



# EMC TEST REPORT

**Report No. : EME-020955**

**Model No. : XI-815**

**Issued Date : Oct. 14, 2002**

**Applicant : Z-COM, Inc.**  
**7F-2, No.9, Prosperity 1St RD., Science-Based Industrial Park,**  
**Hsinchu, Taiwan R.O.C.**

**Test By : Intertek Testing Services Taiwan Ltd.**  
**No. 11, Ko-Tze-Nan Chia-Tung Li, Shiang-Shan District,**  
**Hsinchu, Taiwan, R.O.C.**

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Project Engineer

Jerry Liu

Reviewed By

Elton Chen



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### Summary of Tests

#### **2.4GHz Compact Flash Card-Model: XI-815**

**FCC ID: M4Y-00815**

| Test                            | Reference      | Results  |
|---------------------------------|----------------|----------|
| Radiated Spurious Emission test | 15.205, 15.209 | Complies |



## 1. General information

### 1.1 Identification of the EUT

|                           |                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------|
| Manufacturer              | : Z-COM, Inc.                                                                                       |
| Product                   | : 2.4GHz Compact Flash Card                                                                         |
| Model No.                 | : XI-815                                                                                            |
| FCC ID.                   | : M4Y-00815                                                                                         |
| Frequency Range           | : 2412~2462 MHz                                                                                     |
| Channel Number            | : 11 Channels                                                                                       |
| Frequency of Each Channel | : 2412MHz, 2417MHz, 2422MHz, 2427MHz, 2432MHz, 2437MHz, 2442MHz, 2447MHz, 2452MHz, 2457MHz, 2462MHz |
| Type of Modulation        | : CCK (11Mbps, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)                                               |
| Power Supply              | : 3.3/5Vdc                                                                                          |
| Power Cord                | : N/A                                                                                               |
| Sample Received           | : Aug. 16, 2002                                                                                     |
| Test Date(s)              | : Aug. 19, 2002 to Aug. 21, 2002                                                                    |

A FCC DoC report has been generated for the client.

### 1.2 Additional information about the EUT

The EUT is 11Mbps IEEE 802.11b Wireless LAN Compact Flash Adapter, it is a standard CF interface adapter integrated with wireless LAN technology. It provides you the easiest, fastest, way to access your wireless and wired network. The Wireless Compact Flash Adapter, which utilizes the latest advancement of PC industry – Compact Flash technology, allows you to install and use the card reader easier than ever before. 11Mbps data rate gives equivalent Ethernet speed to access corporate network or the Internet in a wireless environment. When installed, 11Mbps Wireless LAN Compact Flash Adapter is able to communicate with any 802.11 and 802.11b compliant products.

For more detail features, please refer to User's manual as file name "Installation guide.pdf"



### 1.3 Antenna description

The EUT uses a permanently connected antenna.

Antenna Gain : 0dBi

Antenna Type : PIFA

### 1.4 Peripherals equipment

Notebook

Product No. : 2609

Serial No. : BA-ZHNNH

Manufacturer : IBM



## **2. Test specifications**

### **2.1 Test standard**

The EUT was performed according to the procedures in FCC Part 15 Subpart C Section §15.207 、 §15.209 、 §15.247 and ANSI C63.4/1992.

The AC power conducted emissions was invested over the frequency range from 0.45MHz to 30MHz using a receiver bandwidth of 9kHz. (15.207 paragraph)

Radiated emissions were invested cover the frequency range from 30MHz to 1000MHz using a receiver RBW of 120kHz record QP reading, and the frequency over 1GHz using a spectrum analyzer RBW of 1MHz and 10Hz VBW record Average reading. (15.209 paragraph), the Peak reading recorded also on the report.

The test of radiated measurements according to FCC Part15 Section 15.33(a) had been conducted and the field strength of this frequency band were all meet limit requirement, thus we evaluate the EUT pass the specified test.

The EUT setup configurations please refer to the photo of test configuration in item.

### **2.2 Operation mode**

Plug the EUT into Notebook via a PCMCIA to CF Card Simulator. Turn on the power of notebook then run the test program “RF.EXE”.

Select the wanted mode (Continuously Transmit) to perform all the tests.



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### 2.4 Test equipment

| Equipment           | Brand           | Frequency range | Model No. | Series No. | Cal.Date      |
|---------------------|-----------------|-----------------|-----------|------------|---------------|
| EMI Test Receiver   | Rohde & Schwarz | 9kHz~2.75GHz    | ESCS 30   | 825788/014 | May 24, 2002  |
| EMI Test Receiver   | Rohde & Schwarz | 20Hz~26.5GHz    | ESMI      | 825428/005 | June 10, 2002 |
| Spectrum Analyzer   | Rohde & Schwarz | 9kHz~30GHz      | FSP 30    | 100137     | July 10, 2002 |
| Horn Antenna        | EMCO            | 1GHz~18GHz      | 3115      | 9906-5822  | Sep. 10, 2001 |
| Horn Antenna        | SCHWARZBECK     | 14GHz~40GHz     | BBHA 9170 | 159        | June 20, 2002 |
| Bilog Antenna       | SCHWARZBECK     | 25MHz~1.7GHz    | VULB 9160 | 3111       | June 20, 2002 |
| Turn Table          | HDGmbH          | N/A             | DS 420S   | 420/669/01 | N/A           |
| Antenna Tower       | HDGmbH          | N/A             | MA 240    | 240/573    | N/A           |
| Microwave Amplifier | Agilent         | 2GHz~26.5GHz    | 8348A     | 3111A00567 | Dec. 20, 2001 |

Note:

1. The calibration interval of the above instruments is 12 months.

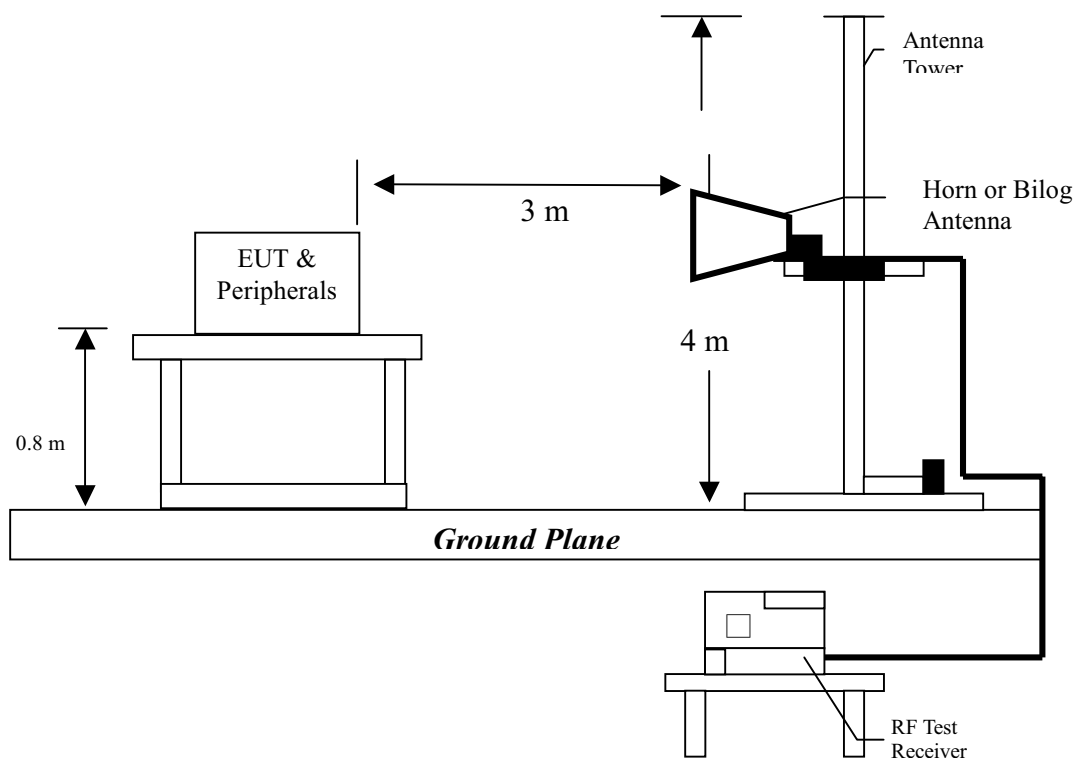
### 3. Radiated Emission test

#### 3.1 Operating environment

Temperature: 24 °C  
Relative Humidity: 55 %

#### 3.2 Test setup & procedure

The Diagram below shows the test setup, which is utilized to make these measurements.



Radiated emission measurements were performed from 30MHz to 25GHz. Spectrum Analyzer Resolution Bandwidth is 100kHz or greater for frequencies 30MHz to 1GHz, 1MHz – for frequencies above 1GHz.

The EUT for testing is arranged on a wooden turntable. If some peripherals apply to the EUT, the peripherals will be connected to EUT and the whole system. During the test, all cables were arranged to produce worst-case emissions. The signal is maximized through rotation. The height of antenna and polarization is changing constantly for exploring for maximum signal level. The height of antenna can be up to 4 meters and down to 1 meter.

The measurement for radiated emission will be done at the distance of three meters unless the signal level is too low to measure at that distance. In the case of the reading under noise floor, a pre-amplifier is used and/or the test is conducted at a closer distance. And then all readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance.



### 3.3 Emission limits

The spurious Emission shall test through the 10th harmonic. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

| Frequency<br>(MHz) | Limits<br>(dB $\mu$ V/m@3m) |
|--------------------|-----------------------------|
| 30-88              | 40                          |
| 88-216             | 43.5                        |
| 216-960            | 46                          |
| Above 960          | 54                          |

Remark:

1. In the above table, the tighter limit applies at the band edges.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

Uncertainty was calculated in accordance with NAMAS NIS 81.

Expanded uncertainty (k=2) of radiated emission measurement is  $\pm 3.078$  dB.



### 3.4 Radiated spurious emission test data

#### 3.4.1 Measurement results: frequencies equal to or less than 1 GHz

EUT : XI-815  
Worst Case Condition : Tx at low channel

| Frequency<br>(MHz) | Spectrum<br>Analyzer<br>Detector | Antenna<br>Polariz.<br>(H/V) | Correction<br>Factor<br>(dB/m) | Reading<br>(dBuV) | Corrected<br>Reading<br>(dBuV) | Limit<br>@ 3 m<br>(dBuV) | Margin<br>(dB) |
|--------------------|----------------------------------|------------------------------|--------------------------------|-------------------|--------------------------------|--------------------------|----------------|
| 38.1               | PK                               | V                            | 12.9                           | 21.9              | 34.8                           | 40                       | -5.2           |
| 43                 | PK                               | V                            | 13                             | 23.3              | 36.3                           | 40                       | -3.7           |
| 66.7               | PK                               | V                            | 12.3                           | 24.3              | 36.6                           | 40                       | -3.4           |
| 690.6              | PK                               | V                            | 21.8                           | 16.8              | 38.6                           | 46                       | -7.4           |
| 720                | PK                               | V                            | 22.5                           | 16.2              | 38.7                           | 46                       | -7.3           |
| 732.6              | PK                               | V                            | 22.9                           | 16.1              | 39                             | 46                       | -7             |
| 66.7               | PK                               | H                            | 12.3                           | 18.4              | 30.7                           | 40                       | -9.3           |
| 283.8              | PK                               | H                            | 14.2                           | 22.8              | 37                             | 46                       | -9             |
| 314                | PK                               | H                            | 14.8                           | 24.5              | 39.3                           | 46                       | -6.7           |
| 333.6              | PK                               | H                            | 15.4                           | 24.1              | 39.5                           | 46                       | -6.5           |
| 431.6              | PK                               | H                            | 17.7                           | 19.1              | 36.8                           | 46                       | -9.2           |
| 732.6              | PK                               | H                            | 22.9                           | 17.2              | 40.1                           | 46                       | -5.9           |

Remark:

1. Corrected Level = Reading Level + Correction Factor
2. Correction Factor = Antenna Factor + Cable Loss
3. “-” means the emission is below the noise floor.



### 3.4.2 Measurement results: frequency above 1GHz

EUT : XI-815

Test Condition : Tx at low channel

| Frequency<br>(MHz) | Spectrum<br>Analyzer<br>Detector | Antenna<br>Polariz.<br>(H/V) | Preamplifier<br>(dB) | Correction<br>Factor<br>(dB/m) | Reading<br>(dBuV) | Corrected<br>Reading<br>(dBuV) | Limit<br>@ 3 m<br>(dBuV) | Margin<br>(dB) |
|--------------------|----------------------------------|------------------------------|----------------------|--------------------------------|-------------------|--------------------------------|--------------------------|----------------|
| 2038               | PK                               | V                            | 0                    | 30.79                          | 17.04             | 47.83                          | 74                       | -26.17         |
| 2038               | AV                               | V                            | 0                    | 30.79                          | 8.9               | 39.69                          | 54                       | -14.31         |
| 4076               | PK                               | V                            | 28.02                | 37.54                          | 42.92             | 52.44                          | 74                       | -21.56         |
| 4076               | AV                               | V                            | 28.02                | 37.54                          | 35.66             | 45.18                          | 54                       | -8.82          |
| 6114               | PK                               | V                            | 28.02                | 41.82                          | 39.35             | 53.15                          | 74                       | -20.85         |
| 6114               | AV                               | V                            | 28.02                | 41.82                          | 29.7              | 43.5                           | 54                       | -10.5          |
| 8152               | PK                               | V                            | 28.02                | 44.95                          | 41.08             | 58.01                          | 74                       | -15.99         |
| 8152               | AV                               | V                            | 28.02                | 44.95                          | 28.54             | 45.47                          | 54                       | -8.53          |
| 10190              | PK                               | V                            | 28.02                | 46.81                          | -                 | -                              | 74                       | -              |
| 10190              | AV                               | V                            | 28.02                | 46.81                          | -                 | -                              | 54                       | -              |
| 4824               | PK                               | V                            | 28.02                | 37.9                           | 42.03             | 51.91                          | 74                       | -22.09         |
| 4824               | AV                               | V                            | 28.02                | 37.9                           | 28.19             | 38.07                          | 54                       | -15.93         |
| 7236               | PK                               | V                            | 28.02                | 43.26                          | 37.93             | 53.17                          | 74                       | -20.83         |
| 7236               | AV                               | V                            | 28.02                | 43.26                          | 26.91             | 42.15                          | 54                       | -11.85         |
| 9648               | PK                               | V                            | 28.02                | 46.8                           | 40.28             | 59.06                          | 74                       | -14.94         |
| 9648               | AV                               | V                            | 28.02                | 46.8                           | 27.36             | 46.14                          | 54                       | -7.86          |
| 12060              | PK                               | V                            | 28.02                | 48.57                          | -                 | -                              | 74                       | -              |
| 12060              | AV                               | V                            | 28.02                | 48.57                          | -                 | -                              | 54                       | -              |

**Remark:**

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
3. “-” means the emission is below the noise floor.



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Test Condition : Tx at low channel

| Frequency<br>(MHz) | Spectrum<br>Analyzer<br>Detector | Antenna<br>Polariz.<br>(H/V) | Preamplifier<br>(dB) | Correction<br>Factor<br>(dB/m) | Reading<br>(dBuV) | Corrected<br>Reading<br>(dBuV) | Limit<br>@ 3 m<br>(dBuV) | Margin<br>(dB) |
|--------------------|----------------------------------|------------------------------|----------------------|--------------------------------|-------------------|--------------------------------|--------------------------|----------------|
| 2038               | PK                               | H                            | 0                    | 30.79                          | 17.71             | 48.5                           | 74                       | -25.5          |
| 2038               | AV                               | H                            | 0                    | 30.79                          | 7.7               | 38.49                          | 54                       | -15.51         |
| 4076               | PK                               | H                            | 28.02                | 37.54                          | 41.27             | 50.79                          | 74                       | -23.21         |
| 4076               | AV                               | H                            | 28.02                | 37.54                          | 34.47             | 43.99                          | 54                       | -10.01         |
| 6114               | PK                               | H                            | 28.02                | 41.82                          | 38.67             | 52.47                          | 74                       | -21.53         |
| 6114               | AV                               | H                            | 28.02                | 41.82                          | 26.3              | 40.1                           | 54                       | -13.9          |
| 8152               | PK                               | H                            | 28.02                | 44.95                          | 39.06             | 55.99                          | 74                       | -18.01         |
| 8152               | AV                               | H                            | 28.02                | 44.95                          | 28.88             | 45.81                          | 54                       | -8.19          |
| 10190              | PK                               | H                            | 28.02                | 46.81                          | -                 | -                              | 74                       | -              |
| 10190              | AV                               | H                            | 28.02                | 46.81                          | -                 | -                              | 54                       | -              |
| 4824               | PK                               | H                            | 28.02                | 37.9                           | 38.08             | 47.96                          | 74                       | -26.04         |
| 4824               | AV                               | H                            | 28.02                | 37.9                           | 27.98             | 37.86                          | 54                       | -16.14         |
| 7236               | PK                               | H                            | 28.02                | 43.26                          | 38.54             | 53.78                          | 74                       | -20.22         |
| 7236               | AV                               | H                            | 28.02                | 43.26                          | 27.32             | 42.56                          | 54                       | -11.44         |
| 9648               | PK                               | H                            | 28.02                | 46.8                           | 40.4              | 59.18                          | 74                       | -14.82         |
| 9648               | AV                               | H                            | 28.02                | 46.8                           | 27.96             | 46.74                          | 54                       | -7.26          |
| 12060              | PK                               | H                            | 28.02                | 48.57                          | -                 | -                              | 74                       | -              |
| 12060              | AV                               | H                            | 28.02                | 48.57                          | -                 | -                              | 54                       | -              |

Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
3. “-” means the emission is below the noise floor.



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Test Condition : Tx at middle channel

| Frequency<br>(MHz) | Spectrum<br>Analyzer<br>Detector | Antenna<br>Polariz.<br>(H/V) | Preamplifier<br>(dB) | Correction<br>Factor<br>(dB/m) | Reading<br>(dBuV) | Corrected<br>Reading<br>(dBuV) | Limit<br>@ 3 m<br>(dBuV) | Margin<br>(dB) |
|--------------------|----------------------------------|------------------------------|----------------------|--------------------------------|-------------------|--------------------------------|--------------------------|----------------|
| 2063               | PK                               | V                            | 0                    | 30.79                          | 17.4              | 48.19                          | 74                       | -25.81         |
| 2063               | AV                               | V                            | 0                    | 30.79                          | 7.54              | 38.33                          | 54                       | -15.67         |
| 4126               | PK                               | V                            | 28.02                | 37.54                          | 41.31             | 50.83                          | 74                       | -23.17         |
| 4126               | AV                               | V                            | 28.02                | 37.54                          | 35.43             | 44.95                          | 54                       | -9.05          |
| 6189               | PK                               | V                            | 28.02                | 41.82                          | 40.44             | 54.24                          | 74                       | -19.76         |
| 6189               | AV                               | V                            | 28.02                | 41.82                          | 30.91             | 44.71                          | 54                       | -9.29          |
| 8252               | PK                               | V                            | 28.02                | 45.12                          | 36.89             | 53.99                          | 74                       | -20.01         |
| 8252               | AV                               | V                            | 28.02                | 45.12                          | 27.89             | 44.99                          | 54                       | -9.01          |
| 10315              | PK                               | V                            | 28.02                | 46.97                          | -                 | -                              | 74                       | -              |
| 10315              | AV                               | V                            | 28.02                | 46.97                          | -                 | -                              | 54                       | -              |
| 4874               | PK                               | V                            | 28.02                | 37.9                           | 36.31             | 46.19                          | 74                       | -27.81         |
| 4874               | AV                               | V                            | 28.02                | 37.9                           | 26.38             | 36.26                          | 54                       | -17.74         |
| 7311               | PK                               | V                            | 28.02                | 43.26                          | 37.76             | 53                             | 74                       | -21            |
| 7311               | AV                               | V                            | 28.02                | 43.26                          | 27.19             | 42.43                          | 54                       | -11.57         |
| 9748               | PK                               | V                            | 28.02                | 46.8                           | -                 | -                              | 74                       | -              |
| 9748               | AV                               | V                            | 28.02                | 46.8                           | -                 | -                              | 54                       | -              |

### Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
3. “-” means the emission is below the noise floor.



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Test Condition : Tx at middle channel

| Frequency<br>(MHz) | Spectrum<br>Analyzer<br>Detector | Antenna<br>Polariz.<br>(H/V) | Preamplifier<br>(dB) | Correction<br>Factor<br>(dB/m) | Reading<br>(dBuV) | Corrected<br>Reading<br>(dBuV) | Limit<br>@ 3 m<br>(dBuV) | Margin<br>(dB) |
|--------------------|----------------------------------|------------------------------|----------------------|--------------------------------|-------------------|--------------------------------|--------------------------|----------------|
| 2063               | PK                               | H                            | 0                    | 30.79                          | 16.95             | 47.74                          | 74                       | -26.26         |
| 2063               | AV                               | H                            | 0                    | 30.79                          | 6.55              | 37.34                          | 54                       | -16.66         |
| 4126               | PK                               | H                            | 28.02                | 37.54                          | 43.74             | 53.26                          | 74                       | -20.74         |
| 4126               | AV                               | H                            | 28.02                | 37.54                          | 39.74             | 49.26                          | 54                       | -4.74          |
| 6189               | PK                               | H                            | 28.02                | 41.82                          | 40.4              | 54.2                           | 74                       | -19.8          |
| 6189               | AV                               | H                            | 28.02                | 41.82                          | 27.73             | 41.53                          | 54                       | -12.47         |
| 8252               | PK                               | H                            | 28.02                | 45.12                          | 40.28             | 57.38                          | 74                       | -16.62         |
| 8252               | AV                               | H                            | 28.02                | 45.12                          | 27.36             | 44.46                          | 54                       | -9.54          |
| 10315              | PK                               | H                            | 28.02                | 46.97                          | -                 | -                              | 74                       | -              |
| 10315              | AV                               | H                            | 28.02                | 46.97                          | -                 | -                              | 54                       | -              |
| 4874               | PK                               | H                            | 28.02                | 37.9                           | 37.21             | 47.09                          | 74                       | -26.91         |
| 4874               | AV                               | H                            | 28.02                | 37.9                           | 26.28             | 36.16                          | 54                       | -17.84         |
| 7311               | PK                               | H                            | 28.02                | 43.26                          | 36.78             | 52.02                          | 74                       | -21.98         |
| 7311               | AV                               | H                            | 28.02                | 43.26                          | 27.15             | 42.39                          | 54                       | -11.61         |
| 9748               | PK                               | H                            | 28.02                | 46.8                           | -                 | -                              | 74                       | -              |
| 9748               | AV                               | H                            | 28.02                | 46.8                           | -                 | -                              | 54                       | -              |

### Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
3. “-” means the emission is below the noise floor.



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Test Condition : Tx at high channel

| Frequency<br>(MHz) | Spectrum<br>Analyzer<br>Detector | Antenna<br>Polariz.<br>(H/V) | Preamplifier<br>(dB) | Correction<br>Factor<br>(dB/m) | Reading<br>(dBuV) | Corrected<br>Reading<br>(dBuV) | Limit<br>@ 3 m<br>(dBuV) | Margin<br>(dB) |
|--------------------|----------------------------------|------------------------------|----------------------|--------------------------------|-------------------|--------------------------------|--------------------------|----------------|
| 2088               | PK                               | V                            | 0                    | 30.79                          | 18.5              | 49.29                          | 74                       | -24.71         |
| 2088               | AV                               | V                            | 0                    | 30.79                          | 9.8               | 40.59                          | 54                       | -13.41         |
| 4176               | PK                               | V                            | 28.02                | 37.54                          | 44.05             | 53.57                          | 74                       | -20.43         |
| 4176               | AV                               | V                            | 28.02                | 37.54                          | 38.48             | 48                             | 54                       | -6             |
| 6264               | PK                               | V                            | 28.02                | 41.98                          | 41.17             | 55.13                          | 74                       | -18.87         |
| 6264               | AV                               | V                            | 28.02                | 41.98                          | 32.51             | 46.47                          | 54                       | -7.53          |
| 8352               | PK                               | V                            | 28.02                | 45.12                          | 37.73             | 54.83                          | 74                       | -19.17         |
| 8352               | AV                               | V                            | 28.02                | 45.12                          | 27.89             | 44.99                          | 54                       | -9.01          |
| 10440              | PK                               | V                            | 28.02                | 47.03                          | -                 | -                              | 74                       | -              |
| 10440              | AV                               | V                            | 28.02                | 47.03                          | -                 | -                              | 54                       | -              |
| 4924               | PK                               | V                            | 28.02                | 37.9                           | 35.91             | 45.79                          | 74                       | -28.21         |
| 4924               | AV                               | V                            | 28.02                | 37.9                           | 26.25             | 36.13                          | 54                       | -17.87         |
| 7386               | PK                               | V                            | 28.02                | 43.26                          | 39.86             | 55.1                           | 74                       | -18.9          |
| 7386               | AV                               | V                            | 28.02                | 43.26                          | 26.9              | 42.14                          | 54                       | -11.86         |
| 9848               | PK                               | V                            | 28.02                | 46.78                          | -                 | -                              | 74                       | -              |
| 9848               | AV                               | V                            | 28.02                | 46.78                          | -                 | -                              | 54                       | -              |

### Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
3. “-” means the emission is below the noise floor.



# Intertek Testing Services

## ETL SEMKO

FCC ID. : M4Y-00815

Report No.: EME-020955

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EUT : XI-815

Test Condition : Tx at high channel

| Frequency<br>(MHz) | Spectrum<br>Analyzer<br>Detector | Antenna<br>Polariz.<br>(H/V) | Preamplifier<br>(dB) | Correction<br>Factor<br>(dB/m) | Reading<br>(dBuV) | Corrected<br>Reading<br>(dBuV) | Limit<br>@ 3 m<br>(dBuV) | Margin<br>(dB) |
|--------------------|----------------------------------|------------------------------|----------------------|--------------------------------|-------------------|--------------------------------|--------------------------|----------------|
| 2088               | PK                               | H                            | 0                    | 30.79                          | 17.48             | 48.27                          | 74                       | -25.73         |
| 2088               | AV                               | H                            | 0                    | 30.79                          | 8.97              | 39.76                          | 54                       | -14.24         |
| 4176               | PK                               | H                            | 28.02                | 37.54                          | 42.69             | 52.21                          | 74                       | -21.79         |
| 4176               | AV                               | H                            | 28.02                | 37.54                          | 37.63             | 47.15                          | 54                       | -6.85          |
| 6264               | PK                               | H                            | 28.02                | 41.98                          | 40.52             | 54.48                          | 74                       | -19.52         |
| 6264               | AV                               | H                            | 28.02                | 41.98                          | 29.34             | 43.3                           | 54                       | -10.7          |
| 8352               | PK                               | H                            | 28.02                | 45.12                          | 37.13             | 54.23                          | 74                       | -19.77         |
| 8352               | AV                               | H                            | 28.02                | 45.12                          | 26.77             | 43.87                          | 54                       | -10.13         |
| 10440              | PK                               | H                            | 28.02                | 47.03                          | -                 | -                              | 74                       | -              |
| 10440              | AV                               | H                            | 28.02                | 47.03                          | -                 | -                              | 54                       | -              |
| 4924               | PK                               | H                            | 28.02                | 37.9                           | 37.87             | 47.75                          | 74                       | -26.25         |
| 4924               | AV                               | H                            | 28.02                | 37.9                           | 26.26             | 36.14                          | 54                       | -17.86         |
| 7386               | PK                               | H                            | 28.02                | 43.26                          | 35.96             | 51.2                           | 74                       | -22.8          |
| 7386               | AV                               | H                            | 28.02                | 43.26                          | 26.76             | 42                             | 54                       | -12            |
| 9848               | PK                               | H                            | 28.02                | 46.78                          | -                 | -                              | 74                       | -              |
| 9848               | AV                               | H                            | 28.02                | 46.78                          | -                 | -                              | 54                       | -              |

### Remark:

1. Corrected Level = Reading Level + Correction Factor – Preamp
2. Correction Factor = Antenna Factor + Cable Loss
3. “-” means the emission is below the noise floor.