |
| 3  | 0.47031         | 9.67                   | 28.18                | 25.93 | 37.85                 | 35.60 | 56.51        | 46.51 | -18.65      | -10.90 |
| 4  | 2.25391         | 9.73                   | 14.33                | 7.59  | 24.06                 | 17.32 | 56.00        | 46.00 | -31.94      | -28.68 |
| 5  | 6.73047         | 9.82                   | 24.22                | 18.40 | 34.04                 | 28.22 | 60.00        | 50.00 | -25.96      | -21.78 |
| 6  | 8.77344         | 9.85                   | 24.53                | 19.43 | 34.38                 | 29.28 | 60.00        | 50.00 | -25.62      | -20.72 |

## 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



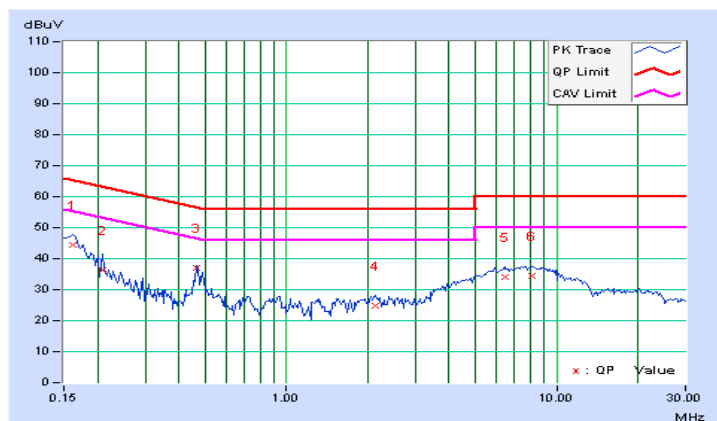


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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         | 9.70                   | 34.70                | 23.25 | 44.40                 | 32.95 | 65.38        | 55.38 | -20.97      | -22.42 |
| 2  | 0.20859         | 9.71                   | 26.56                | 15.34 | 36.27                 | 25.05 | 63.26        | 53.26 | -26.99      | -28.21 |
| 3  | 0.46641         | 9.71                   | 27.33                | 24.65 | 37.04                 | 34.36 | 56.58        | 46.58 | -19.54      | -12.22 |
| 4  | 2.14844         | 9.75                   | 14.98                | 8.56  | 24.73                 | 18.31 | 56.00        | 46.00 | -31.27      | -27.69 |
| 5  | 6.43750         | 9.85                   | 24.06                | 18.26 | 33.91                 | 28.11 | 60.00        | 50.00 | -26.09      | -21.89 |
| 6  | 8.11719         | 9.88                   | 24.47                | 18.95 | 34.35                 | 28.83 | 60.00        | 50.00 | -25.65      | -21.17 |

#### 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



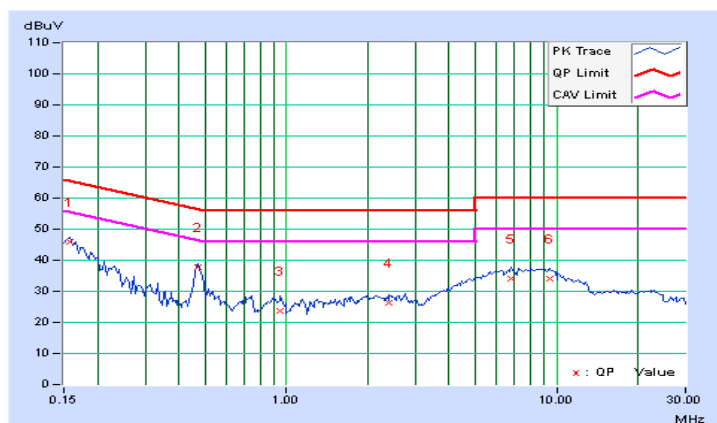
# WCDMA Band 2 +LTE Band 4 (CBW: 10MHz) +802.11g +802.11a

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

| 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         | 9.67                   | 36.34                | 24.87 | 46.01                 | 34.54 | 65.58        | 55.58 | -19.57      | -21.04 |
| 2  | 0.47031         | 9.67                   | 28.19                | 25.82 | 37.86                 | 35.49 | 56.51        | 46.51 | -18.64      | -11.01 |
| 3  | 0.94688         | 9.70                   | 14.08                | 5.35  | 23.78                 | 15.05 | 56.00        | 46.00 | -32.22      | -30.95 |
| 4  | 2.40625         | 9.73                   | 16.68                | 9.81  | 26.41                 | 19.54 | 56.00        | 46.00 | -29.59      | -26.46 |
| 5  | 6.78516         | 9.82                   | 24.20                | 18.44 | 34.02                 | 28.26 | 60.00        | 50.00 | -25.98      | -21.74 |
| 6  | 9.39453         | 9.86                   | 24.30                | 19.19 | 34.16                 | 29.05 | 60.00        | 50.00 | -25.84      | -20.95 |

## 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

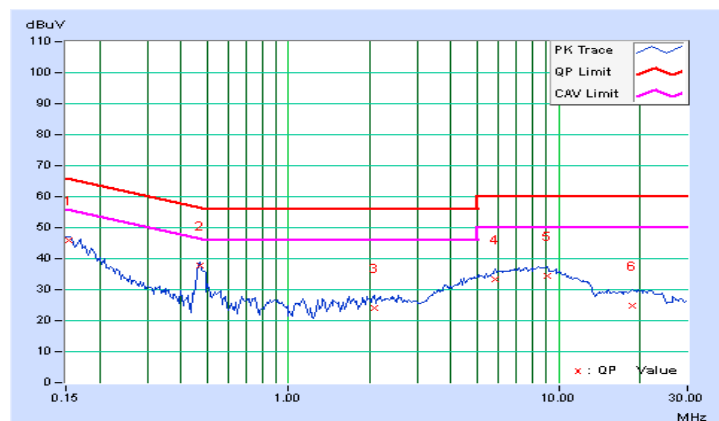


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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  | 0.15390         | 9.70                   | 36.24                | 25.22 | 45.94                 | 34.92 | 65.79        | 55.79 | -19.85      | -20.87 |
| 2  | 0.47031         | 9.71                   | 28.14                | 25.81 | 37.85                 | 35.52 | 56.51        | 46.51 | -18.66      | -10.99 |
| 3  | 2.08984         | 9.75                   | 14.41                | 6.91  | 24.16                 | 16.66 | 56.00        | 46.00 | -31.84      | -29.34 |
| 4  | 5.82422         | 9.84                   | 23.65                | 18.25 | 33.49                 | 28.09 | 60.00        | 50.00 | -26.51      | -21.91 |
| 5  | 9.05859         | 9.89                   | 24.53                | 19.19 | 34.42                 | 29.08 | 60.00        | 50.00 | -25.58      | -20.92 |
| 6  | 18.83594        | 9.99                   | 15.01                | 10.69 | 25.00                 | 20.68 | 60.00        | 50.00 | -35.00      | -29.32 |

#### 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



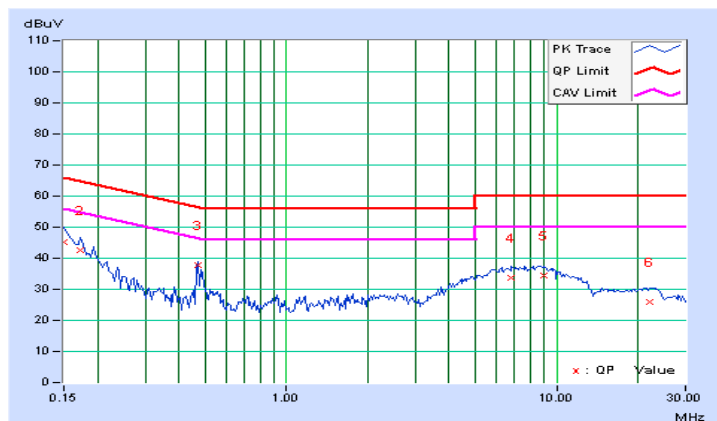
# WCDMA Band 2 +LTE Band 4 (CBW: 15MHz) +802.11g +802.11a

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

| 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  | 0.15001         | 9.67                   | 35.51                | 23.19 | 45.18                 | 32.86 | 66.00        | 56.00 | -20.82      | -23.14 |
| 2  | 0.17344         | 9.67                   | 32.76                | 21.51 | 42.43                 | 31.18 | 64.79        | 54.79 | -22.36      | -23.61 |
| 3  | 0.47031         | 9.67                   | 28.15                | 25.88 | 37.82                 | 35.55 | 56.51        | 46.51 | -18.68      | -10.95 |
| 4  | 6.81250         | 9.82                   | 24.01                | 18.54 | 33.83                 | 28.36 | 60.00        | 50.00 | -26.17      | -21.64 |
| 5  | 9.01563         | 9.85                   | 24.43                | 19.31 | 34.28                 | 29.16 | 60.00        | 50.00 | -25.72      | -20.84 |
| 6  | 22.16016        | 9.93                   | 15.96                | 11.52 | 25.89                 | 21.45 | 60.00        | 50.00 | -34.11      | -28.55 |

## 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

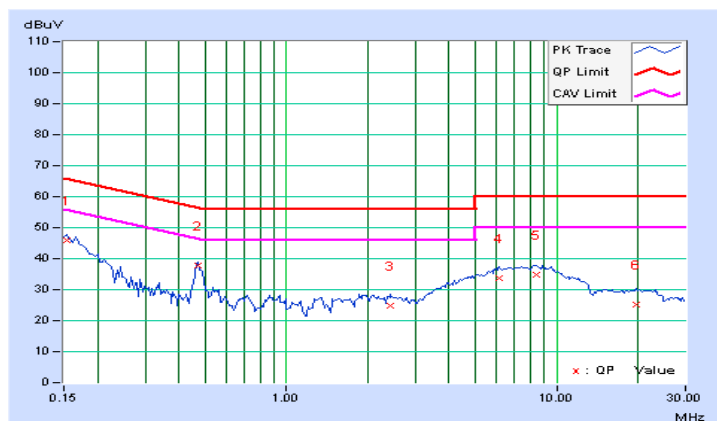


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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  | 0.15408         | 9.70                   | 36.22                | 25.12 | 45.92                 | 34.82 | 65.78        | 55.78 | -19.86      | -20.96 |
| 2  | 0.47031         | 9.71                   | 28.09                | 25.74 | 37.80                 | 35.45 | 56.51        | 46.51 | -18.71      | -11.06 |
| 3  | 2.43359         | 9.76                   | 14.99                | 7.84  | 24.75                 | 17.60 | 56.00        | 46.00 | -31.25      | -28.40 |
| 4  | 6.15234         | 9.85                   | 23.98                | 17.83 | 33.83                 | 27.68 | 60.00        | 50.00 | -26.17      | -22.32 |
| 5  | 8.39453         | 9.88                   | 24.75                | 19.23 | 34.63                 | 29.11 | 60.00        | 50.00 | -25.37      | -20.89 |
| 6  | 19.73047        | 10.00                  | 15.09                | 10.33 | 25.09                 | 20.33 | 60.00        | 50.00 | -34.91      | -29.67 |

#### 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



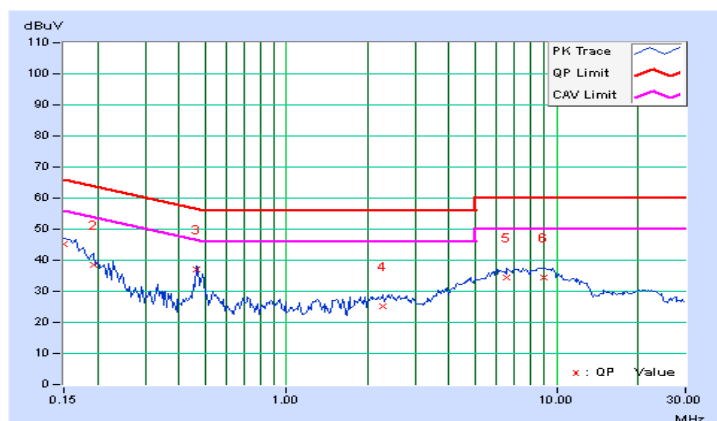
# WCDMA Band 2 +LTE Band 4 (CBW: 20MHz) +802.11g +802.11a

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

| 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  | 0.15004         | 9.67                   | 35.37                | 23.27 | 45.04                 | 32.94 | 66.00        | 56.00 | -20.96      | -23.06 |
| 2  | 0.19297         | 9.67                   | 28.86                | 17.95 | 38.53                 | 27.62 | 63.91        | 53.91 | -25.38      | -26.29 |
| 3  | 0.46641         | 9.67                   | 27.39                | 24.91 | 37.06                 | 34.58 | 56.58        | 46.58 | -19.51      | -11.99 |
| 4  | 2.28516         | 9.73                   | 15.59                | 8.54  | 25.32                 | 18.27 | 56.00        | 46.00 | -30.68      | -27.73 |
| 5  | 6.54297         | 9.81                   | 24.51                | 18.42 | 34.32                 | 28.23 | 60.00        | 50.00 | -25.68      | -21.77 |
| 6  | 9.02344         | 9.85                   | 24.49                | 19.35 | 34.34                 | 29.20 | 60.00        | 50.00 | -25.66      | -20.80 |

## 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

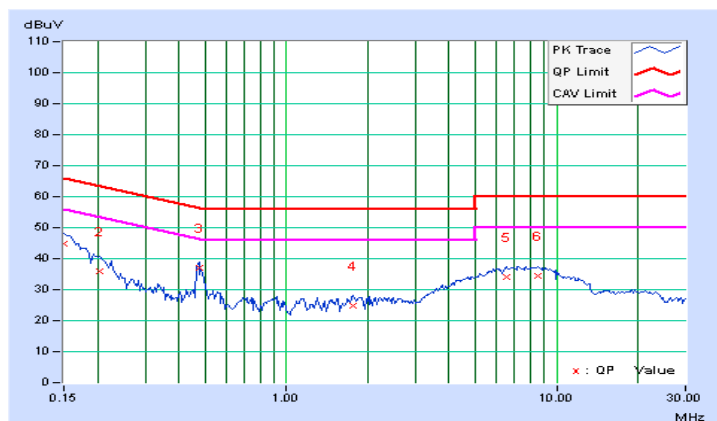


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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  | 0.15003         | 9.70                   | 35.18                | 23.15 | 44.88                 | 32.85 | 66.00        | 56.00 | -21.12      | -23.15 |
| 2  | 0.20469         | 9.71                   | 26.28                | 15.01 | 35.99                 | 24.72 | 63.42        | 53.42 | -27.43      | -28.70 |
| 3  | 0.47422         | 9.71                   | 27.22                | 22.50 | 36.93                 | 32.21 | 56.44        | 46.44 | -19.51      | -14.23 |
| 4  | 1.76563         | 9.75                   | 15.09                | 8.94  | 24.84                 | 18.69 | 56.00        | 46.00 | -31.16      | -27.31 |
| 5  | 6.51953         | 9.85                   | 24.26                | 18.15 | 34.11                 | 28.00 | 60.00        | 50.00 | -25.89      | -22.00 |
| 6  | 8.57031         | 9.89                   | 24.53                | 19.19 | 34.42                 | 29.08 | 60.00        | 50.00 | -25.58      | -20.92 |

#### 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



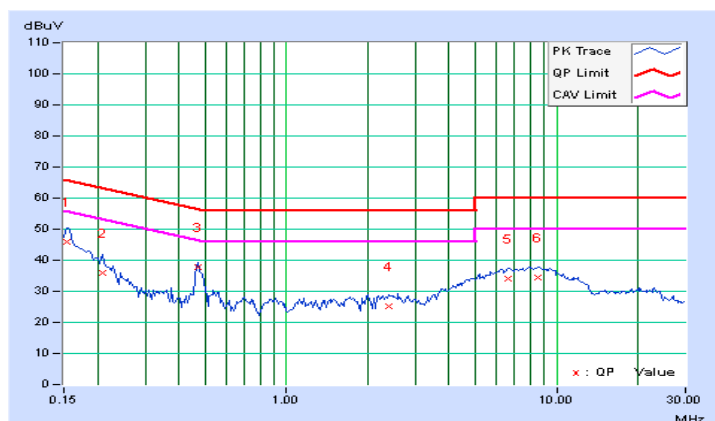
# WCDMA Band 2 +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a

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

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
|    |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1  | 0.15391         | 9.67                   | 36.11                | 25.01 | 45.78                 | 34.68 | 65.79        | 55.79 | -20.01      | -21.11 |
| 2  | 0.20859         | 9.67                   | 26.18                | 15.34 | 35.85                 | 25.01 | 63.26        | 53.26 | -27.41      | -28.25 |
| 3  | 0.47031         | 9.67                   | 28.16                | 25.93 | 37.83                 | 35.60 | 56.51        | 46.51 | -18.67      | -10.90 |
| 4  | 2.39453         | 9.73                   | 15.64                | 8.81  | 25.37                 | 18.54 | 56.00        | 46.00 | -30.63      | -27.46 |
| 5  | 6.63672         | 9.81                   | 24.29                | 18.24 | 34.10                 | 28.05 | 60.00        | 50.00 | -25.90      | -21.95 |
| 6  | 8.57422         | 9.85                   | 24.55                | 19.15 | 34.40                 | 29.00 | 60.00        | 50.00 | -25.60      | -21.00 |

## 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



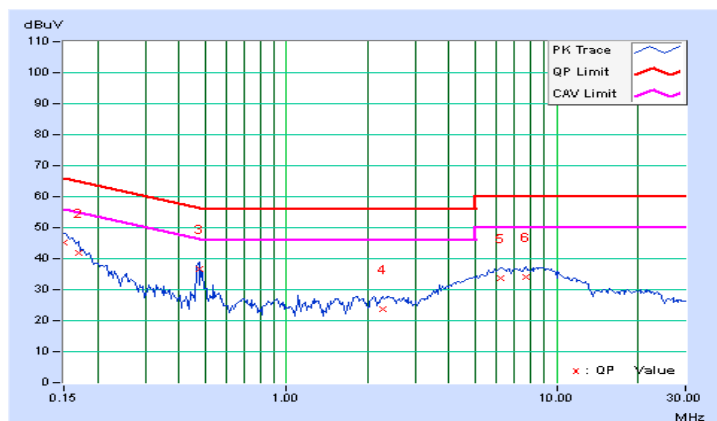


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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  | 0.15001         | 9.70                   | 35.57                | 23.21 | 45.27                 | 32.91 | 66.00        | 56.00 | -20.73      | -23.09 |
| 2  | 0.16953         | 9.70                   | 32.11                | 20.54 | 41.81                 | 30.24 | 64.98        | 54.98 | -23.17      | -24.74 |
| 3  | 0.47422         | 9.71                   | 27.05                | 22.10 | 36.76                 | 31.81 | 56.44        | 46.44 | -19.68      | -14.63 |
| 4  | 2.27344         | 9.76                   | 13.79                | 7.19  | 23.55                 | 16.95 | 56.00        | 46.00 | -32.45      | -29.05 |
| 5  | 6.16797         | 9.85                   | 24.01                | 18.43 | 33.86                 | 28.28 | 60.00        | 50.00 | -26.14      | -21.72 |
| 6  | 7.70313         | 9.87                   | 24.23                | 18.79 | 34.10                 | 28.66 | 60.00        | 50.00 | -25.90      | -21.34 |

#### Remarks:

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



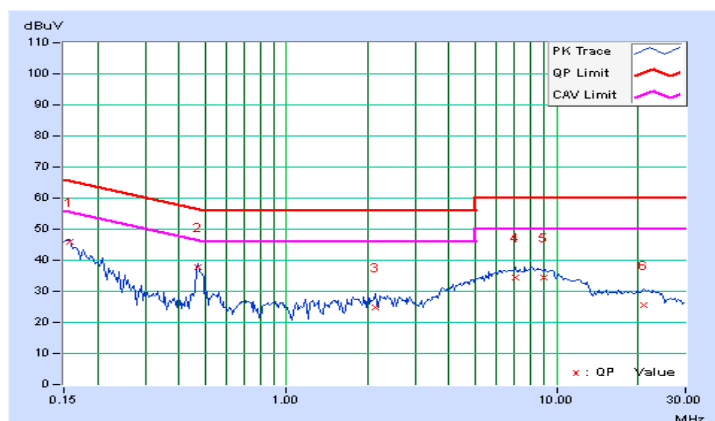
# WCDMA Band 2 +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a

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

| 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  | 0.15780         | 9.67                   | 36.20                | 24.77 | 45.87                 | 34.44 | 65.58        | 55.58 | -19.71      | -21.14 |
| 2  | 0.47031         | 9.67                   | 28.15                | 25.92 | 37.82                 | 35.59 | 56.51        | 46.51 | -18.68      | -10.91 |
| 3  | 2.13672         | 9.72                   | 15.10                | 7.89  | 24.82                 | 17.61 | 56.00        | 46.00 | -31.18      | -28.39 |
| 4  | 7.06250         | 9.82                   | 24.51                | 18.66 | 34.33                 | 28.48 | 60.00        | 50.00 | -25.67      | -21.52 |
| 5  | 9.01563         | 9.85                   | 24.45                | 19.35 | 34.30                 | 29.20 | 60.00        | 50.00 | -25.70      | -20.80 |
| 6  | 21.01172        | 9.92                   | 15.81                | 11.31 | 25.73                 | 21.23 | 60.00        | 50.00 | -34.27      | -28.77 |

## 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

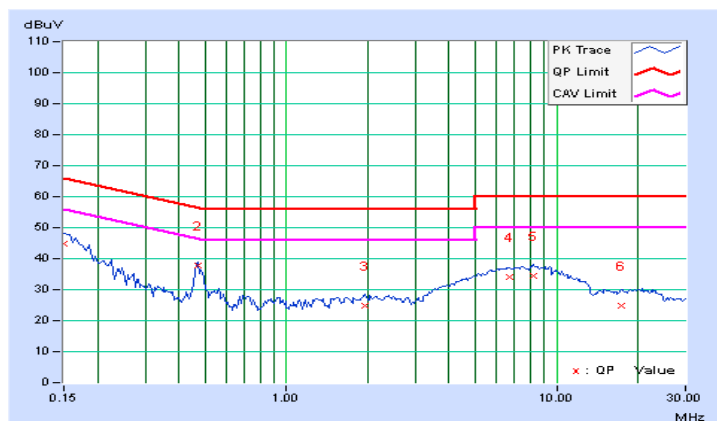


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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  | 0.15002         | 9.70                   | 35.10                | 23.25 | 44.80                 | 32.95 | 66.00        | 56.00 | -21.20      | -23.05 |
| 2  | 0.47031         | 9.71                   | 28.12                | 25.95 | 37.83                 | 35.66 | 56.51        | 46.51 | -18.68      | -10.85 |
| 3  | 1.94531         | 9.75                   | 15.24                | 6.95  | 24.99                 | 16.70 | 56.00        | 46.00 | -31.01      | -29.30 |
| 4  | 6.68750         | 9.85                   | 24.09                | 18.27 | 33.94                 | 28.12 | 60.00        | 50.00 | -26.06      | -21.88 |
| 5  | 8.21094         | 9.88                   | 24.45                | 19.21 | 34.33                 | 29.09 | 60.00        | 50.00 | -25.67      | -20.91 |
| 6  | 17.27344        | 9.98                   | 14.80                | 10.17 | 24.78                 | 20.15 | 60.00        | 50.00 | -35.22      | -29.85 |

#### 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



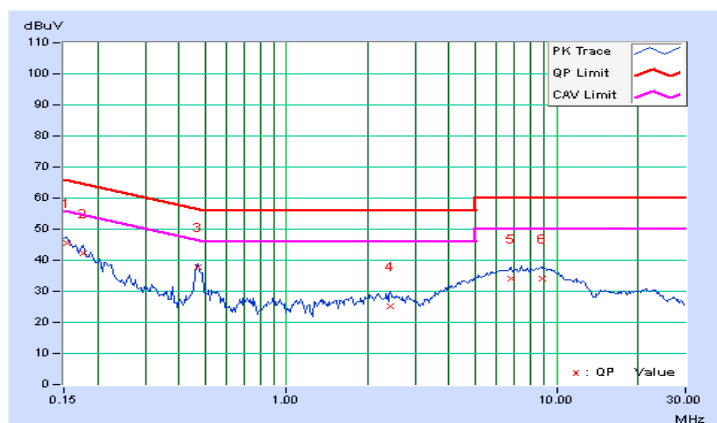
# LTE Band 4 (CBW: 5MHz) +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a

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

| 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  | 0.15390         | 9.67                   | 35.97                | 25.08 | 45.64                 | 34.75 | 65.79        | 55.79 | -20.15      | -21.04 |
| 2  | 0.17734         | 9.67                   | 32.53                | 20.78 | 42.20                 | 30.45 | 64.61        | 54.61 | -22.41      | -24.16 |
| 3  | 0.47031         | 9.67                   | 28.11                | 25.90 | 37.78                 | 35.57 | 56.51        | 46.51 | -18.72      | -10.93 |
| 4  | 2.43750         | 9.73                   | 15.49                | 8.94  | 25.22                 | 18.67 | 56.00        | 46.00 | -30.78      | -27.33 |
| 5  | 6.76172         | 9.82                   | 24.11                | 18.41 | 33.93                 | 28.23 | 60.00        | 50.00 | -26.07      | -21.77 |
| 6  | 8.85938         | 9.85                   | 24.30                | 19.33 | 34.15                 | 29.18 | 60.00        | 50.00 | -25.85      | -20.82 |

## 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

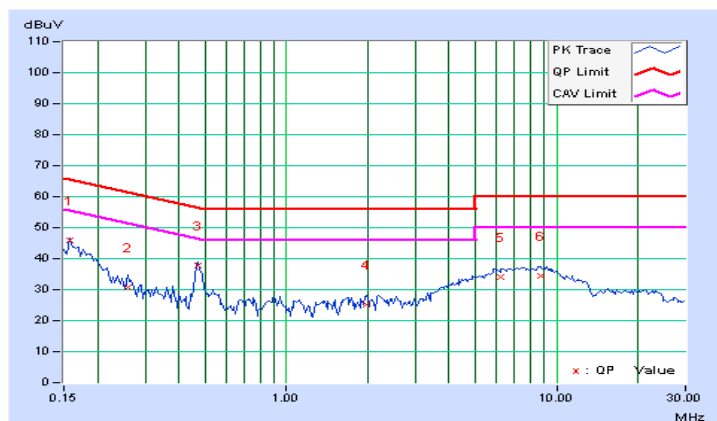


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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         | 9.70                   | 36.24                | 24.81 | 45.94                 | 34.51 | 65.58        | 55.58 | -19.64      | -21.07 |
| 2  | 0.25938         | 9.71                   | 21.04                | 9.15  | 30.75                 | 18.86 | 61.45        | 51.45 | -30.70      | -32.59 |
| 3  | 0.47031         | 9.71                   | 28.06                | 25.84 | 37.77                 | 35.55 | 56.51        | 46.51 | -18.74      | -10.96 |
| 4  | 1.97656         | 9.75                   | 15.37                | 7.51  | 25.12                 | 17.26 | 56.00        | 46.00 | -30.88      | -28.74 |
| 5  | 6.21094         | 9.85                   | 24.08                | 17.91 | 33.93                 | 27.76 | 60.00        | 50.00 | -26.07      | -22.24 |
| 6  | 8.69922         | 9.89                   | 24.53                | 19.35 | 34.42                 | 29.24 | 60.00        | 50.00 | -25.58      | -20.76 |

#### 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



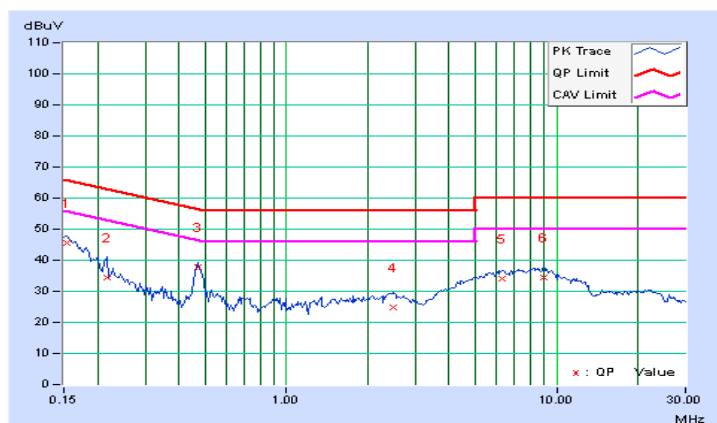
# LTE Band 4 (CBW: 10MHz) +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a

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

| 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  | 0.15388         | 9.67                   | 35.99                | 25.04 | 45.66                 | 34.71 | 65.79        | 55.79 | -20.13      | -21.08 |
| 2  | 0.21641         | 9.67                   | 24.89                | 15.54 | 34.56                 | 25.21 | 62.96        | 52.96 | -28.40      | -27.75 |
| 3  | 0.47031         | 9.67                   | 28.18                | 25.95 | 37.85                 | 35.62 | 56.51        | 46.51 | -18.65      | -10.88 |
| 4  | 2.49219         | 9.73                   | 15.11                | 7.21  | 24.84                 | 16.94 | 56.00        | 46.00 | -31.16      | -29.06 |
| 5  | 6.32422         | 9.81                   | 24.09                | 18.37 | 33.90                 | 28.18 | 60.00        | 50.00 | -26.10      | -21.82 |
| 6  | 8.97656         | 9.85                   | 24.45                | 19.33 | 34.30                 | 29.18 | 60.00        | 50.00 | -25.70      | -20.82 |

## 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

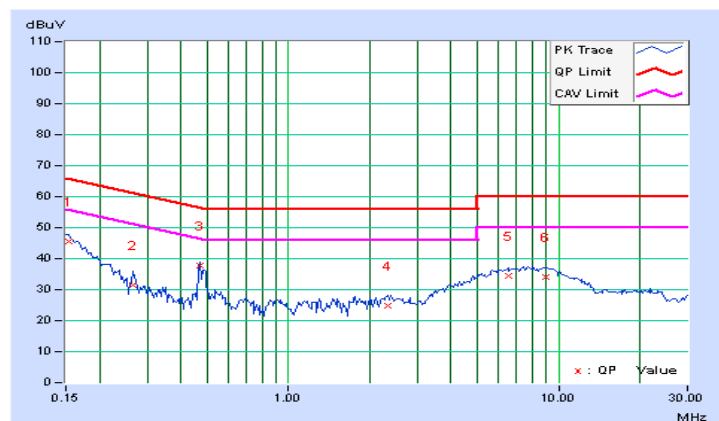


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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  | 0.15395         | 9.70                   | 36.01                | 25.18 | 45.71                 | 34.88 | 65.78        | 55.78 | -20.07      | -20.90 |
| 2  | 0.26719         | 9.71                   | 21.64                | 11.46 | 31.35                 | 21.17 | 61.20        | 51.20 | -29.85      | -30.03 |
| 3  | 0.47031         | 9.71                   | 28.14                | 25.87 | 37.85                 | 35.58 | 56.51        | 46.51 | -18.66      | -10.93 |
| 4  | 2.32031         | 9.76                   | 14.94                | 6.43  | 24.70                 | 16.19 | 56.00        | 46.00 | -31.30      | -29.81 |
| 5  | 6.51563         | 9.85                   | 24.45                | 18.26 | 34.30                 | 28.11 | 60.00        | 50.00 | -25.70      | -21.89 |
| 6  | 9.02734         | 9.89                   | 24.30                | 19.15 | 34.19                 | 29.04 | 60.00        | 50.00 | -25.81      | -20.96 |

#### 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



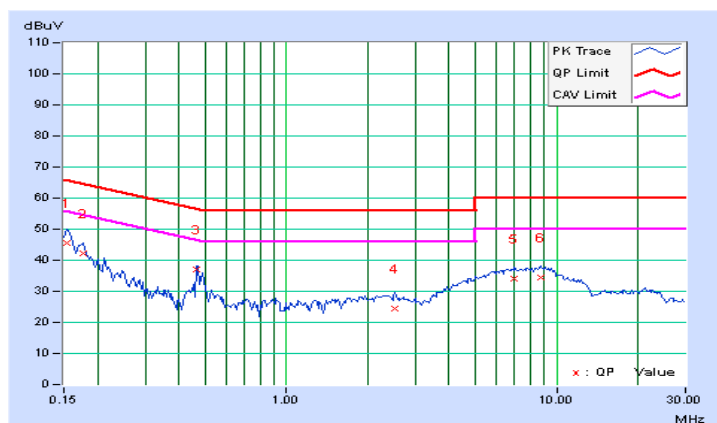
# LTE Band 2 (CBW: 5MHz) +LTE Band 12 (CBW: 5MHz) +802.11g +802.11a

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

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
|    |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1  | 0.15391         | 9.67                   | 35.95                | 25.12 | 45.62                 | 34.79 | 65.79        | 55.79 | -20.17      | -21.00 |
| 2  | 0.17734         | 9.67                   | 32.54                | 20.86 | 42.21                 | 30.53 | 64.61        | 54.61 | -22.40      | -24.08 |
| 3  | 0.46641         | 9.67                   | 27.31                | 24.80 | 36.98                 | 34.47 | 56.58        | 46.58 | -19.59      | -12.10 |
| 4  | 2.53125         | 9.73                   | 14.73                | 7.79  | 24.46                 | 17.52 | 56.00        | 46.00 | -31.54      | -28.48 |
| 5  | 7.00000         | 9.82                   | 24.37                | 18.63 | 34.19                 | 28.45 | 60.00        | 50.00 | -25.81      | -21.55 |
| 6  | 8.74609         | 9.85                   | 24.55                | 19.37 | 34.40                 | 29.22 | 60.00        | 50.00 | -25.60      | -20.78 |

## 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



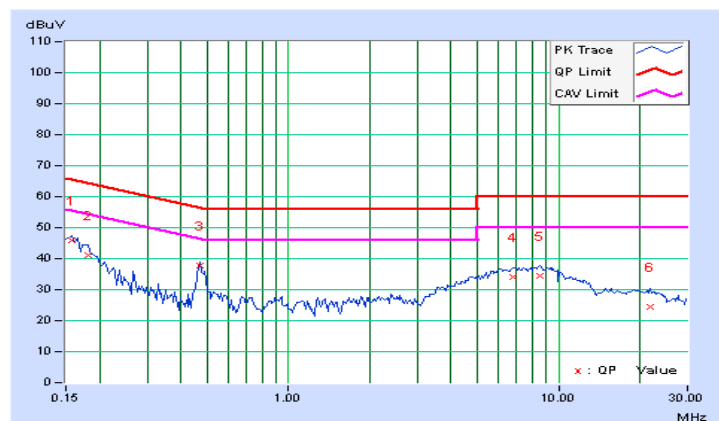


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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         | 9.70                   | 36.24                | 24.89 | 45.94                 | 34.59 | 65.58        | 55.58 | -19.64      | -20.99 |
| 2  | 0.18125         | 9.71                   | 31.32                | 19.03 | 41.03                 | 28.74 | 64.43        | 54.43 | -23.40      | -25.69 |
| 3  | 0.47031         | 9.71                   | 28.12                | 25.93 | 37.83                 | 35.64 | 56.51        | 46.51 | -18.68      | -10.87 |
| 4  | 6.75395         | 9.86                   | 24.26                | 18.48 | 34.12                 | 28.34 | 60.00        | 50.00 | -25.88      | -21.66 |
| 5  | 8.56644         | 9.89                   | 24.49                | 19.11 | 34.38                 | 29.00 | 60.00        | 50.00 | -25.62      | -21.00 |
| 6  | 21.87109        | 10.00                  | 14.58                | 10.11 | 24.58                 | 20.11 | 60.00        | 50.00 | -35.42      | -29.89 |

#### 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



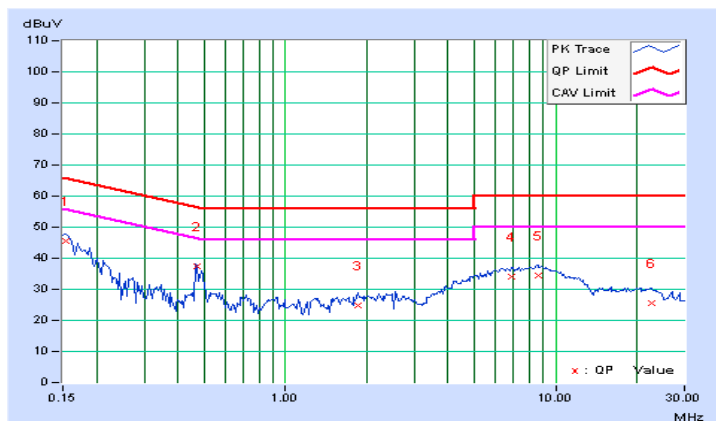
# LTE Band 2 (CBW: 10MHz) +LTE Band 12 (CBW: 10MHz) +802.11g +802.11a

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

| 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  | 0.15402         | 9.67                   | 36.01                | 25.06 | 45.68                 | 34.73 | 65.78        | 55.78 | -20.10      | -21.05 |
| 2  | 0.46896         | 9.67                   | 27.88                | 25.98 | 37.55                 | 35.65 | 56.53        | 46.53 | -18.98      | -10.88 |
| 3  | 1.85548         | 9.72                   | 15.05                | 8.10  | 24.77                 | 17.82 | 56.00        | 46.00 | -31.23      | -28.18 |
| 4  | 6.87891         | 9.82                   | 24.19                | 18.57 | 34.01                 | 28.39 | 60.00        | 50.00 | -25.99      | -21.61 |
| 5  | 8.62500         | 9.85                   | 24.53                | 19.37 | 34.38                 | 29.22 | 60.00        | 50.00 | -25.62      | -20.78 |
| 6  | 22.82031        | 9.94                   | 15.69                | 11.19 | 25.63                 | 21.13 | 60.00        | 50.00 | -34.37      | -28.87 |

## 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

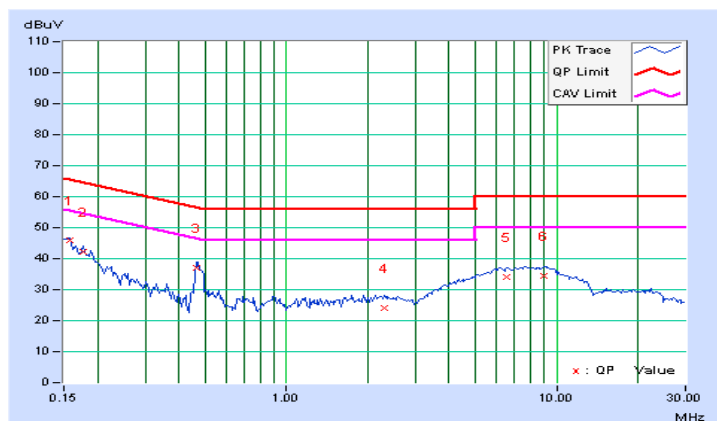


|       |             |                   |                                |
|-------|-------------|-------------------|--------------------------------|
| Phase | Neutral (N) | Detector Function | Quasi-Peak (QP) / Average (AV) |
|-------|-------------|-------------------|--------------------------------|

| 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         | 9.70                   | 36.22                | 24.85 | 45.92                 | 34.55 | 65.58        | 55.58 | -19.66      | -21.03 |
| 2  | 0.17734         | 9.71                   | 32.52                | 20.98 | 42.23                 | 30.69 | 64.61        | 54.61 | -22.38      | -23.92 |
| 3  | 0.46641         | 9.71                   | 27.17                | 24.50 | 36.88                 | 34.21 | 56.58        | 46.58 | -19.70      | -12.37 |
| 4  | 2.29688         | 9.76                   | 14.20                | 7.22  | 23.96                 | 16.98 | 56.00        | 46.00 | -32.04      | -29.02 |
| 5  | 6.57031         | 9.85                   | 24.38                | 18.29 | 34.23                 | 28.14 | 60.00        | 50.00 | -25.77      | -21.86 |
| 6  | 9.01953         | 9.89                   | 24.38                | 19.15 | 34.27                 | 29.04 | 60.00        | 50.00 | -25.73      | -20.96 |

#### 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



## 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.

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

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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.

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