

# FCC Part 15B

## Measurement and Test Report

### For

**Fortune Ship International Industrial Limited**

**Unit C, 24/F, Golden Bear Industrial Centre, 66-82 Chai Wan Kok Street,  
Tsuen Wan NT, HONGKONG, China**

**FCC ID: 2AVFE-E1PLUS**

|                                      |                                 |
|--------------------------------------|---------------------------------|
| <b>FCC Rule(s):</b>                  | <u>FCC Part 15 Subpart B</u>    |
| <b>Product Description:</b>          | <u>4G Smart Phone</u>           |
| <b>Tested Model:</b>                 | <u>Wildfire E1</u>              |
| <b>Report No.:</b>                   | <u>WTX19X11081161W-7</u>        |
| <b>Sample Receipt Date:</b>          | <u>2019-11-22</u>               |
| <b>Tested Date:</b>                  | <u>2019-11-22 to 2019-12-25</u> |
| <b>Issued Date:</b>                  | <u>2019-12-26</u>               |
| <b>Tested By:</b>                    | <u>Jason Su / Engineer</u>      |
| <b>Reviewed By:</b>                  | <u>Silin Chen / EMC Manager</u> |
| <b>Approved &amp; Authorized By:</b> | <u>Jandy So / PSQ Manager</u>   |
| <b>Prepared By:</b>                  |                                 |

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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen SEM Test Technology Co., Ltd.

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## Report version

| Version No. | Date of issue | Description |
|-------------|---------------|-------------|
| Rev.00      | 2019-12-26    | Original    |
| /           | /             | /           |

## 1. GENERAL INFORMATION

### 1.1 Product Description for Equipment Under Test (EUT)

#### Client Information

Applicant: Fortune Ship International Industrial Limited  
Address of applicant: Unit C, 24/F, Golden Bear Industrial Centre, 66-82 Chai Wan Kok Street, Tsuen Wan NT, HONGKONG, China

Manufacturer: Guizhou Fortuneship Technology Co., Ltd  
Address of manufacturer: No. 4 Plant, High-tech Industrial Park, Xipu Economic Development Zone, Zunyi, China

#### General Description of EUT

|                  |                  |
|------------------|------------------|
| Product Name:    | 4G Smart Phone   |
| Trade Name:      | HTC              |
| Model No.:       | Wildfire E1      |
| Adding Model(s): | Wildfire E1 PLUS |

*Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model Wildfire E1, but the circuit and the electronic construction do not change, declared by the manufacturer.*

#### Technical Characteristics of EUT

|                             |                                                                              |
|-----------------------------|------------------------------------------------------------------------------|
| Rated Voltage:              | DC3.85V                                                                      |
| Rated Current:              | /                                                                            |
| Rated Power:                | /                                                                            |
| Power Adapter Model:        | ES568-U050150XYE<br>INPUT: AC100-20/60Hz, 0.5A, Max;<br>Output: DC5V, 1500mA |
| Lowest Internal Frequency:  | 32.768kHz                                                                    |
| Highest Internal Frequency: | 5825MHz                                                                      |
| Classification of ITE:      | Class B                                                                      |

## 1.2 Test Standards

The tests were performed according to following standards:

**FCC Rules Part 15 Subpart B:**Unintentional Radiators.

**ANSI C63.4-2014:**American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

**Maintenance of compliance** is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

## 1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

## 1.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

### **FCC – Registration No.: 125990**

Shenzhen SEM Test Technology Co., Ltd. Laboratory has been recognized to perform compliance testing on equipment subject to the Commissions Declaration Of Conformity (DOC). The Designation Number is CN5010, and Test Firm Registration Number is 125990.

### **Industry Canada (IC) Registration No.: 11464A**

The 3m Semi-anechoic chamber of Shenzhen SEM Test Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

## 1.5 EUT Setup and Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission. The test modes were adapted according to the operation manual for use, more detailed description as follows:

Test Mode List:

| Test Mode                                                   | Description          | Remark   | Power Supply Mode       |
|-------------------------------------------------------------|----------------------|----------|-------------------------|
| TM1                                                         | Charging And Playing | /        | AC120V 60Hz for adapter |
| TM2                                                         | Downloading          | /        | AC120V 60Hz for adapter |
| TM3                                                         | Camera               | /        | AC120V 60Hz for adapter |
| TM4                                                         | FM                   | Receiver | AC120V 60Hz for adapter |
| TM5                                                         | GPS                  | Receiver | AC120V 60Hz for adapter |
| TM6                                                         | 2G                   | Receiver | AC120V 60Hz for adapter |
| TM7                                                         | 3G                   | Receiver | AC120V 60Hz for adapter |
| TM8                                                         | 4G                   | Receiver | AC120V 60Hz for adapter |
| TM9                                                         | WIFI                 | Receiver | AC120V 60Hz for adapter |
| TM10                                                        | BT                   | Receiver | AC120V 60Hz for adapter |
| Remark:Only show the worst case(TM1-TM5) in the test report |                      |          |                         |

EUT Cable List and Details

| Cable Description | Length (M) | Shielded/Unshielded | With Core/Without Core |
|-------------------|------------|---------------------|------------------------|
| USB Cable         | 1.0        | Unshielded          | Without Ferrite        |
| Earphone Cable    | 1.2        | Unshielded          | Without Ferrite        |

Auxiliary Equipment List and Details

| Description | Manufacturer | Model | Serial Number |
|-------------|--------------|-------|---------------|
| Notebook    | Lenovo       | E40   | /             |

Special Cable List and Details

| Cable Description | Length (M) | Shielded/Unshielded | With Core/Without Core |
|-------------------|------------|---------------------|------------------------|
| /                 | /          | /                   | /                      |

## 1.6 Measurement Uncertainty

| Measurement uncertainty |            |                                |
|-------------------------|------------|--------------------------------|
| Parameter               | Conditions | Uncertainty                    |
| Conducted Emissions     | Conducted  | 9-150kHz $\pm 3.74\text{dB}$   |
|                         |            | 0.15-30MHz $\pm 3.34\text{dB}$ |
| Radiated Emissions      | Radiated   | 30-200MHz $\pm 4.52\text{dB}$  |
|                         |            | 0.2-1GHz $\pm 5.56\text{dB}$   |
|                         |            | 1-6GHz $\pm 3.84\text{dB}$     |
|                         |            | 6-18GHz $\pm 3.92\text{dB}$    |

## 1.7 Test Equipment List and Details

| Description       | Manufacturer    | Model     | Serial No. | Cal Date   | Due Date   |
|-------------------|-----------------|-----------|------------|------------|------------|
| Spectrum Analyzer | Agilent         | E4407B    | MY41440400 | 2019-04-30 | 2020-04-29 |
| Spectrum Analyzer | Rohde & Schwarz | FSP30     | 836079/035 | 2019-04-30 | 2020-04-29 |
| EMI Test Receiver | Rohde & Schwarz | ESVB      | 825471/005 | 2019-04-30 | 2020-04-29 |
| Amplifier         | Agilent         | 8447F     | 3113A06717 | 2019-04-30 | 2020-04-29 |
| Amplifier         | C&D             | PAP-1G18  | 2002       | 2019-04-30 | 2020-04-29 |
| Broadband Antenna | Schwarz beck    | VULB9163  | 9163-333   | 2019-05-05 | 2021-05-04 |
| Horn Antenna      | ETS             | 3117      | 00086197   | 2019-05-05 | 2021-05-04 |
| Loop Antenna      | Schwarz beck    | FMZB 1516 | 9773       | 2019-05-05 | 2021-05-04 |
| EMI Test Receiver | Rohde & Schwarz | ESPI      | 101611     | 2019-04-30 | 2020-04-29 |
| L.I.S.N           | Schwarz beck    | NSLK8126  | 8126-224   | 2019-04-30 | 2020-04-29 |
| Pulse Limiter     | Rohde & Schwarz | ESH3-Z2   | 100911     | 2019-04-30 | 2020-04-29 |

| Software List                              |              |        |         |
|--------------------------------------------|--------------|--------|---------|
| Description                                | Manufacturer | Model  | Version |
| EMI Test Software<br>(Radiated Emission)*  | Farad        | EZ-EMC | RA-03A1 |
| EMI Test Software<br>(Conducted Emission)* | Farad        | EZ-EMC | RA-03A1 |

\*Remark: indicates software version used in the compliance certification testing

## 2. SUMMARY OF TEST RESULTS

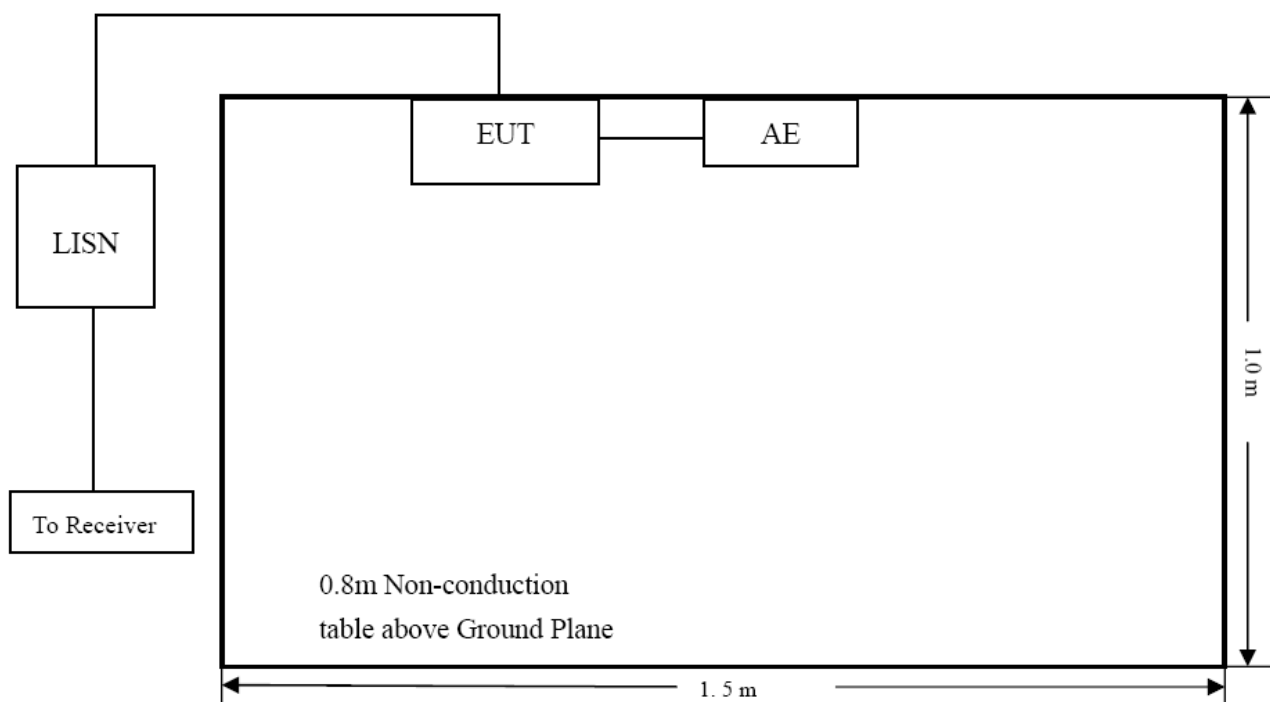
| Description of Test           | Result    |
|-------------------------------|-----------|
| §15.107(a) Conducted Emission | Compliant |
| §15.109(a) Radiated Emission  | Compliant |

### 3. Conducted Emissions

#### 3.1 Test Procedure

Test is conducting under the description of ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

#### 3.2 Basic Test Setup Block Diagram



#### 3.3 Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23 °C     |
| Relative Humidity: | 52%       |
| ATM Pressure:      | 1011 mbar |

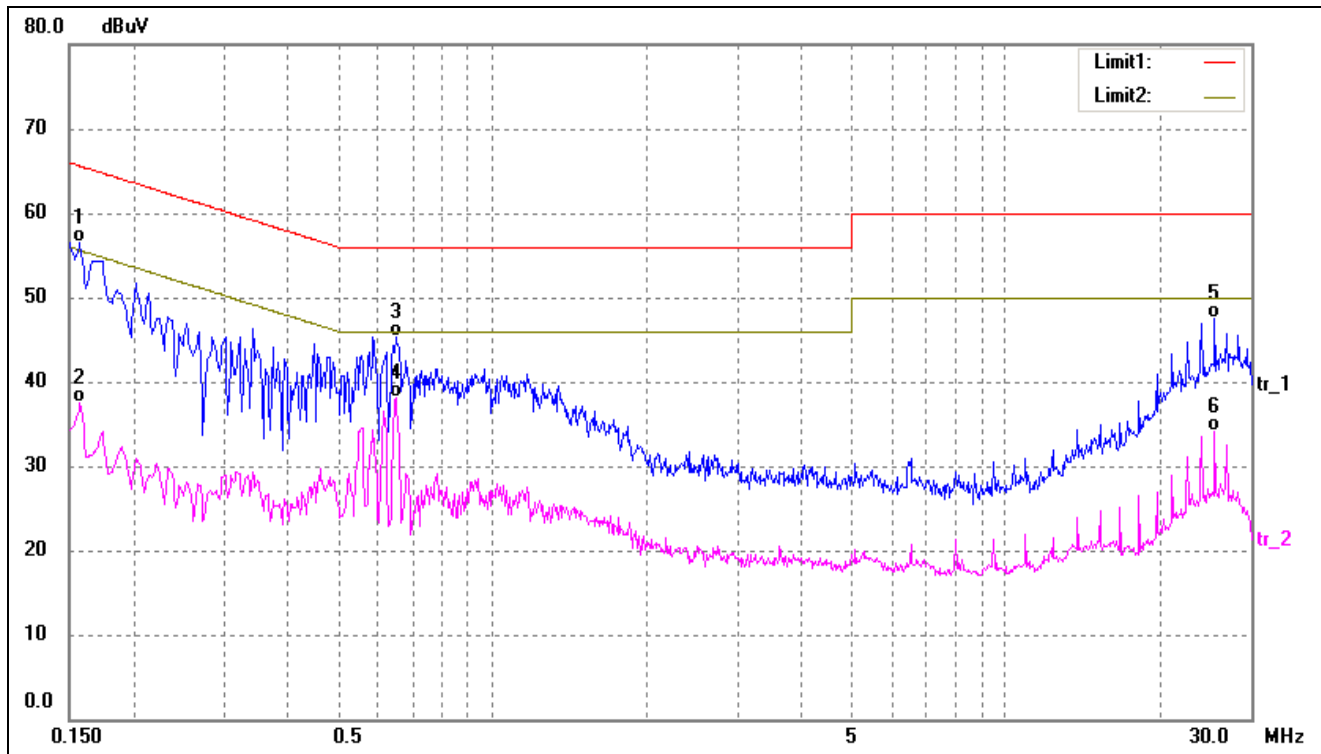
#### 3.4 Summary of Test Results/Plots

According to the data in section 3.5, the EUT complied with the FCC Part 15.107(a) conducted margin for a Class B device, with the *worst* margin reading of:

**-5.44 dB at 0.1500 MHz** in the **Neutral, QP** detector, 0.15-30 MHz

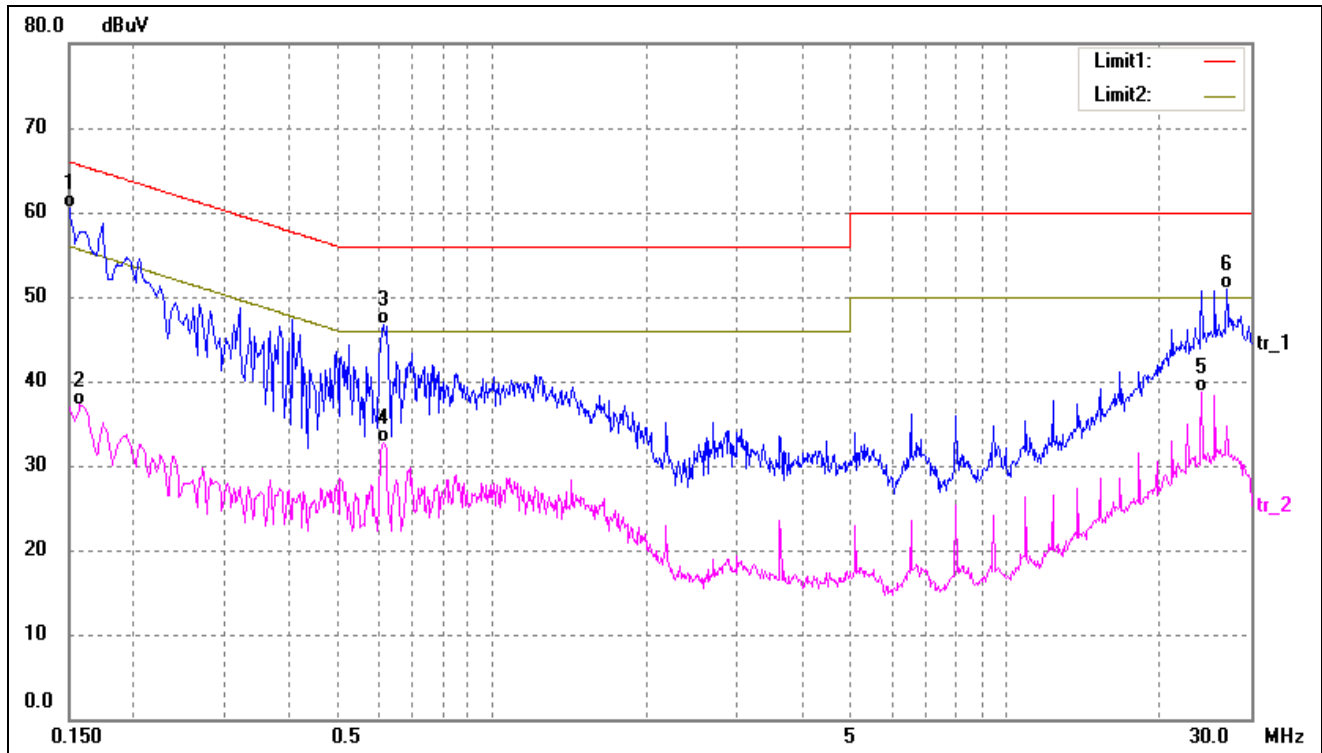
### 3.5 Conducted Emissions Test Data

|            |     |           |      |
|------------|-----|-----------|------|
| Test mode: | TM1 | Polarity: | Line |
|------------|-----|-----------|------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-------------------|------------------|-----------------|----------------|----------|
| 1   | 0.1580             | 56.42             | 0.00              | 56.42            | 65.56           | -9.14          | QP       |
| 2   | 0.1580             | 37.46             | 0.00              | 37.46            | 55.56           | -18.10         | AVG      |
| 3   | 0.6500             | 45.34             | 0.00              | 45.34            | 56.00           | -10.66         | QP       |
| 4*  | 0.6500             | 38.05             | 0.00              | 38.05            | 46.00           | -7.95          | AVG      |
| 5   | 25.4740            | 47.42             | 0.00              | 47.42            | 60.00           | -12.58         | QP       |
| 6   | 25.4740            | 34.16             | 0.00              | 34.16            | 50.00           | -15.84         | AVG      |

|            |     |           |         |
|------------|-----|-----------|---------|
| Test mode: | TM1 | Polarity: | Neutral |
|------------|-----|-----------|---------|



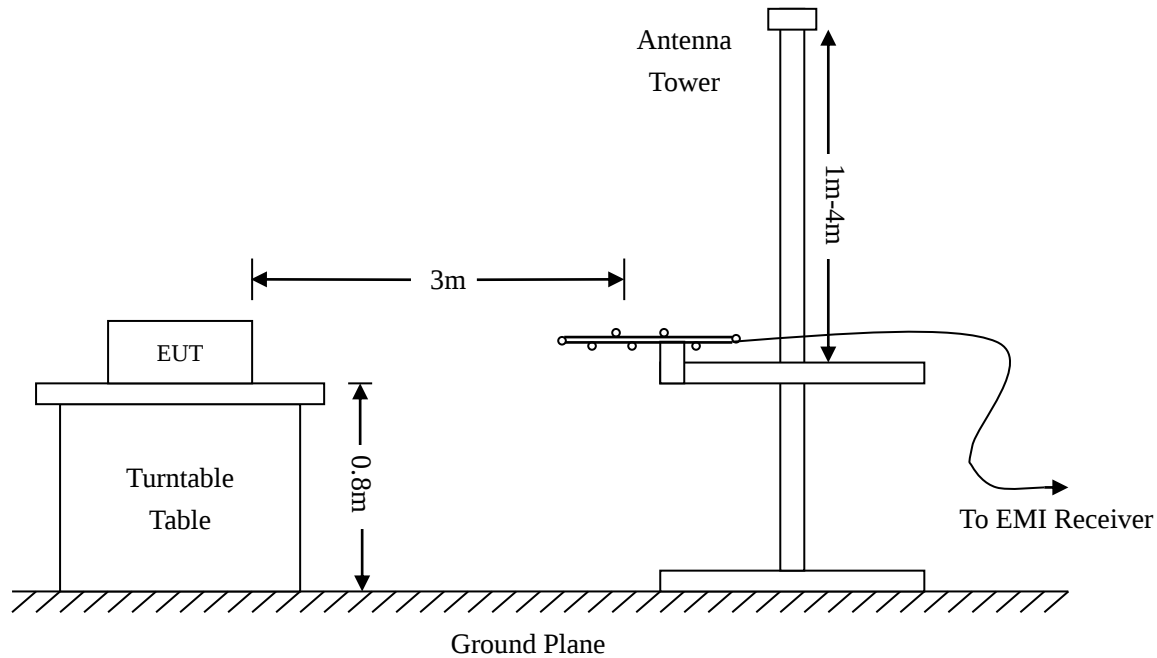
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-------------------|------------------|-----------------|----------------|----------|
| 1*  | 0.1500             | 60.55             | 0.00              | 60.55            | 65.99           | -5.44          | QP       |
| 2   | 0.1580             | 37.20             | 0.00              | 37.20            | 55.56           | -18.36         | AVG      |
| 3   | 0.6140             | 46.69             | 0.00              | 46.69            | 56.00           | -9.31          | QP       |
| 4   | 0.6140             | 32.64             | 0.00              | 32.64            | 46.00           | -13.36         | AVG      |
| 5   | 24.0220            | 38.79             | 0.00              | 38.79            | 50.00           | -11.21         | AVG      |
| 6   | 26.9340            | 50.99             | 0.00              | 50.99            | 60.00           | -9.01          | QP       |

## 4. RADIATED EMISSION

### 4.1 Test Procedure

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15.109 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.



### 4.2 Test Receiver Setup

Frequency :9kHz-30MHz

RBW=10KHz,

VBW =30KHz

Sweep time= Auto

Trace = max hold

Detector function = peak

Frequency :30MHz-1GHz

RBW=120KHz,

VBW=300KHz

Sweep time= Auto

Trace = max hold

Detector function = peak, QP

Frequency :Above 1GHz

RBW=1MHz,

VBW=3MHz(Peak), 10Hz(AV)

Sweep time= Auto

Trace = max hold

Detector function = peak, AV

### 4.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\begin{aligned}\text{Corr. Ampl.} &= \text{Indicated Reading} + \text{Correct} \\ \text{Correct} &= \text{Ant.Factor} + \text{Cable Loss} - \text{Ampl.Gain}\end{aligned}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dB $\mu$ V means the emission is 6dB $\mu$ V below the maximum limit for a Class B device. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15.109(a) Limit}$$

### 4.4 Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23 °C     |
| Relative Humidity: | 55 %      |
| ATM Pressure:      | 1011 mbar |

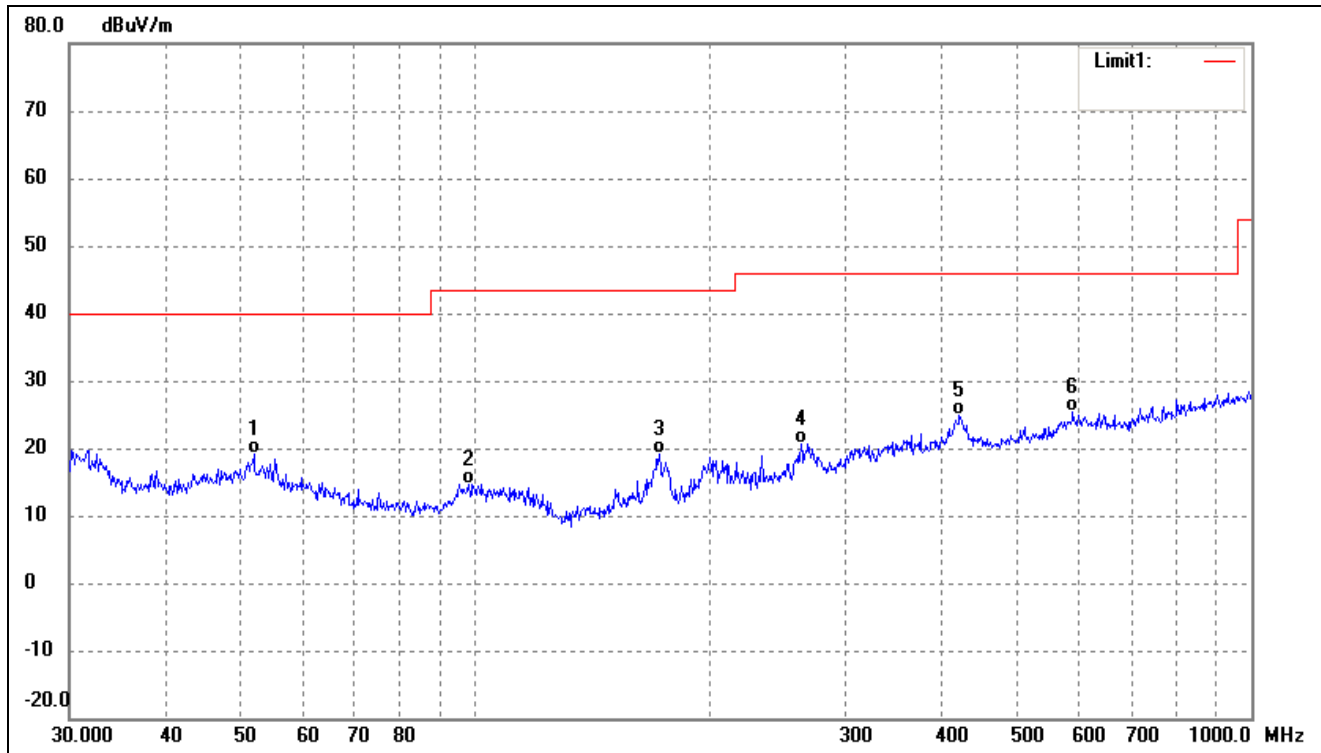
### 4.5 Summary of Test Results/Plots

According to the data, the EUT complied with the FCC Part 15.109(a) rule, and had the worst margin of:

**-2.80 dB at 32.9791 MHz in the Vertical polarization, TM3 mode, 30 MHz to 1 GHz, 3 Meters**

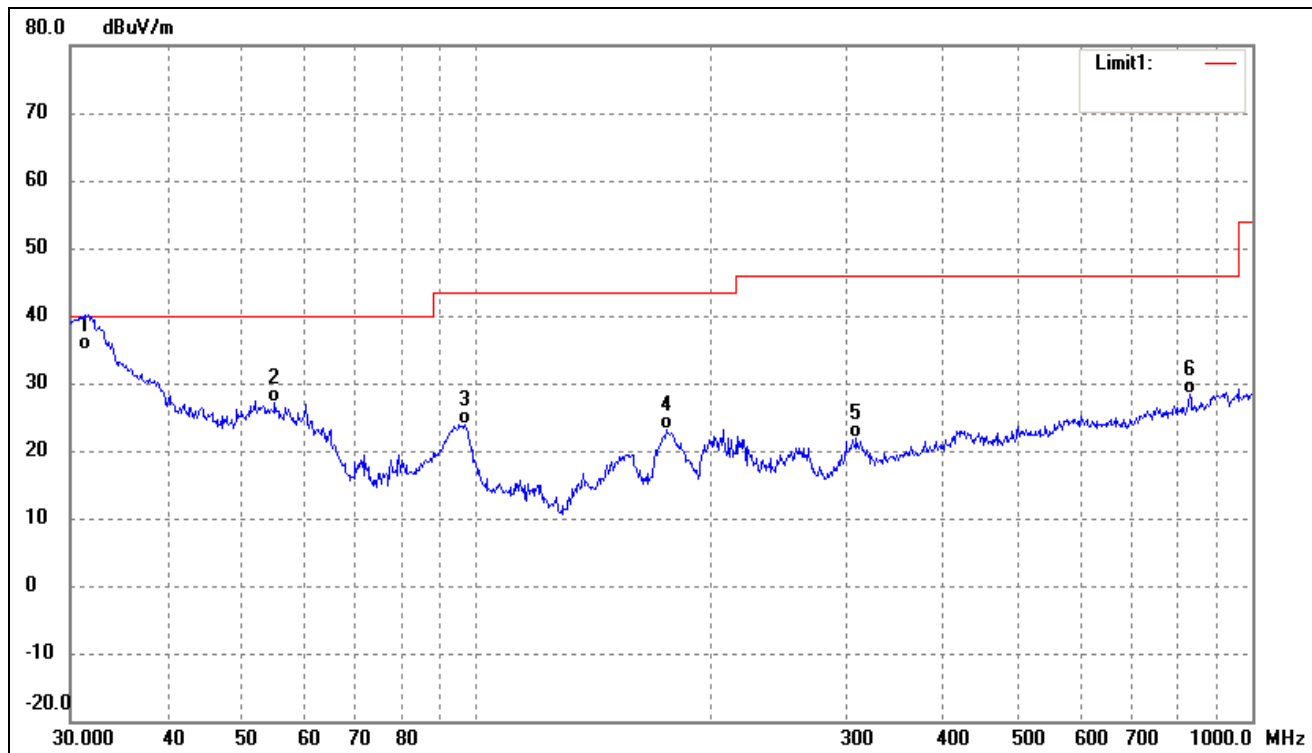
➤ Below 1GHz

|            |     |           |            |
|------------|-----|-----------|------------|
| Test mode: | TM1 | Polarity: | Horizontal |
|------------|-----|-----------|------------|



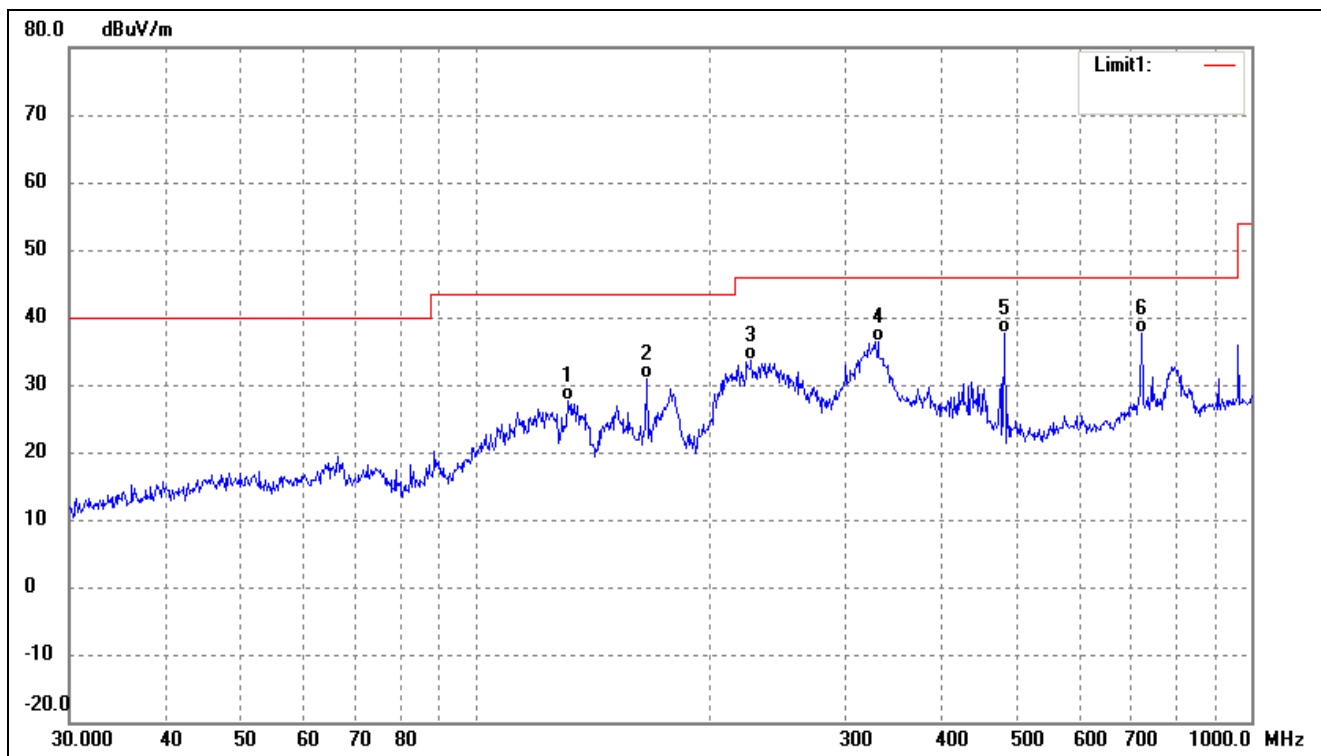
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 51.8430            | 30.63               | -11.42          | 19.21              | 40.00             | -20.79         | 243           | 100            | QP     |
| 2   | 98.1419            | 28.24               | -13.61          | 14.63              | 43.50             | -28.87         | 99            | 100            | QP     |
| 3   | 172.5988           | 33.84               | -14.81          | 19.03              | 43.50             | -24.47         | 283           | 100            | QP     |
| 4   | 262.8955           | 31.34               | -10.77          | 20.57              | 46.00             | -25.43         | 104           | 100            | QP     |
| 5   | 420.5803           | 31.30               | -6.33           | 24.97              | 46.00             | -21.03         | 321           | 100            | QP     |
| 6   | 588.9051           | 29.52               | -4.13           | 25.39              | 46.00             | -20.61         | 99            | 100            | QP     |

|            |     |           |          |
|------------|-----|-----------|----------|
| Test mode: | TM1 | Polarity: | Vertical |
|------------|-----|-----------|----------|



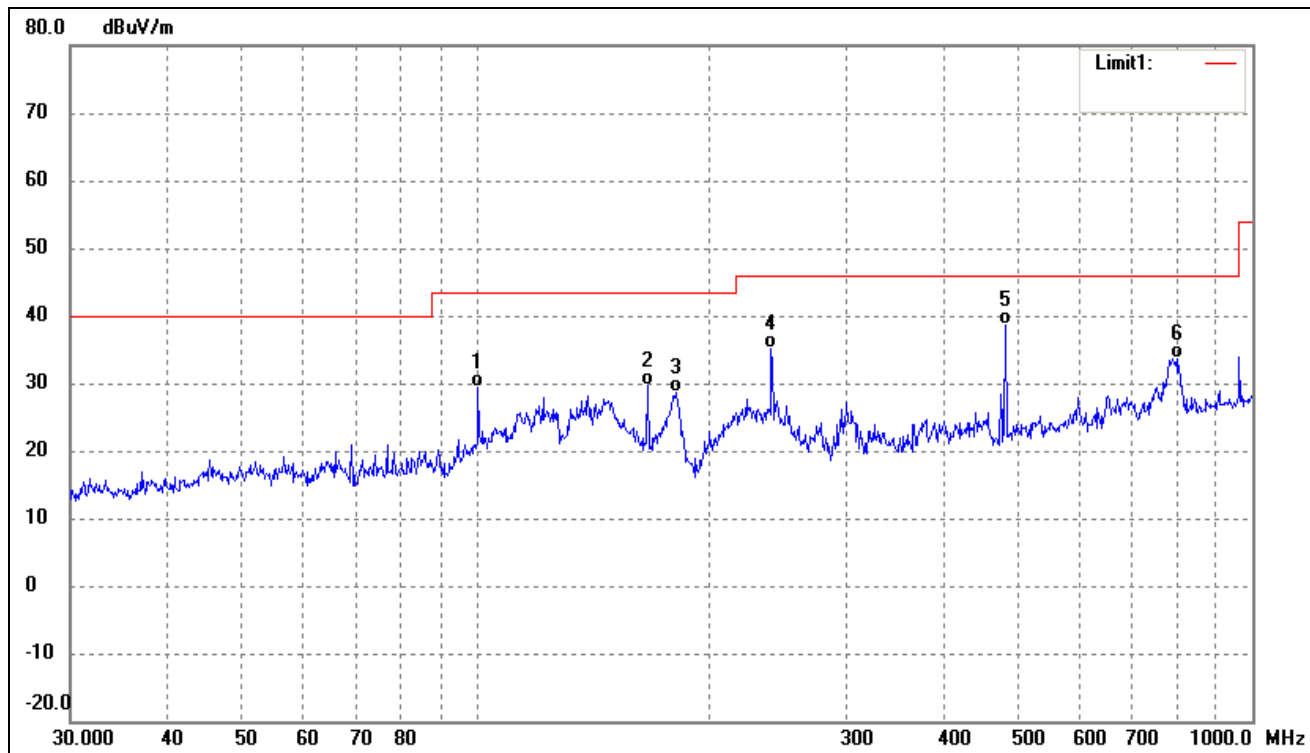
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 31.2893            | 49.16               | -14.26          | 34.90              | 40.00             | -5.10          | 189           | 100            | QP     |
| 2   | 55.0274            | 39.21               | -12.16          | 27.05              | 40.00             | -12.95         | 342           | 100            | QP     |
| 3   | 96.7749            | 37.78               | -13.91          | 23.87              | 43.50             | -19.63         | 99            | 100            | QP     |
| 4   | 176.2686           | 37.72               | -14.70          | 23.02              | 43.50             | -20.48         | 338           | 100            | QP     |
| 5   | 308.9126           | 31.06               | -9.28           | 21.78              | 46.00             | -24.22         | 335           | 100            | QP     |
| 6   | 830.4002           | 29.93               | -1.55           | 28.38              | 46.00             | -17.62         | 275           | 100            | QP     |

|            |     |           |            |
|------------|-----|-----------|------------|
| Test mode: | TM2 | Polarity: | Horizontal |
|------------|-----|-----------|------------|



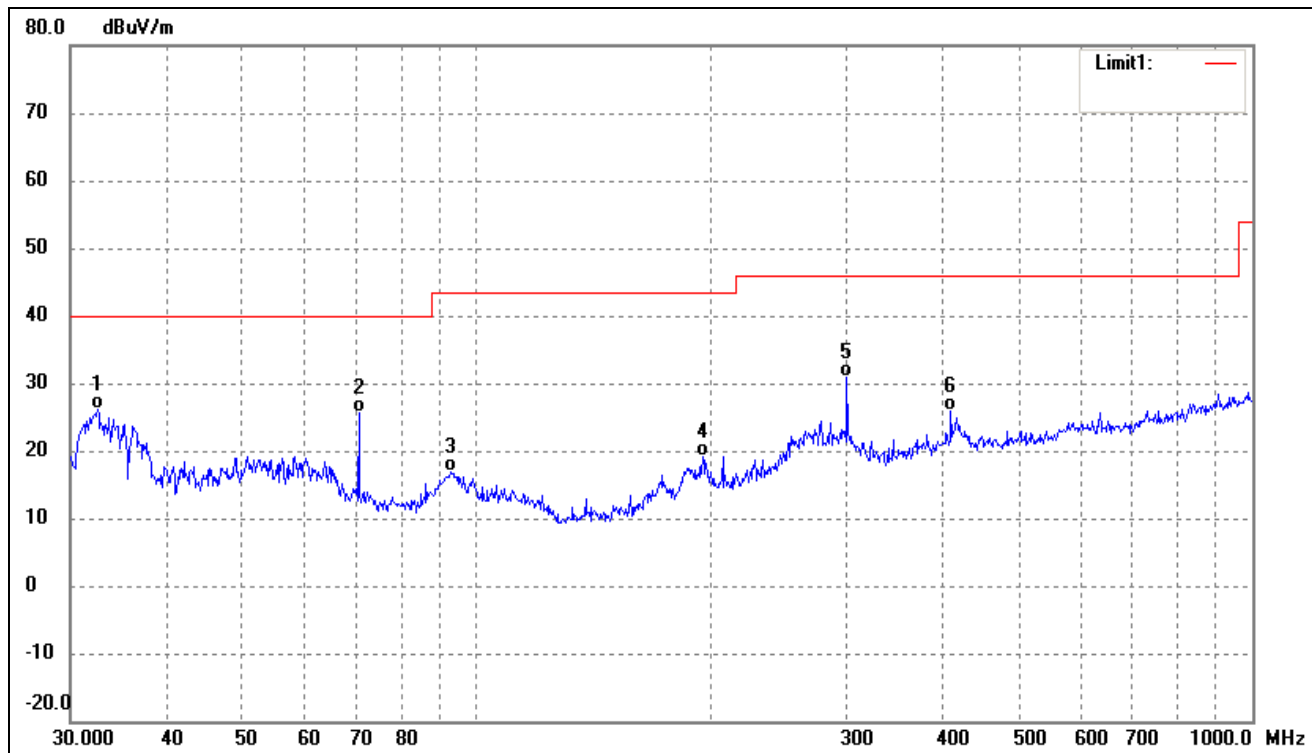
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 131.7577           | 44.20               | -16.60          | 27.60              | 43.50             | -15.90         | 40            | 100            | QP     |
| 2   | 166.0680           | 46.06               | -15.12          | 30.94              | 43.50             | -12.56         | 93            | 100            | QP     |
| 3   | 226.8936           | 45.94               | -12.22          | 33.72              | 46.00             | -12.28         | 134           | 100            | QP     |
| 4   | 330.1949           | 45.58               | -9.12           | 36.46              | 46.00             | -9.54          | 108           | 100            | QP     |
| 5   | 480.5276           | 44.12               | -6.45           | 37.67              | 46.00             | -8.33          | 320           | 100            | QP     |
| 6   | 721.7259           | 40.75               | -3.09           | 37.66              | 46.00             | -8.34          | 310           | 100            | QP     |

|            |     |           |          |
|------------|-----|-----------|----------|
| Test mode: | TM2 | Polarity: | Vertical |
|------------|-----|-----------|----------|



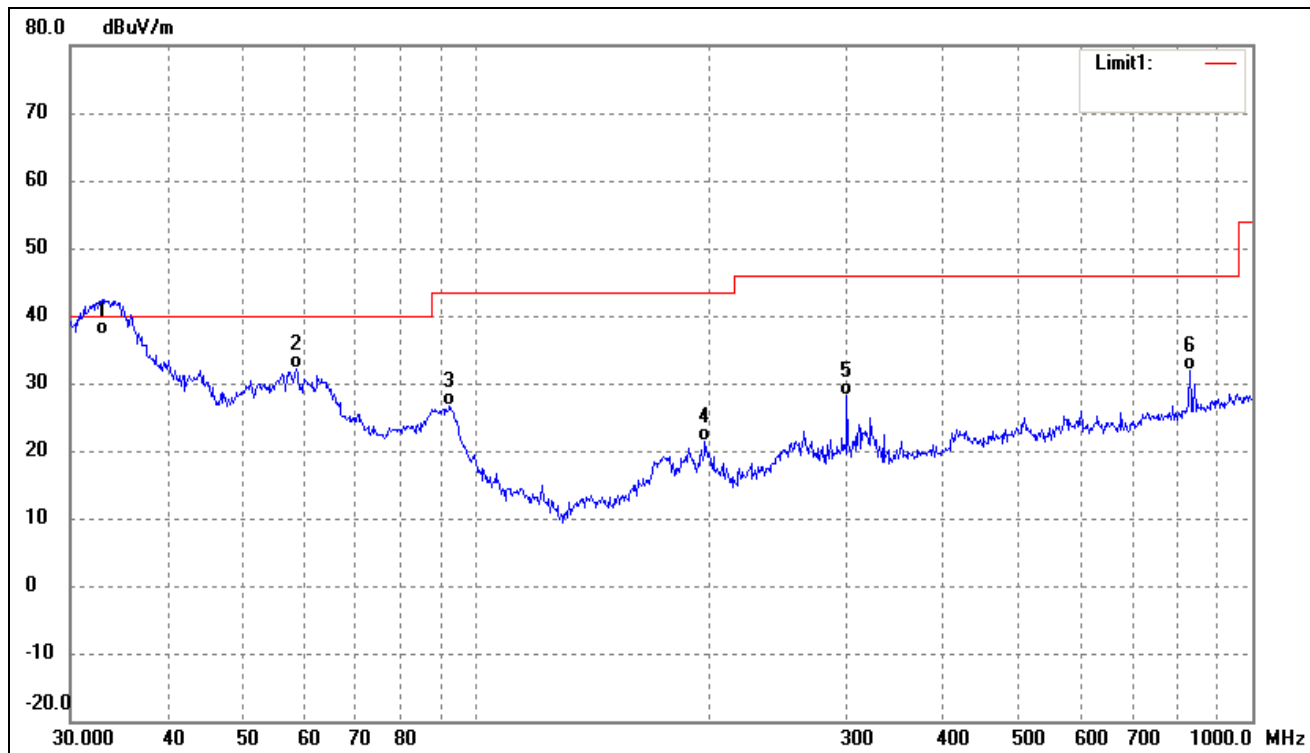
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 100.5806           | 42.44               | -13.17          | 29.27              | 43.50             | -14.23         | 274           | 100            | QP     |
| 2   | 166.0680           | 44.80               | -15.12          | 29.68              | 43.50             | -13.82         | 96            | 100            | QP     |
| 3   | 180.6487           | 43.22               | -14.53          | 28.69              | 43.50             | -14.81         | 343           | 100            | QP     |
| 4   | 239.9874           | 46.61               | -11.53          | 35.08              | 46.00             | -10.92         | 111           | 100            | QP     |
| 5   | 480.5276           | 45.16               | -6.45           | 38.71              | 46.00             | -7.29          | 74            | 100            | QP     |
| 6   | 798.9796           | 35.88               | -2.23           | 33.65              | 46.00             | -12.35         | 148           | 100            | QP     |

|            |     |           |            |
|------------|-----|-----------|------------|
| Test mode: | TM3 | Polarity: | Horizontal |
|------------|-----|-----------|------------|



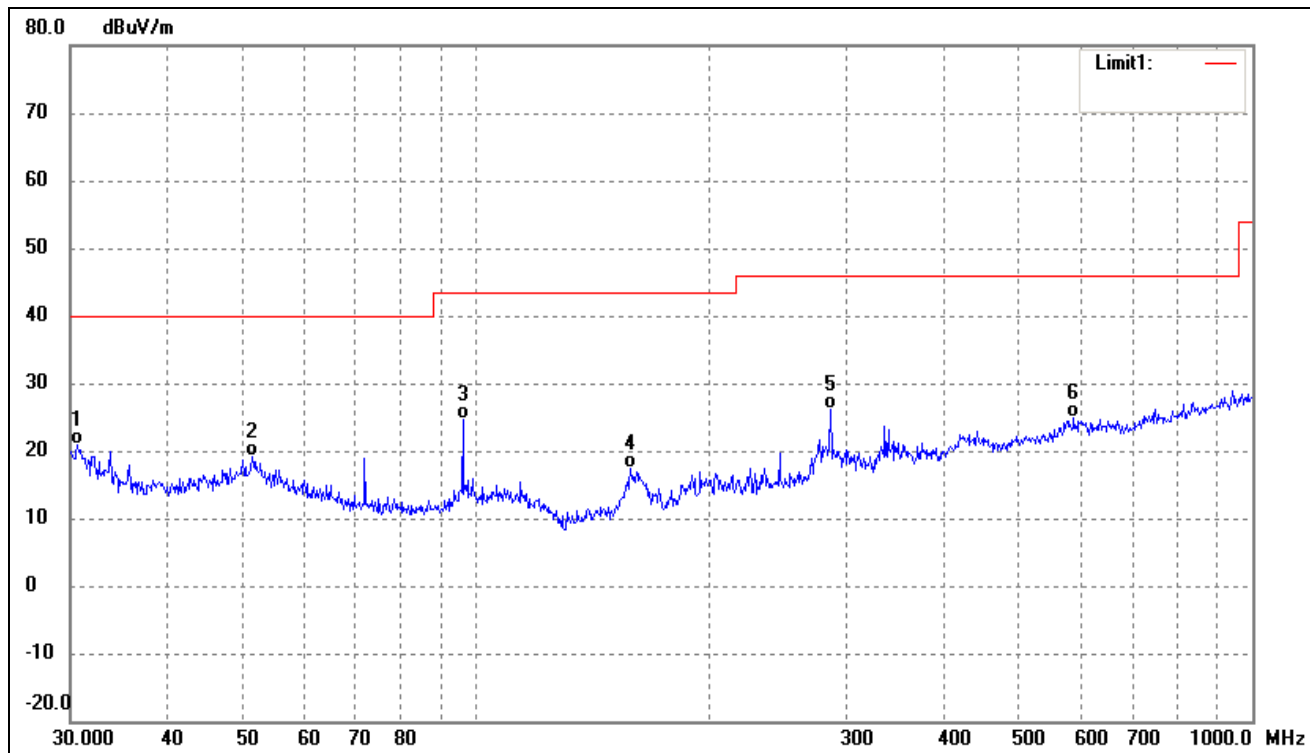
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 32.5198            | 40.02               | -13.96          | 26.06              | 40.00             | -13.94         | 163           | 100            | QP     |
| 2   | 70.5836            | 40.72               | -15.20          | 25.52              | 40.00             | -14.48         | 234           | 100            | QP     |
| 3   | 92.7871            | 31.84               | -14.89          | 16.95              | 43.50             | -26.55         | 67            | 100            | QP     |
| 4   | 195.8220           | 32.09               | -12.99          | 19.10              | 43.50             | -24.40         | 344           | 100            | QP     |
| 5   | 300.3672           | 40.12               | -9.23           | 30.89              | 46.00             | -15.11         | 138           | 100            | QP     |
| 6   | 408.9460           | 33.06               | -7.11           | 25.95              | 46.00             | -20.05         | 135           | 100            | QP     |

|            |     |           |          |
|------------|-----|-----------|----------|
| Test mode: | TM3 | Polarity: | Vertical |
|------------|-----|-----------|----------|



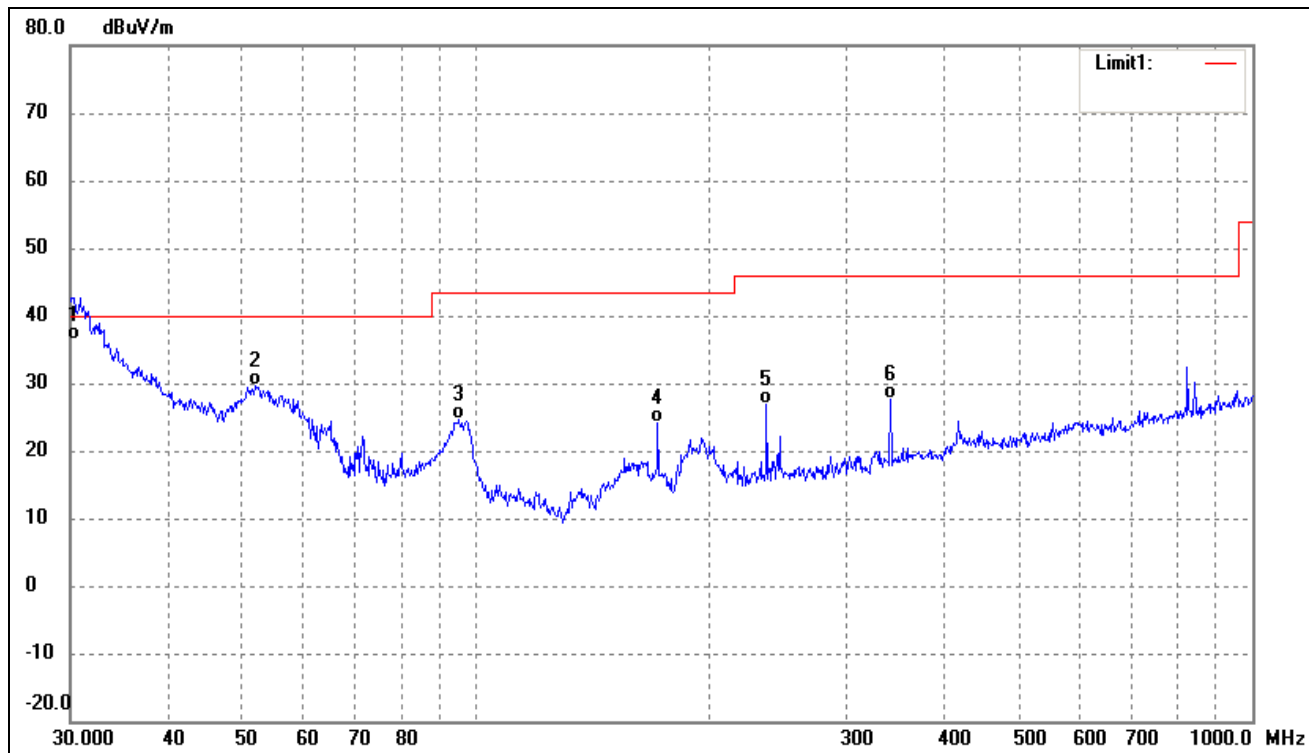
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 32.9791            | 51.05               | -13.85          | 37.20              | 40.00             | -2.80          | 96            | 100            | QP     |
| 2   | 58.6126            | 45.05               | -13.00          | 32.05              | 40.00             | -7.95          | 109           | 100            | QP     |
| 3   | 92.4624            | 41.53               | -14.97          | 26.56              | 43.50             | -16.94         | 87            | 100            | QP     |
| 4   | 197.2001           | 34.28               | -12.90          | 21.38              | 43.50             | -22.12         | 99            | 100            | QP     |
| 5   | 300.3672           | 37.37               | -9.23           | 28.14              | 46.00             | -17.86         | 121           | 100            | QP     |
| 6   | 830.4002           | 33.53               | -1.55           | 31.98              | 46.00             | -14.02         | 308           | 100            | QP     |

|            |     |           |            |
|------------|-----|-----------|------------|
| Test mode: | TM4 | Polarity: | Horizontal |
|------------|-----|-----------|------------|



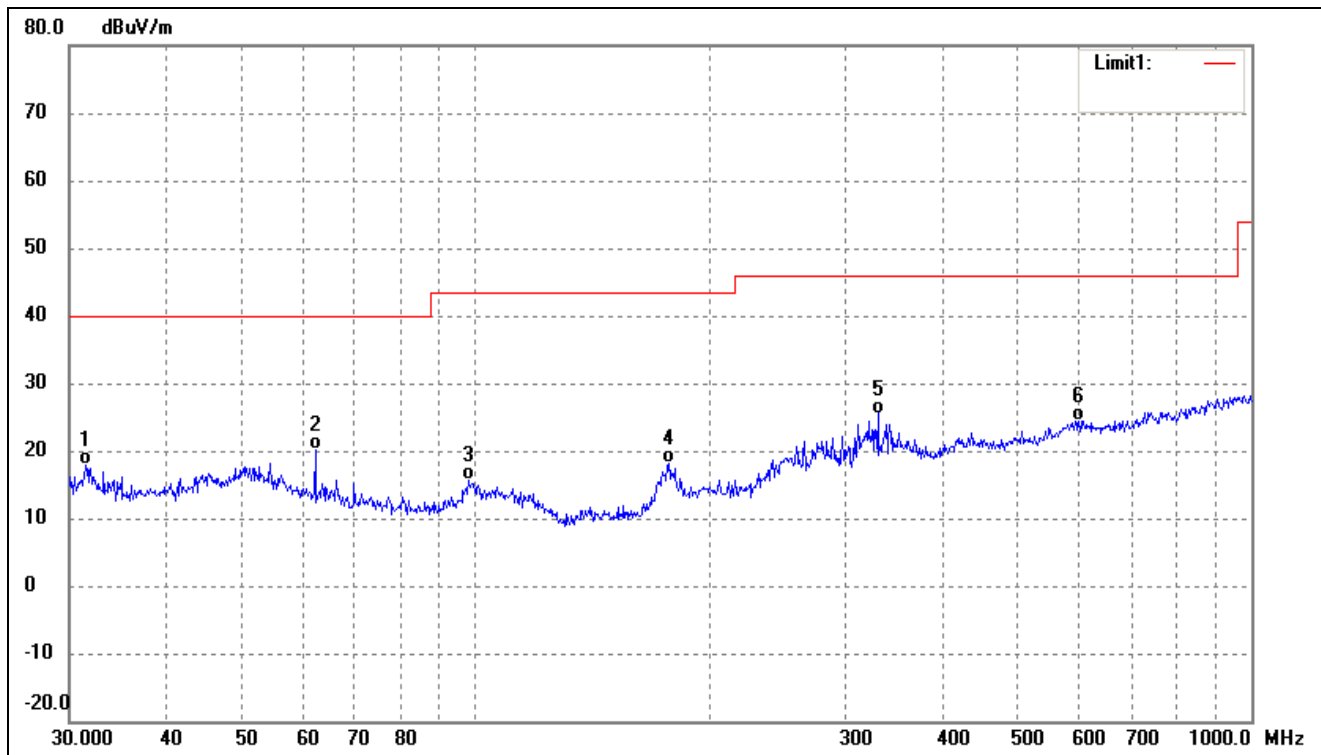
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 30.6379            | 35.22               | -14.42          | 20.80              | 40.00             | -19.20         |               |                | QP     |
| 2   | 51.4807            | 30.55               | -11.33          | 19.22              | 40.00             | -20.78         |               |                | QP     |
| 3   | 96.0986            | 38.81               | -14.07          | 24.74              | 43.50             | -18.76         |               |                | QP     |
| 4   | 158.1123           | 32.89               | -15.57          | 17.32              | 43.50             | -26.18         |               |                | QP     |
| 5   | 285.9778           | 36.06               | -9.97           | 26.09              | 46.00             | -19.91         |               |                | QP     |
| 6   | 588.9051           | 28.91               | -4.13           | 24.78              | 46.00             | -21.22         |               |                | QP     |

|            |     |           |          |
|------------|-----|-----------|----------|
| Test mode: | TM4 | Polarity: | Vertical |
|------------|-----|-----------|----------|



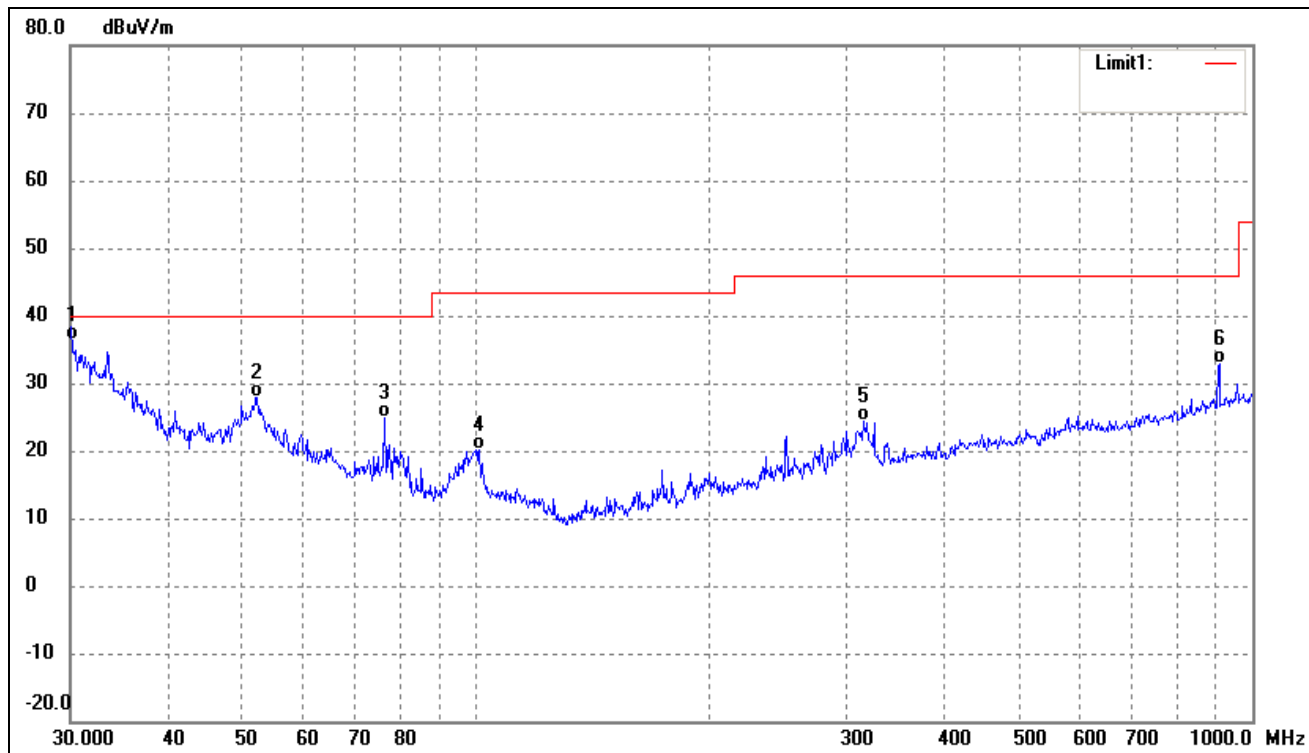
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 30.3173            | 51.00               | -14.50          | 36.50              | 40.00             | -3.50          | 179           | 100            | QP     |
| 2   | 51.8430            | 40.98               | -11.42          | 29.56              | 40.00             | -10.44         | 145           | 100            | QP     |
| 3   | 95.0930            | 38.93               | -14.29          | 24.64              | 43.50             | -18.86         | 95            | 100            | QP     |
| 4   | 171.3926           | 38.98               | -14.85          | 24.13              | 43.50             | -19.37         | 350           | 100            | QP     |
| 5   | 236.6447           | 38.58               | -11.71          | 26.87              | 46.00             | -19.13         | 95            | 100            | QP     |
| 6   | 341.9786           | 36.17               | -8.51           | 27.66              | 46.00             | -18.34         | 327           | 100            | QP     |

|            |     |           |            |
|------------|-----|-----------|------------|
| Test mode: | TM5 | Polarity: | Horizontal |
|------------|-----|-----------|------------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 31.5095            | 32.07               | -14.20          | 17.87              | 40.00             | -22.13         | 225           | 100            | QP     |
| 2   | 62.2128            | 33.82               | -13.66          | 20.16              | 40.00             | -19.84         | 136           | 100            | QP     |
| 3   | 98.1419            | 29.18               | -13.61          | 15.57              | 43.50             | -27.93         | 83            | 100            | QP     |
| 4   | 177.5092           | 32.87               | -14.67          | 18.20              | 43.50             | -25.30         | 132           | 100            | QP     |
| 5   | 330.1949           | 34.62               | -9.12           | 25.50              | 46.00             | -20.50         | 205           | 100            | QP     |
| 6   | 599.3212           | 28.48               | -4.03           | 24.45              | 46.00             | -21.55         | 219           | 100            | QP     |

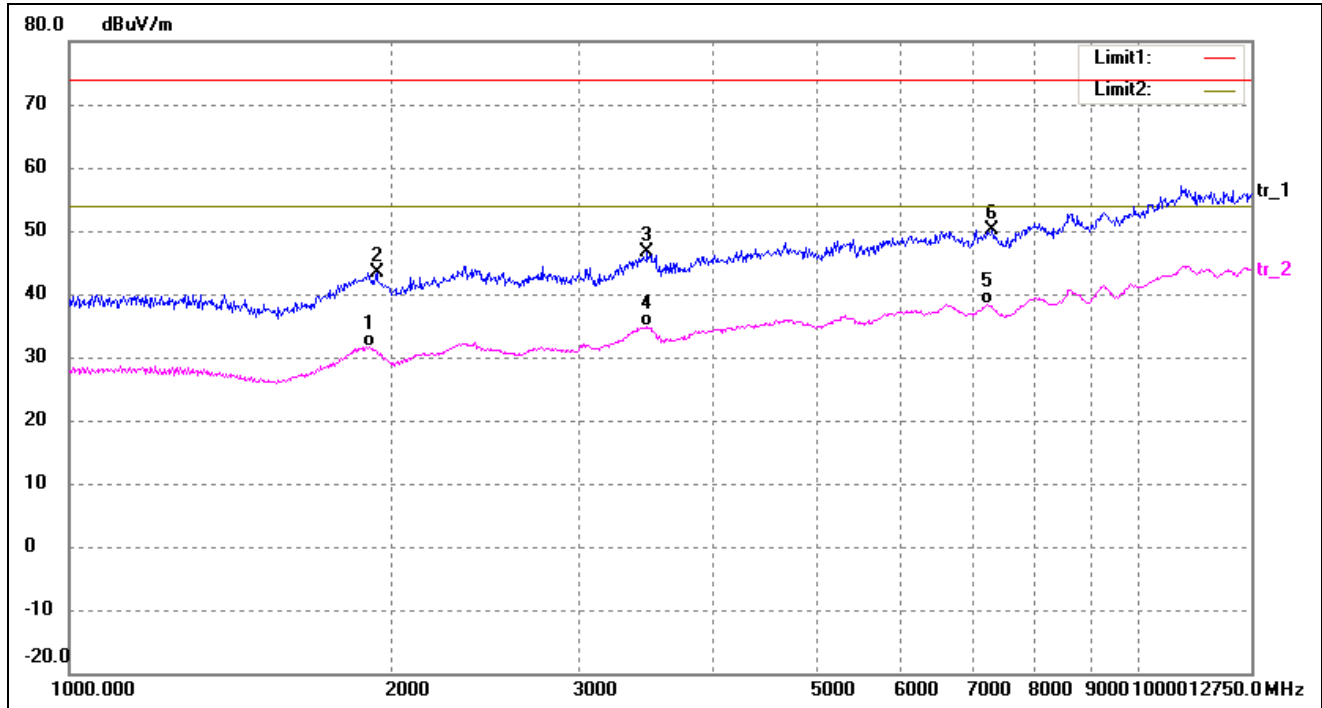
|            |     |           |          |
|------------|-----|-----------|----------|
| Test mode: | TM5 | Polarity: | Vertical |
|------------|-----|-----------|----------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 30.1054            | 50.95               | -14.55          | 36.40              | 40.00             | -3.60          | 246           | 100            | QP     |
| 2   | 52.2079            | 39.35               | -11.50          | 27.85              | 40.00             | -12.15         | 91            | 100            | QP     |
| 3   | 76.2442            | 40.08               | -15.22          | 24.86              | 40.00             | -15.14         | 61            | 100            | QP     |
| 4   | 100.9339           | 33.40               | -13.17          | 20.23              | 43.50             | -23.27         | 94            | 100            | QP     |
| 5   | 315.4808           | 33.67               | -9.32           | 24.35              | 46.00             | -21.65         | 79            | 100            | QP     |
| 6   | 906.4824           | 33.33               | -0.47           | 32.86              | 46.00             | -13.14         | 165           | 100            | QP     |

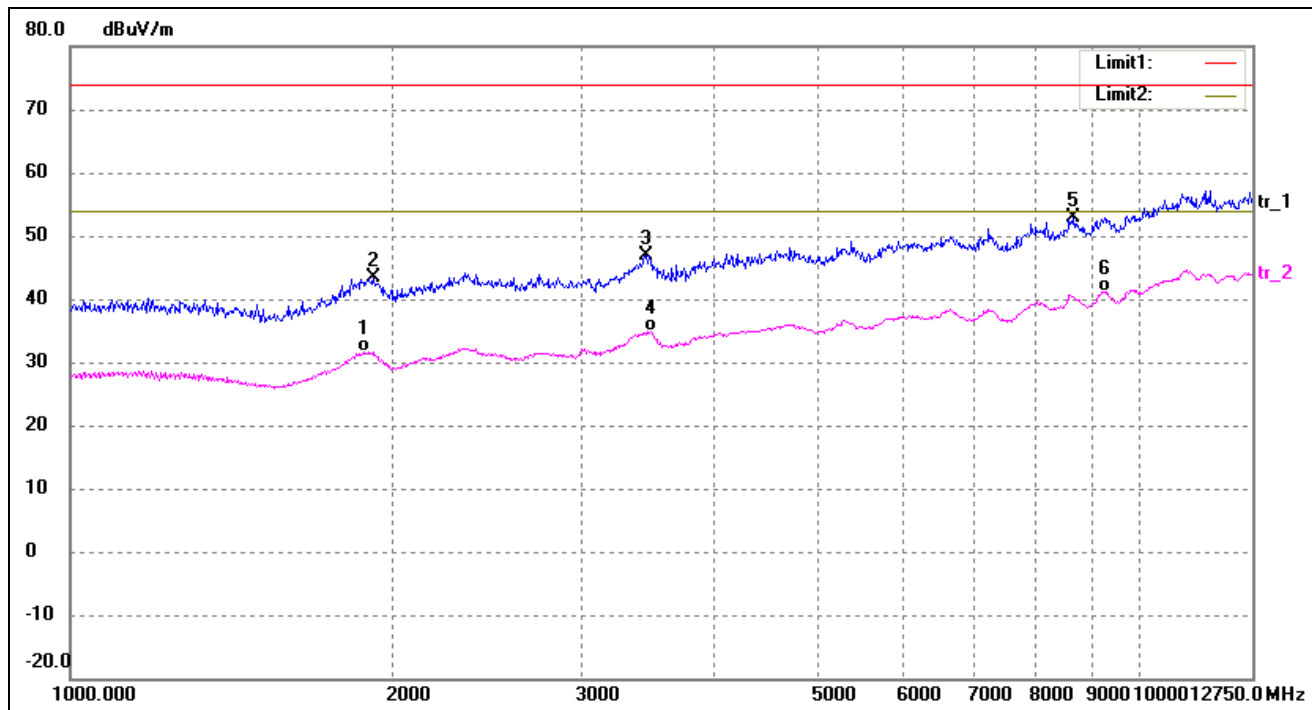
➤ Above 1GHz

|            |                 |           |            |
|------------|-----------------|-----------|------------|
| Test mode: | TM1(worst case) | Polarity: | Horizontal |
|------------|-----------------|-----------|------------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 1908.972           | 40.41               | -8.71           | 31.70              | 54.00             | -22.30         | 230           | 100            | AVG    |
| 2   | 1938.352           | 52.55               | -9.21           | 43.34              | 74.00             | -30.66         | 91            | 100            | peak   |
| 3   | 3472.118           | 53.96               | -7.28           | 46.68              | 74.00             | -27.32         | 209           | 100            | peak   |
| 4   | 3472.118           | 42.10               | -7.28           | 34.82              | 54.00             | -19.18         | 107           | 100            | AVG    |
| 5   | 7227.389           | 40.52               | -2.20           | 38.32              | 54.00             | -15.68         | 179           | 100            | AVG    |
| 6   | 7301.355           | 52.40               | -2.17           | 50.23              | 74.00             | -23.77         | 238           | 100            | peak   |

|            |                 |           |          |
|------------|-----------------|-----------|----------|
| Test mode: | TM1(worst case) | Polarity: | Vertical |
|------------|-----------------|-----------|----------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 1884.829           | 40.24               | -8.68           | 31.56              | 54.00             | -22.44         | 224           | 100            | AVG    |
| 2   | 1918.716           | 52.30               | -8.88           | 43.42              | 74.00             | -30.58         | 93            | 100            | peak   |
| 3   | 3454.486           | 54.30               | -7.33           | 46.97              | 74.00             | -27.03         | 329           | 100            | peak   |
| 4   | 3489.840           | 42.04               | -7.22           | 34.82              | 54.00             | -19.18         | 97            | 100            | AVG    |
| 5   | 8681.168           | 52.61               | 0.15            | 52.76              | 74.00             | -21.24         | 187           | 100            | peak   |
| 6   | 9275.160           | 39.99               | 1.23            | 41.22              | 54.00             | -12.78         | 252           | 100            | AVG    |

\*\*\*\*\* END OF REPORT \*\*\*\*\*