



**中认信通**

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



## TEST REPORT

**Applicant:** Shanghai Sunmi Technology Co.,Ltd.

**Address:** Room 505, No. 388 Song Hu Road, Yang Pu District, Shanghai, China

**FCC ID:** 2AH25T8910B

**Product Name:** Handheld Wireless Terminal

**Model Number:** T8910

**Standard(s):** 47 CFR Part 15 Subpart B  
ANSI C63.4-2014

The above equipment has been tested and found compliance with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

**Report Number:** CR22050079-00A

**Date Of Issue:** 2022-08-16

**Reviewed By:** Sun Zhong *Sun Zhong*

**Title:** Manager

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## Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

## Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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## 1. GENERAL INFORMATION

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

|                                                                                                                                                                |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>EUT Name:</b>                                                                                                                                               | Handheld Wireless Terminal                                                          |
| <b>EUT Model:</b>                                                                                                                                              | T8910                                                                               |
| <b>Highest Operation Frequency:</b>                                                                                                                            | 5825 MHz                                                                            |
| <b>Rated Input Voltage:</b>                                                                                                                                    | DC 5V charging from adapter and DC 3.8V by battery                                  |
| <b>Serial Number:</b>                                                                                                                                          | CR220050079-RF-S1(Type-1)<br>CR220050079-RF-S2(Type-2)<br>CR220050079-RF-S3(Type-3) |
| <b>EUT Received Date:</b>                                                                                                                                      | 2022.05.25                                                                          |
| <b>EUT Received Status:</b>                                                                                                                                    | Good                                                                                |
| Note: The EUT model has three configurations that Type-1 is code scanner model 3603, Type-2 is code scanner model 4170 and Type-3 is code scanner model NG001. |                                                                                     |

### Accessory Information:

| Accessory Description | Manufacturer                          | Model             | Parameters                                                 |
|-----------------------|---------------------------------------|-------------------|------------------------------------------------------------|
| Adapter 1             | SHENZHEN TIANYIN ELECTRONICS CO.,LTD. | TPA-23A050200UU01 | Input: AC 100-240V~50/60Hz 0.3A<br>Output: DC 5.0V, 2000mA |
| Adapter 2             | JIANGSU CHENYANG ELECTRON CO.,LTD.    | UC13US            | Input: 100-240V~50/60Hz 0.35A<br>Output: DC 5.0V, 2A       |
| USB Cable             | Unknown                               | Unknown           | Unshielded, 1.2m                                           |

## 1.2 Description of Test Configuration

### 1.2.1 EUT Operation Condition:

|                                 |                                                                                                                                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EUT Operation Mode:</b>      | The system was configured for testing in Typical Use Mode, which was provided by the manufacturer.<br>Test Mode:<br>M1: Normal working & Charging with Adapter 1<br>M2: Normal working & Charging with Adapter 2<br>M3: Downloading |
| <b>Equipment Modifications:</b> | No                                                                                                                                                                                                                                  |
| <b>EUT Exercise Software:</b>   | No                                                                                                                                                                                                                                  |

### 1.2.2 Support Equipment List and Details

| Manufacturer | Description | Model     | Serial Number                |
|--------------|-------------|-----------|------------------------------|
| PHILIPS      | Keyboard    | SPT6234   | K234210510746                |
| PHILIPS      | Mouse       | SPT6234   | C234210506222                |
| DELL         | Laptop      | E6410     | GYXJ3 A00 JSD2               |
| DELL         | Adapter     | HA65NM130 | CN-OFPC2Y-CH200-14M-061U-A07 |

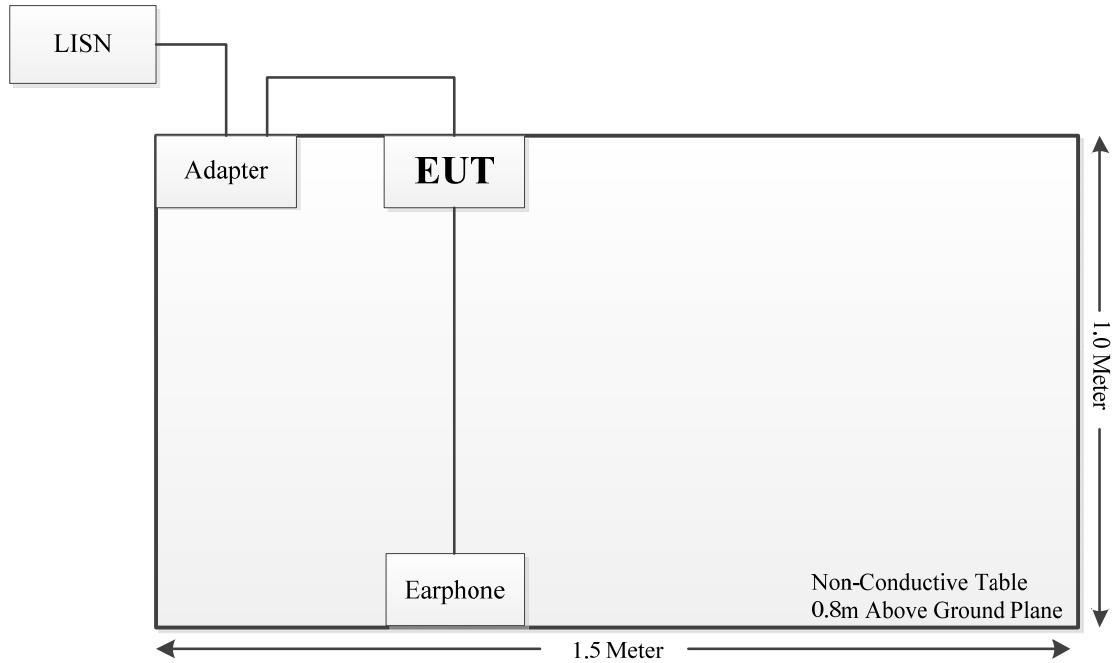
### 1.2.3 Support Cable List and Details

| Cable Description | Shielding Type | Ferrite Core | Length (m) | From Port | To      |
|-------------------|----------------|--------------|------------|-----------|---------|
| Power Cable       | No             | No           | 1.2        | Adapter   | LISN    |
| Power Cable       | No             | Yes          | 1.5        | Laptop    | Adapter |
| Mouse Cable       | No             | No           | 1.5        | Mouse     | Laptop  |
| Keyboard Cable    | No             | No           | 1.5        | Keyboard  | Laptop  |
| RJ45 Cable        | No             | No           | 1          | Laptop    | Router  |

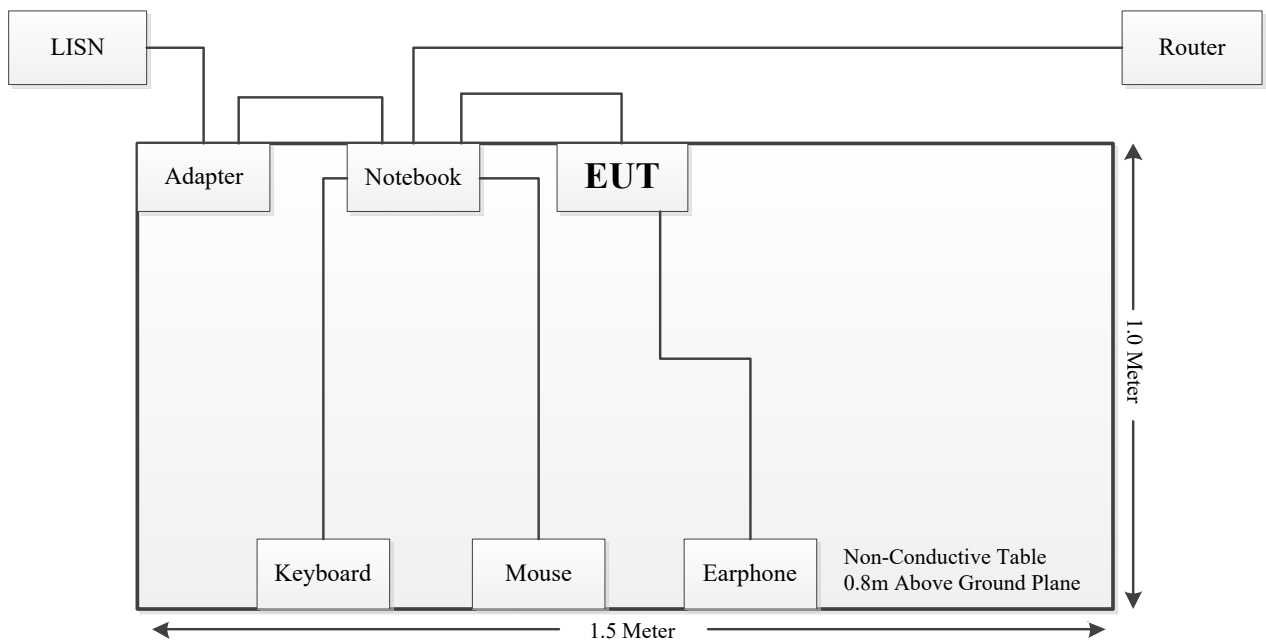
### 1.2.4 Block Diagram of Test Setup

Conducted emissions:

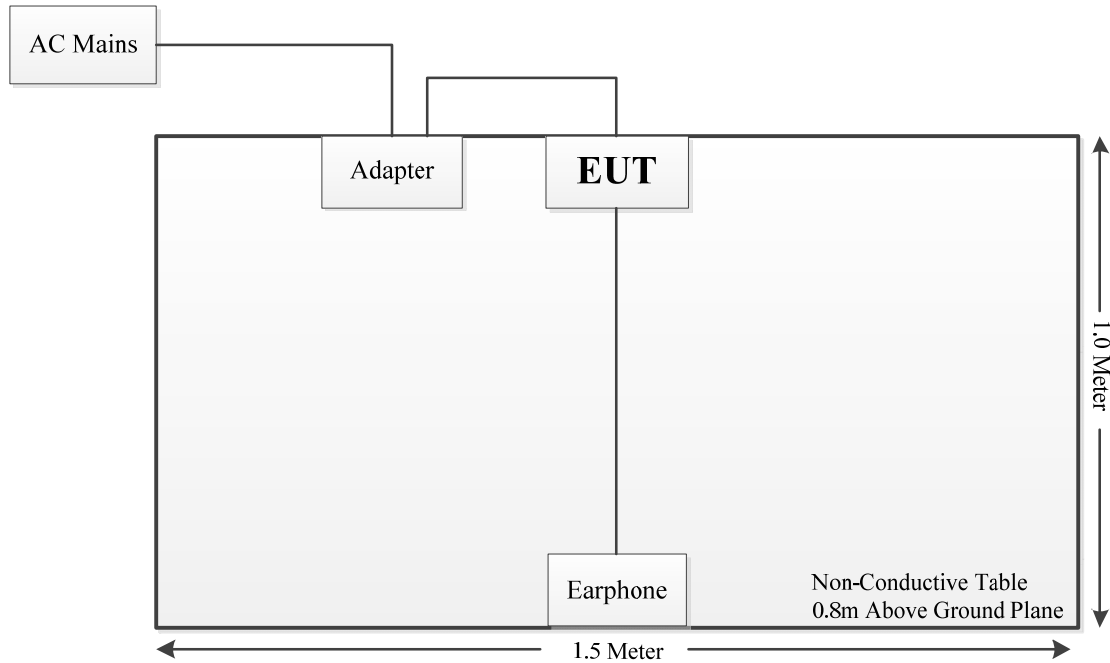
M1&M2



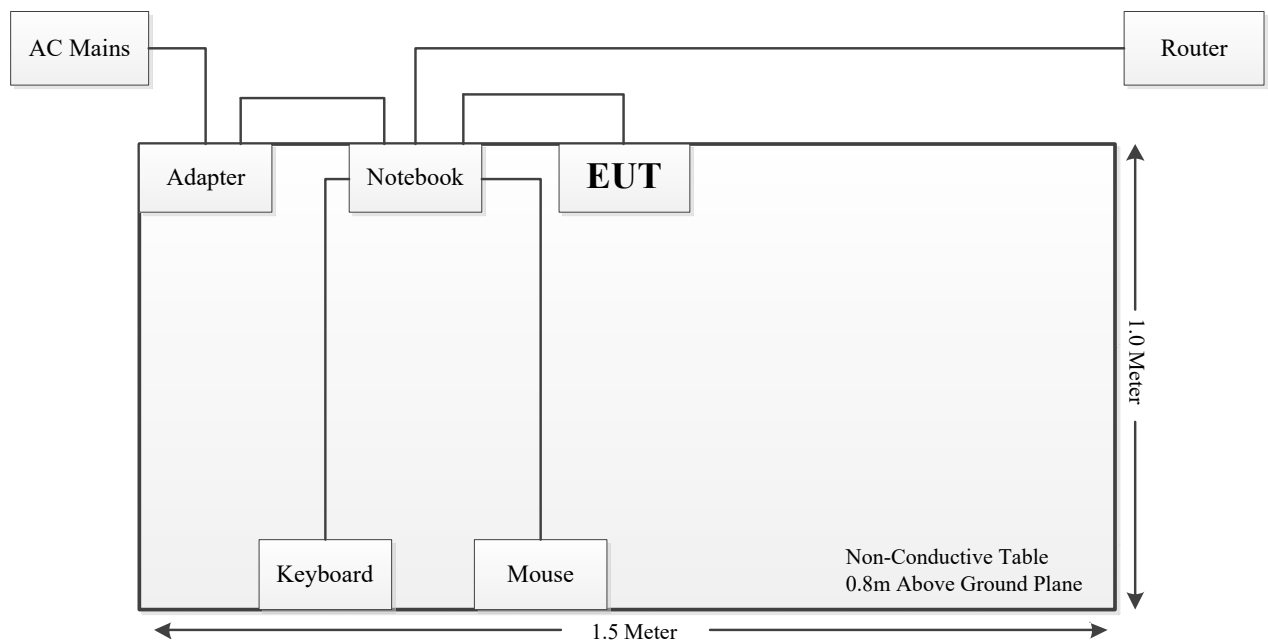
M3:



Radiated emissions:  
M1&M2



M3:



### 1.3 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

| Parameter                         | Measurement Uncertainty                                                                                                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Unwanted Emissions, radiated      | 30M~200MHz: 4.15 dB, 200M~1GHz: 5.61 dB, 1G~6GHz: 5.14 dB,<br>6G~18GHz: 5.93 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB |
| Temperature                       | $\pm 1^{\circ}\text{C}$                                                                                                 |
| Humidity                          | $\pm 5\%$                                                                                                               |
| AC Power Lines Conducted Emission | 2.8 dB (150 kHz to 30 MHz)                                                                                              |

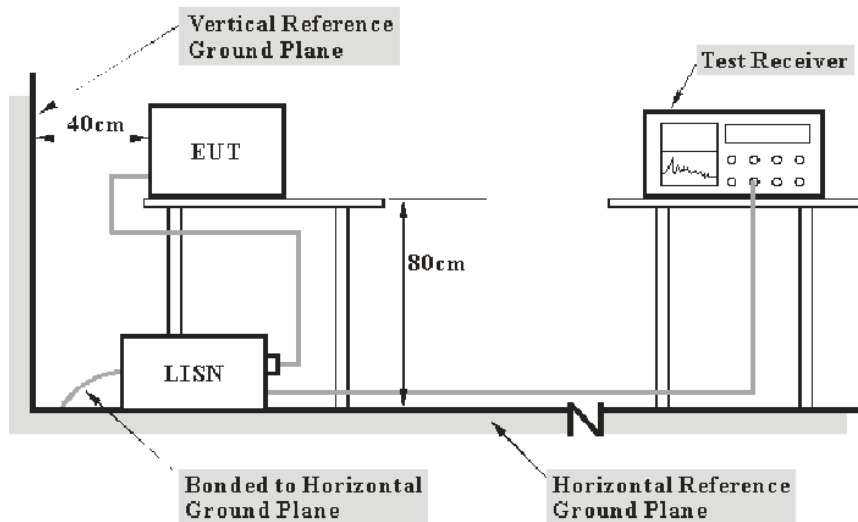
## 2. SUMMARY OF TEST RESULTS

| Standard(s) Section | Description of Test | Result    |
|---------------------|---------------------|-----------|
| §15.107             | Conducted emissions | Compliant |
| §15.109             | Radiated emissions  | Compliant |

### 3. REQUIREMENTS AND TEST PROCEDURES

#### 3.1 AC Line Conducted Emissions

##### 3.1.1 EUT Setup



Note: 1. Support units were connected to second LISN.  
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B Class B limits.

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

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

##### 3.1.2 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range  | IF B/W |
|------------------|--------|
| 150 kHz – 30 MHz | 9 kHz  |

### 3.1.3 Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT, the report shall list the six emissions with the smallest margin relative to the limit, unless the margin is greater than 20 dB.

All data was recorded in the Quasi-peak and average detection mode.

The report shall list the six emissions with the smallest margin relative to the limit, unless the margin is greater than 20 dB.

### 3.1.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = attenuation caused by cable loss + voltage division factor of AMN

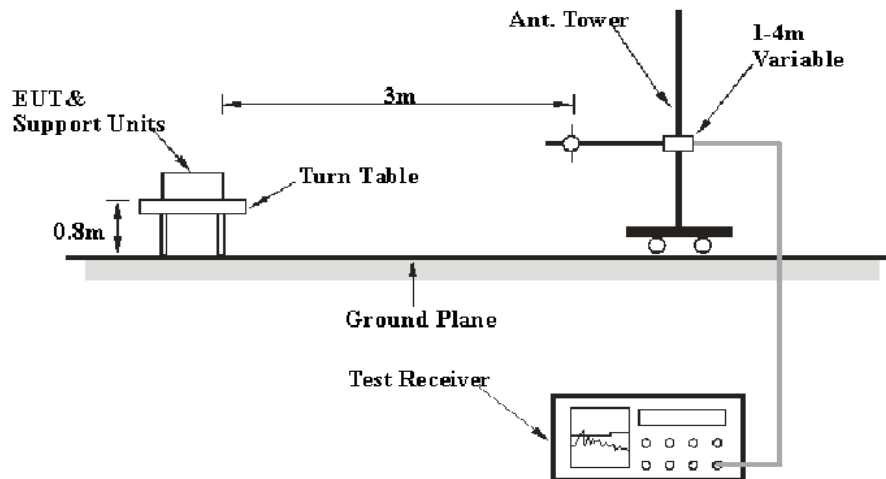
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

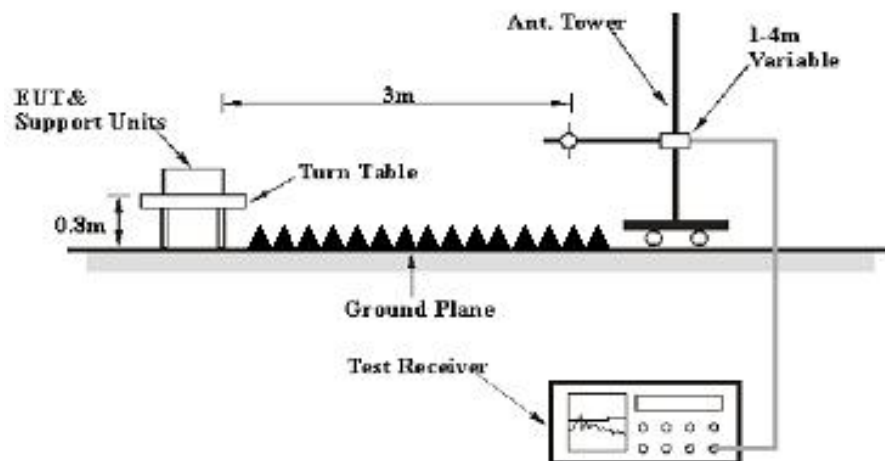
## 3.2 Radiation Spurious Emissions

### 3.2.1 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was with the FCC Part 15 B Class B limits.

### 3.2.2 EMI Test Receiver Setup

The system was investigated from 30 MHz to 30 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

| Frequency Range   | RBW     | Video B/W | IF B/W  | Detector |
|-------------------|---------|-----------|---------|----------|
| 30 MHz – 1000 MHz | 120 kHz | 300 kHz   | 120 kHz | QP       |
| Above 1 GHz       | 1 MHz   | 3 MHz     | /       | Peak     |
|                   | 1 MHz   | 3 MHz     | /       | AVG      |

If the maximized peak measured value complies with under the limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

### 3.2.3 Test Procedure

During the radiated emissions, the adapter was connected to the first AC floor outlet and the other support equipments were connected to the second AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The data was recorded in the Quasi-peak detection mode for below 1 GHz, peak and average detection mode above 1 GHz.

All emissions under the average limit and under the noise floor have not recorded in the report.

### 3.2.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = Antenna Factor + Cable Loss- Amplifier Gain

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

## 4. TEST DATA AND RESULTS

### 4.1 AC Line Conducted Emissions

|                |                                                                                     |              |                       |
|----------------|-------------------------------------------------------------------------------------|--------------|-----------------------|
| Serial Number: | CR220050079-RF-S1(Type-1)<br>CR220050079-RF-S2(Type-2)<br>CR220050079-RF-S3(Type-3) | Test Date:   | 2022-07-27~2022-08-12 |
| Test Site:     | CE                                                                                  | Test Mode:   | M1, M2, M3            |
| Tester:        | Vic Du                                                                              | Test Result: | Pass                  |

#### Environmental Conditions:

|                      |           |                              |       |                        |             |
|----------------------|-----------|------------------------------|-------|------------------------|-------------|
| Temperature:<br>(°C) | 27.1~27.8 | Relative<br>Humidity:<br>(%) | 60~70 | ATM Pressure:<br>(kPa) | 100.1~100.2 |
|----------------------|-----------|------------------------------|-------|------------------------|-------------|

#### Test Equipment List and Details:

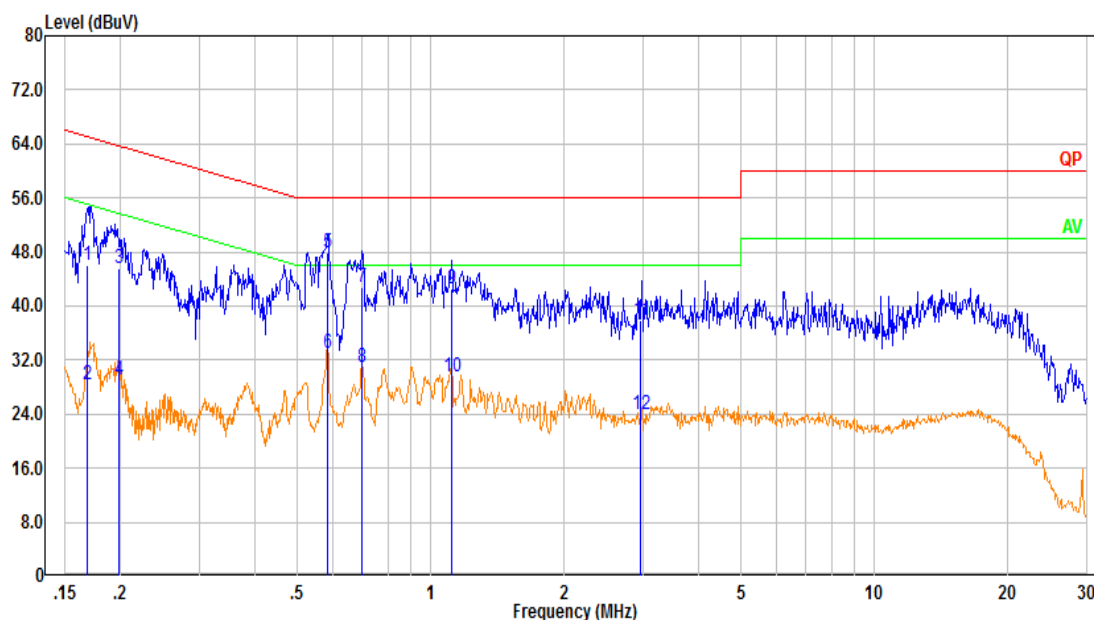
| Manufacturer | Description       | Model   | Serial Number | Calibration Date | Calibration Due Date |
|--------------|-------------------|---------|---------------|------------------|----------------------|
| R&S          | LISN              | ENV216  | 101134        | 2022-04-01       | 2023-03-31           |
| R&S          | LISN              | ENV216  | 101132        | 2022-04-01       | 2023-03-31           |
| R&S          | EMI Test Receiver | ESR3    | 102726        | 2022-07-15       | 2023-07-14           |
| MICRO-COAX   | Coaxial Cable     | UTIFLEX | C-0200-01     | 2021-08-08       | 2022-08-07           |
| MICRO-COAX   | Coaxial Cable     | UTIFLEX | C-0200-01     | 2022-08-07       | 2023-08-06           |
| Audix        | Test Software     | E3      | 190306 (V9)   | N/A              | N/A                  |

\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Type-1 was the worst:**

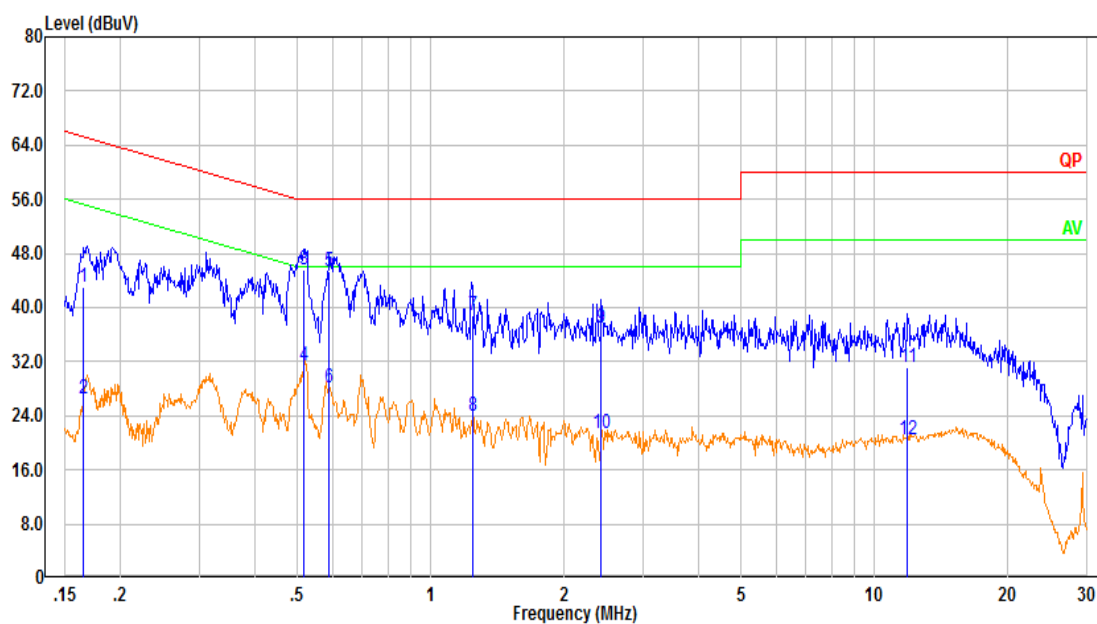
**M1**

Line:



| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB) | Result<br>(dBμV) | Limit<br>(dBμV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|----------------|------------------|-----------------|----------------|----------|
| 1   | 0.168              | 36.39             | 9.61           | 46.00            | 65.08           | 19.08          | QP       |
| 2   | 0.168              | 18.68             | 9.61           | 28.29            | 55.08           | 26.79          | Average  |
| 3   | 0.199              | 36.01             | 9.61           | 45.62            | 63.67           | 18.05          | QP       |
| 4   | 0.199              | 19.37             | 9.61           | 28.98            | 53.67           | 24.69          | Average  |
| 5   | 0.586              | 38.21             | 9.62           | 47.82            | 56.00           | 8.18           | QP       |
| 6   | 0.586              | 23.39             | 9.62           | 33.01            | 46.00           | 12.99          | Average  |
| 7   | 0.698              | 33.06             | 9.62           | 42.68            | 56.00           | 13.32          | QP       |
| 8   | 0.698              | 21.28             | 9.62           | 30.90            | 46.00           | 15.10          | Average  |
| 9   | 1.112              | 32.94             | 9.62           | 42.56            | 56.00           | 13.44          | QP       |
| 10  | 1.112              | 19.80             | 9.62           | 29.42            | 46.00           | 16.58          | Average  |
| 11  | 2.974              | 28.34             | 9.65           | 37.99            | 56.00           | 18.01          | QP       |
| 12  | 2.974              | 14.22             | 9.65           | 23.87            | 46.00           | 22.13          | Average  |

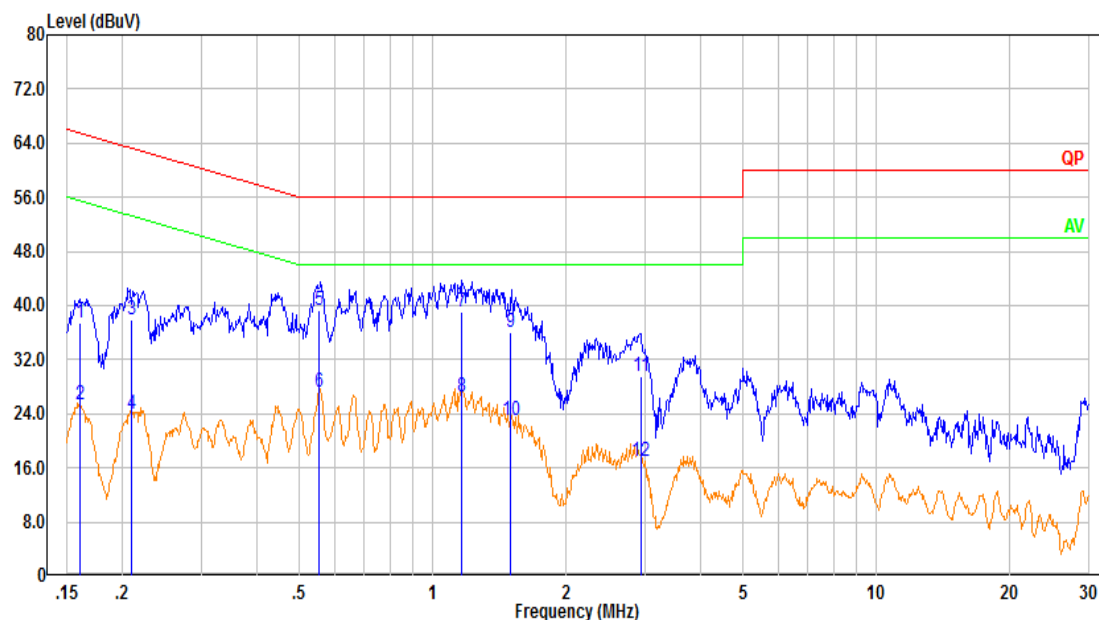
Neutral:



| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB) | Result<br>(dBμV) | Limit<br>(dBμV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|----------------|------------------|-----------------|----------------|----------|
| 1   | 0.165              | 33.48             | 9.61           | 43.09            | 65.23           | 22.14          | QP       |
| 2   | 0.165              | 17.02             | 9.61           | 26.63            | 55.23           | 28.60          | Average  |
| 3   | 0.518              | 36.06             | 9.61           | 45.67            | 56.00           | 10.33          | QP       |
| 4   | 0.518              | 21.75             | 9.61           | 31.37            | 46.00           | 14.63          | Average  |
| 5   | 0.589              | 35.62             | 9.62           | 45.24            | 56.00           | 10.76          | QP       |
| 6   | 0.589              | 18.58             | 9.62           | 28.20            | 46.00           | 17.80          | Average  |
| 7   | 1.239              | 29.15             | 9.62           | 38.77            | 56.00           | 17.23          | QP       |
| 8   | 1.239              | 14.29             | 9.62           | 23.91            | 46.00           | 22.09          | Average  |
| 9   | 2.421              | 27.33             | 9.64           | 36.97            | 56.00           | 19.03          | QP       |
| 10  | 2.421              | 11.83             | 9.64           | 21.47            | 46.00           | 24.53          | Average  |
| 11  | 11.888             | 21.45             | 9.67           | 31.12            | 60.00           | 28.88          | QP       |
| 12  | 11.888             | 10.74             | 9.67           | 20.41            | 50.00           | 29.59          | Average  |

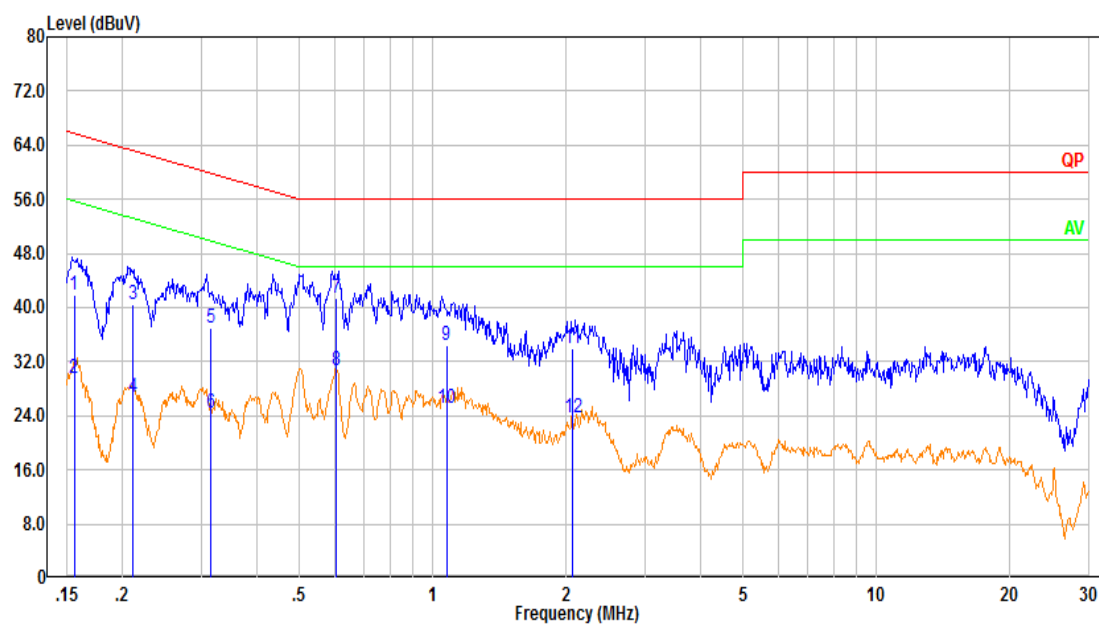
M2

Line:



| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB) | Result<br>(dBμV) | Limit<br>(dBμV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|----------------|------------------|-----------------|----------------|----------|
| 1   | 0.160              | 27.94             | 9.61           | 37.55            | 65.48           | 27.93          | QP       |
| 2   | 0.160              | 15.78             | 9.61           | 25.39            | 55.48           | 30.09          | Average  |
| 3   | 0.209              | 28.31             | 9.61           | 37.92            | 63.26           | 25.34          | QP       |
| 4   | 0.209              | 14.39             | 9.61           | 24.00            | 53.26           | 29.26          | Average  |
| 5   | 0.553              | 29.76             | 9.62           | 39.37            | 56.00           | 16.63          | QP       |
| 6   | 0.553              | 17.58             | 9.62           | 27.20            | 46.00           | 18.80          | Average  |
| 7   | 1.165              | 29.51             | 9.62           | 39.13            | 56.00           | 16.87          | QP       |
| 8   | 1.165              | 16.86             | 9.62           | 26.48            | 46.00           | 19.52          | Average  |
| 9   | 1.492              | 26.39             | 9.62           | 36.02            | 56.00           | 19.98          | QP       |
| 10  | 1.492              | 13.34             | 9.62           | 22.97            | 46.00           | 23.03          | Average  |
| 11  | 2.939              | 19.87             | 9.65           | 29.52            | 56.00           | 26.48          | QP       |
| 12  | 2.939              | 7.22              | 9.65           | 16.86            | 46.00           | 29.14          | Average  |

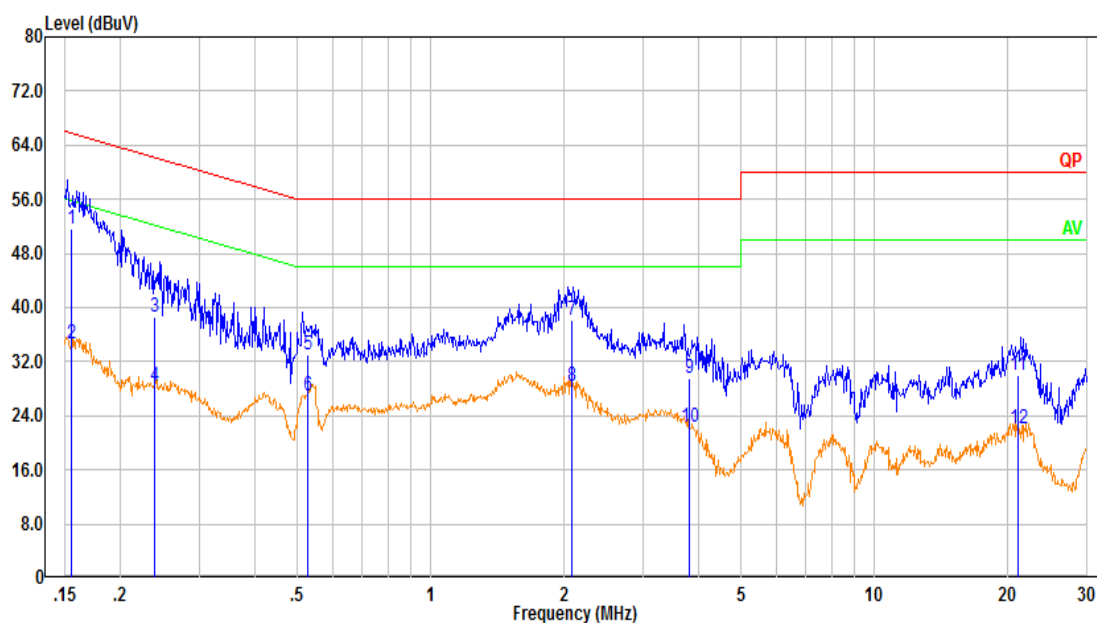
Neutral:



| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB) | Result<br>(dBμV) | Limit<br>(dBμV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|----------------|------------------|-----------------|----------------|----------|
| 1   | 0.155              | 32.27             | 9.61           | 41.88            | 65.71           | 23.83          | QP       |
| 2   | 0.155              | 19.91             | 9.61           | 29.52            | 55.71           | 26.19          | Average  |
| 3   | 0.210              | 30.82             | 9.61           | 40.43            | 63.20           | 22.77          | QP       |
| 4   | 0.210              | 17.13             | 9.61           | 26.74            | 53.20           | 26.46          | Average  |
| 5   | 0.315              | 27.26             | 9.61           | 36.87            | 59.85           | 22.98          | QP       |
| 6   | 0.315              | 14.70             | 9.61           | 24.31            | 49.85           | 25.54          | Average  |
| 7   | 0.605              | 31.68             | 9.62           | 41.30            | 56.00           | 14.70          | QP       |
| 8   | 0.605              | 21.03             | 9.62           | 30.65            | 46.00           | 15.35          | Average  |
| 9   | 1.073              | 24.80             | 9.62           | 34.42            | 56.00           | 21.58          | QP       |
| 10  | 1.073              | 15.47             | 9.62           | 25.09            | 46.00           | 20.91          | Average  |
| 11  | 2.064              | 24.31             | 9.63           | 33.94            | 56.00           | 22.06          | QP       |
| 12  | 2.064              | 14.06             | 9.63           | 23.69            | 46.00           | 22.31          | Average  |

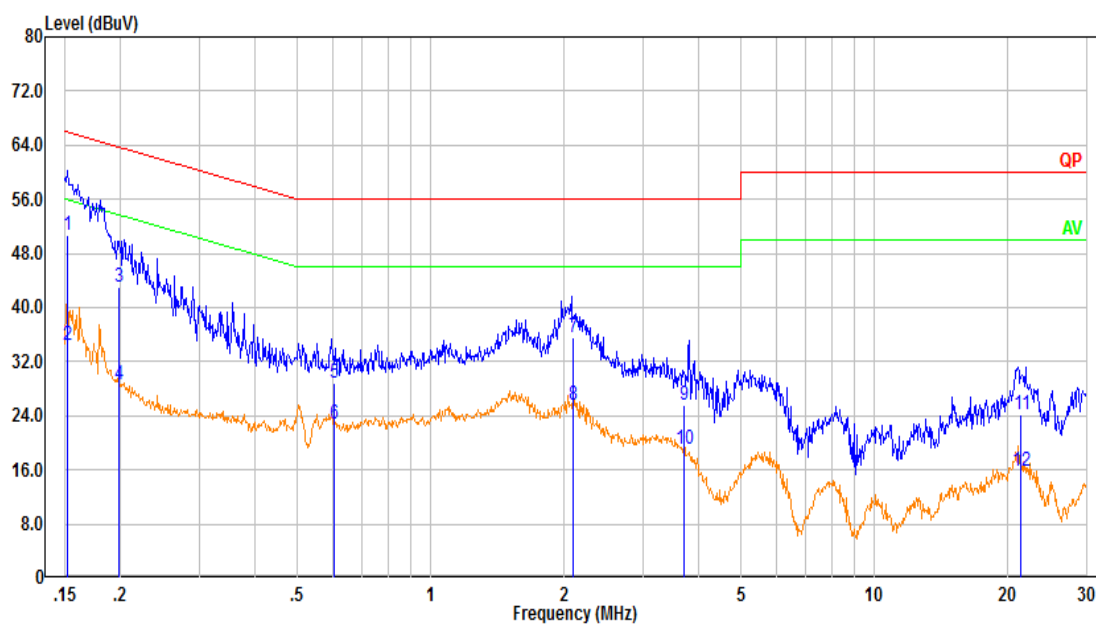
M3

Line:



| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB) | Result<br>(dBμV) | Limit<br>(dBμV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|----------------|------------------|-----------------|----------------|----------|
| 1   | 0.155              | 41.92             | 9.61           | 51.53            | 65.75           | 14.22          | QP       |
| 2   | 0.155              | 25.04             | 9.61           | 34.65            | 55.75           | 21.10          | Average  |
| 3   | 0.239              | 28.96             | 9.61           | 38.57            | 62.15           | 23.58          | QP       |
| 4   | 0.239              | 18.78             | 9.61           | 28.39            | 52.15           | 23.76          | Average  |
| 5   | 0.527              | 23.47             | 9.61           | 33.08            | 56.00           | 22.92          | QP       |
| 6   | 0.527              | 17.36             | 9.61           | 26.97            | 46.00           | 19.03          | Average  |
| 7   | 2.079              | 28.42             | 9.63           | 38.05            | 56.00           | 17.95          | QP       |
| 8   | 2.079              | 18.75             | 9.63           | 28.38            | 46.00           | 17.62          | Average  |
| 9   | 3.814              | 19.84             | 9.65           | 29.49            | 56.00           | 26.51          | QP       |
| 10  | 3.814              | 12.59             | 9.65           | 22.24            | 46.00           | 23.76          | Average  |
| 11  | 21.081             | 20.14             | 9.80           | 29.94            | 60.00           | 30.06          | QP       |
| 12  | 21.081             | 12.18             | 9.80           | 21.98            | 50.00           | 28.02          | Average  |

Neutral:



| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB) | Result<br>(dBμV) | Limit<br>(dBμV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|----------------|------------------|-----------------|----------------|----------|
| 1   | 0.152              | 41.13             | 9.61           | 50.74            | 65.90           | 15.16          | QP       |
| 2   | 0.152              | 24.72             | 9.61           | 34.33            | 55.90           | 21.57          | Average  |
| 3   | 0.198              | 33.50             | 9.61           | 43.11            | 63.70           | 20.59          | QP       |
| 4   | 0.198              | 18.94             | 9.61           | 28.55            | 53.70           | 25.15          | Average  |
| 5   | 0.606              | 19.17             | 9.62           | 28.79            | 56.00           | 27.21          | QP       |
| 6   | 0.606              | 13.28             | 9.62           | 22.90            | 46.00           | 23.10          | Average  |
| 7   | 2.099              | 25.94             | 9.63           | 35.57            | 56.00           | 20.43          | QP       |
| 8   | 2.099              | 16.01             | 9.63           | 25.64            | 46.00           | 20.36          | Average  |
| 9   | 3.715              | 15.98             | 9.65           | 25.63            | 56.00           | 30.37          | QP       |
| 10  | 3.715              | 9.42              | 9.65           | 19.07            | 46.00           | 26.93          | Average  |
| 11  | 21.427             | 14.55             | 9.72           | 24.27            | 60.00           | 35.73          | QP       |
| 12  | 21.427             | 6.14              | 9.72           | 15.86            | 50.00           | 34.14          | Average  |

**4.2 Radiation Spurious Emissions**

|                |                                                                                     |              |                       |
|----------------|-------------------------------------------------------------------------------------|--------------|-----------------------|
| Serial Number: | CR220050079-RF-S1(Type-1)<br>CR220050079-RF-S2(Type-2)<br>CR220050079-RF-S3(Type-3) | Test Date:   | 2022-08-01~2022-08-15 |
| Test Site:     | 966-1, 966-2                                                                        | Test Mode:   | M1-M3                 |
| Tester:        | Mack Huang, Gary Ling                                                               | Test Result: | Pass                  |

**Environmental Conditions:**

|                      |           |                              |       |                        |            |
|----------------------|-----------|------------------------------|-------|------------------------|------------|
| Temperature:<br>(°C) | 23.8~30.7 | Relative<br>Humidity:<br>(%) | 58~65 | ATM Pressure:<br>(kPa) | 99.9~100.1 |
|----------------------|-----------|------------------------------|-------|------------------------|------------|

**Test Equipment List and Details:**

| Manufacturer    | Description       | Model                 | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|-------------------|-----------------------|---------------|------------------|----------------------|
| Sunol Sciences  | Antenna           | JB6                   | A082520-5     | 2020-10-19       | 2023-10-18           |
| R&S             | EMI Test Receiver | ESR3                  | 102724        | 2022-07-15       | 2023-07-14           |
| TIMES MICROWAVE | Coaxial Cable     | LMR-600-UltraFlex     | C-0470-02     | 2022-07-17       | 2023-07-16           |
| TIMES MICROWAVE | Coaxial Cable     | LMR-600-UltraFlex     | C-0780-01     | 2022-07-17       | 2023-07-16           |
| Sonoma          | Amplifier         | 310N                  | 186165        | 2022-07-17       | 2023-07-16           |
| Audix           | Test Software     | E3                    | 201021 (V9)   | N/A              | N/A                  |
| ETS-Lindgren    | Horn Antenna      | 3115                  | 9912-5985     | 2020-10-13       | 2023-10-12           |
| PASTERNAK       | Horn Antenna      | PE9852/2F-20          | 112002        | 2021-02-05       | 2024-02-04           |
| PASTERNAK       | Horn Antenna      | PE9850/2F-20          | 072001        | 2021-02-05       | 2024-02-04           |
| R&S             | Spectrum Analyzer | FSV40                 | 101591        | 2022-07-15       | 2023-07-14           |
| MICRO-COAX      | Coaxial Cable     | UFA210A-1-1200-70U300 | 217423-008    | 2021-08-08       | 2022-08-07           |
| MICRO-COAX      | Coaxial Cable     | UFA210A-1-2362-300300 | 235780-001    | 2021-08-08       | 2022-08-07           |
| MICRO-COAX      | Coaxial Cable     | UFB142A-1-2362-200200 | 235772-001    | 2021-08-08       | 2022-08-07           |
| Mini            | Pre-amplifier     | ZVA-183-S+            | 5969001149    | 2021-11-10       | 2022-11-09           |
| AH              | Preamplifier      | PAM-1840VH            | 190           | 2021-11-19       | 2022-11-18           |

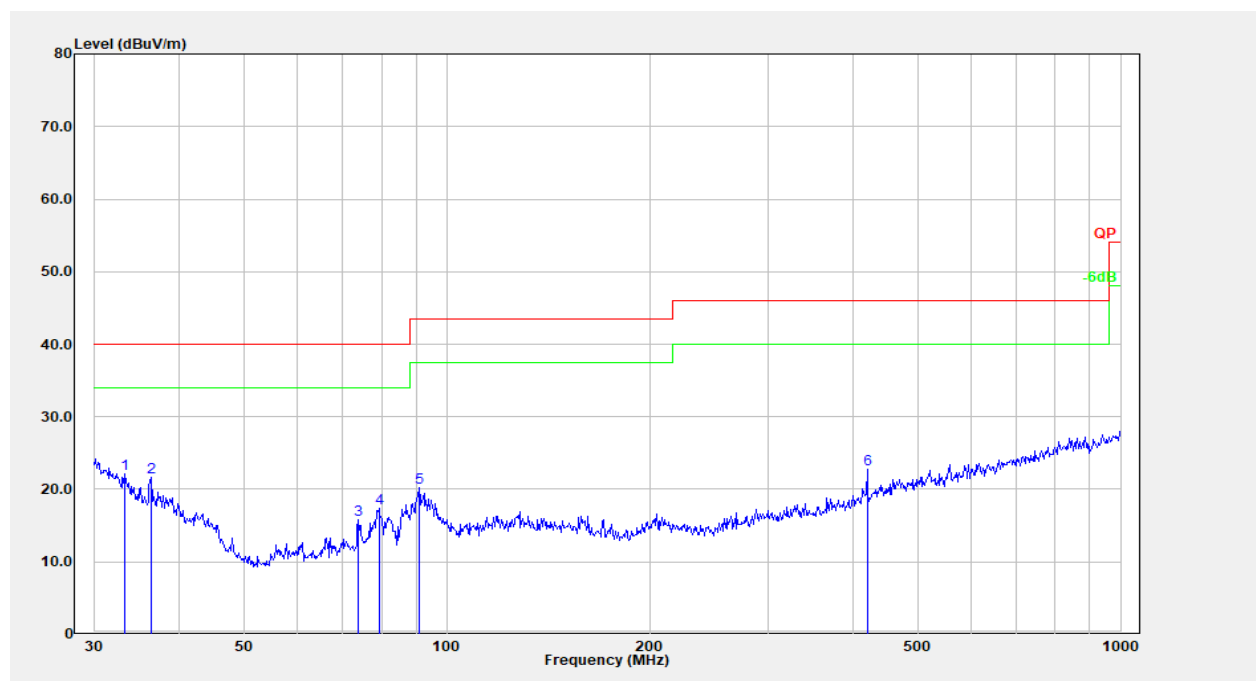
\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

1) 30MHz-1GHz:

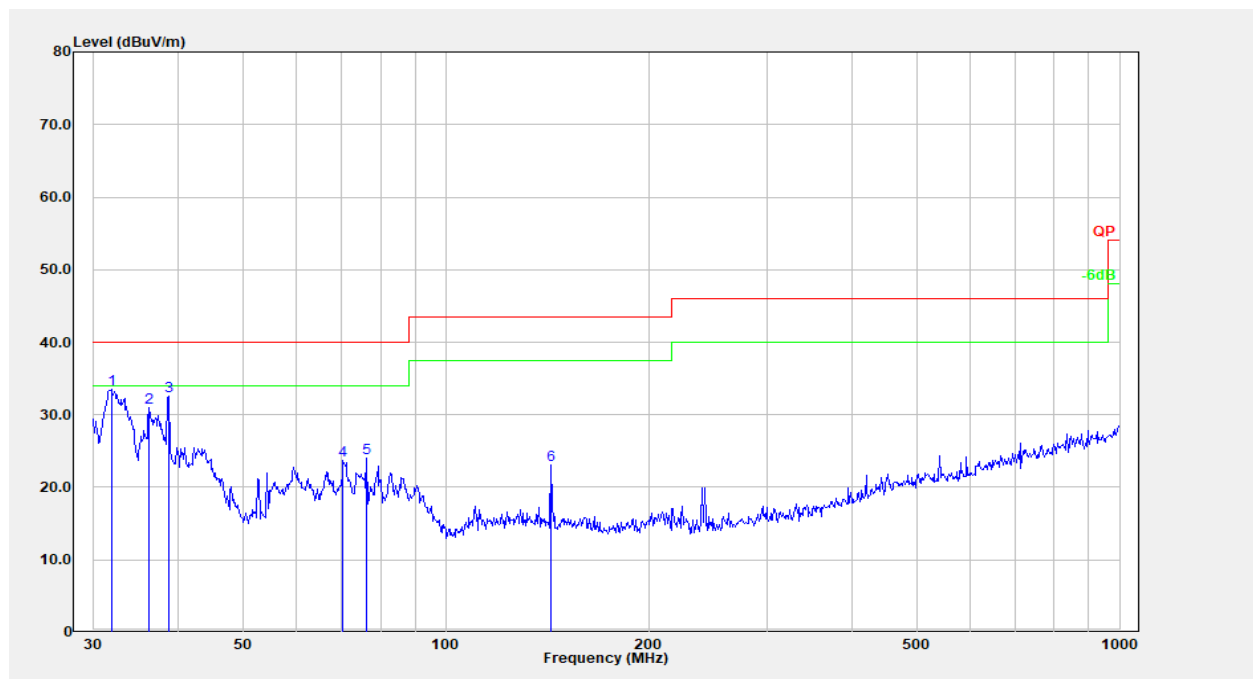
M1:

Type-1:

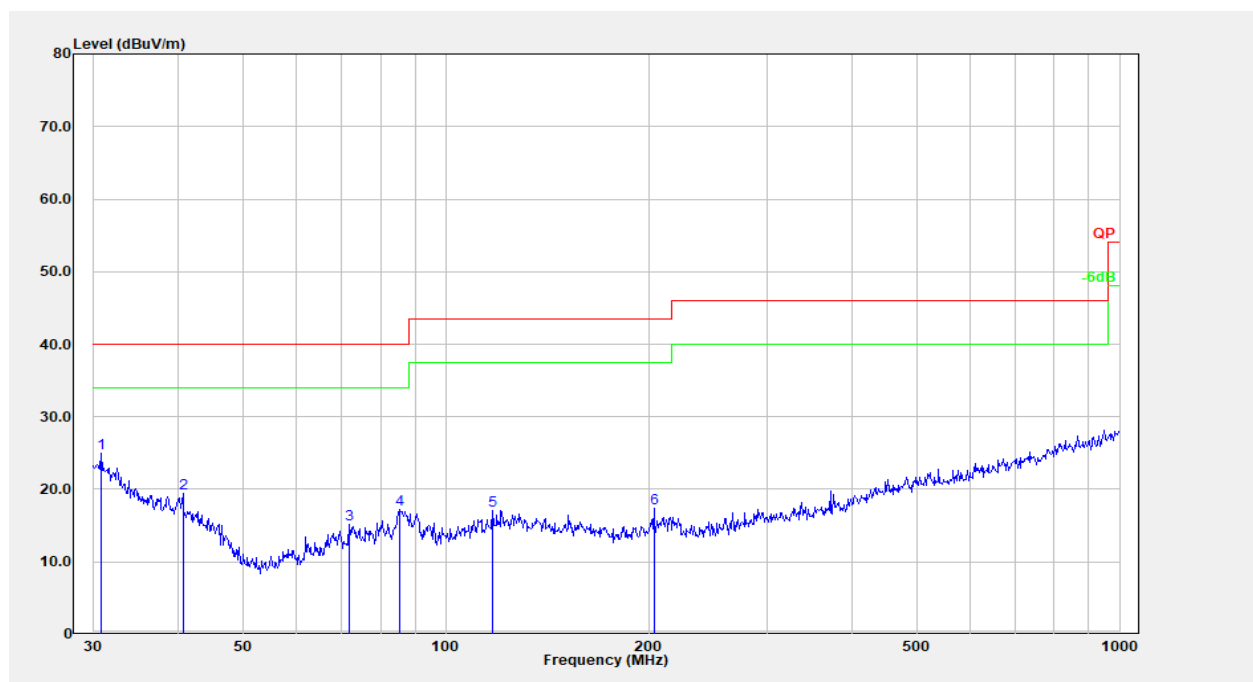
Horizontal:



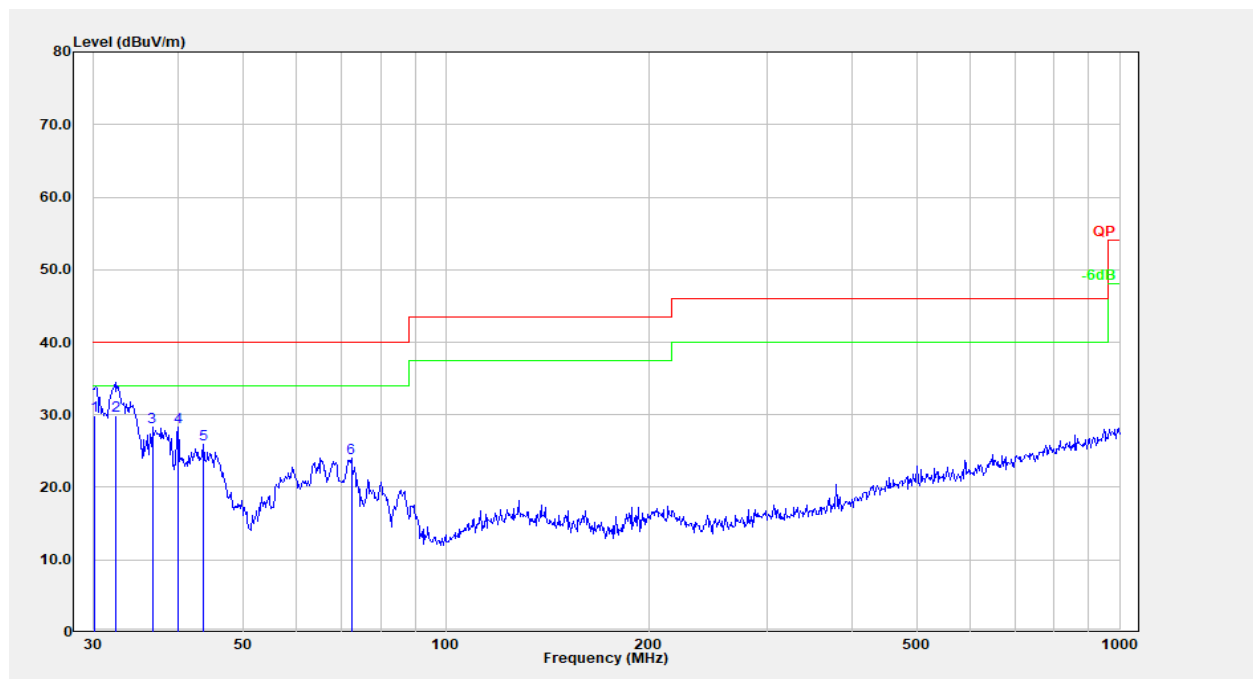
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 33.211             | 28.38             | -6.28            | 22.10              | 40.00             | 17.90          | Peak     |
| 2   | 36.381             | 30.35             | -8.71            | 21.63              | 40.00             | 18.37          | Peak     |
| 3   | 73.876             | 33.00             | -17.13           | 15.87              | 40.00             | 24.13          | Peak     |
| 4   | 79.243             | 35.08             | -17.63           | 17.45              | 40.00             | 22.55          | Peak     |
| 5   | 90.855             | 37.14             | -16.97           | 20.17              | 43.50             | 23.33          | Peak     |
| 6   | 420.580            | 30.94             | -8.12            | 22.82              | 46.00             | 23.18          | Peak     |

**Vertical:**

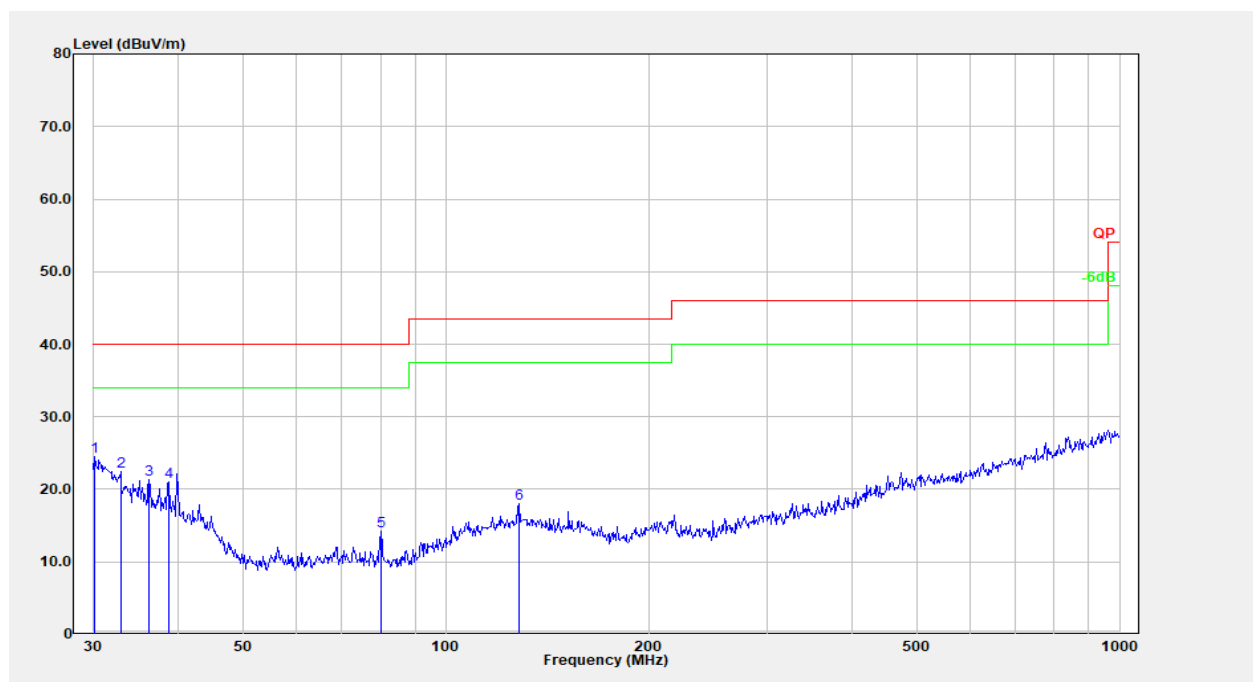
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 31.843             | 38.64             | -5.20            | 33.44              | 40.00             | 6.56           | Peak     |
| 2   | 36.254             | 39.62             | -8.62            | 31.01              | 40.00             | 8.99           | Peak     |
| 3   | 38.752             | 43.15             | -10.52           | 32.63              | 40.00             | 7.37           | Peak     |
| 4   | 70.337             | 40.43             | -16.74           | 23.68              | 40.00             | 16.32          | Peak     |
| 5   | 76.244             | 41.28             | -17.30           | 23.98              | 40.00             | 16.02          | Peak     |
| 6   | 143.326            | 35.26             | -12.18           | 23.08              | 43.50             | 20.42          | Peak     |

**Type-2:  
Horizontal:**

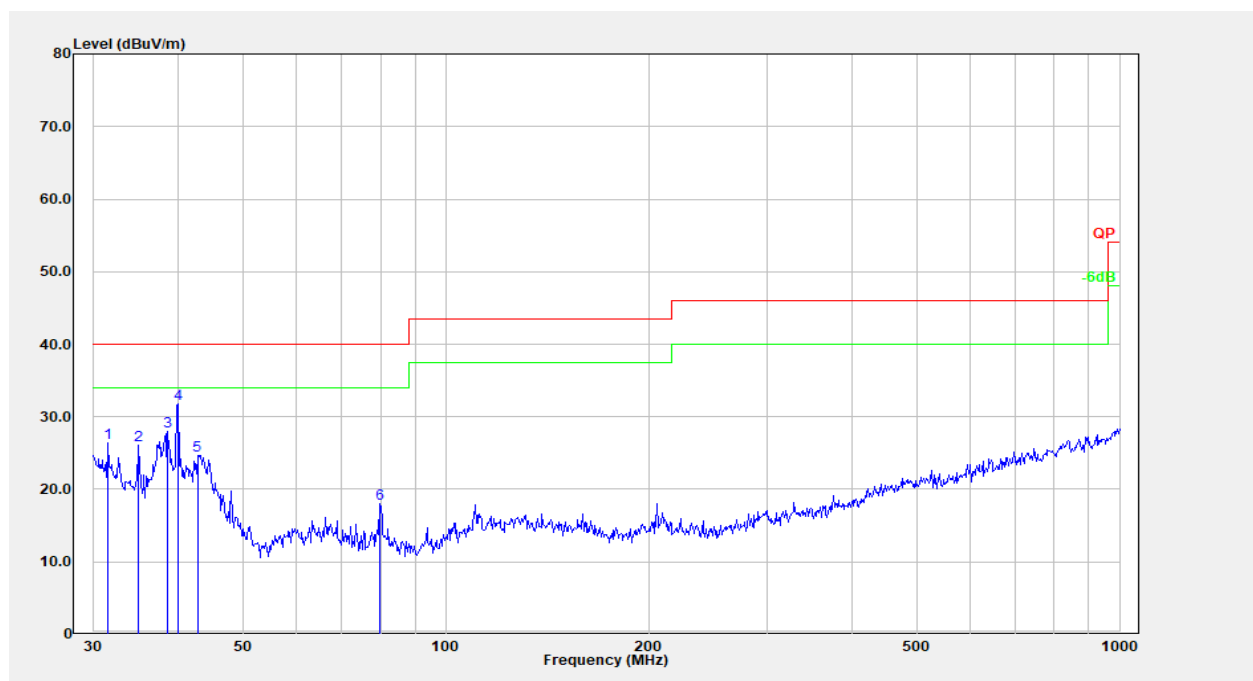
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 30.745             | 29.39             | -4.36            | 25.02              | 40.00             | 14.98          | Peak     |
| 2   | 40.702             | 31.44             | -11.94           | 19.50              | 40.00             | 20.50          | Peak     |
| 3   | 71.832             | 32.02             | -16.91           | 15.11              | 40.00             | 24.89          | Peak     |
| 4   | 85.298             | 34.64             | -17.42           | 17.22              | 40.00             | 22.78          | Peak     |
| 5   | 117.360            | 29.11             | -11.96           | 17.15              | 43.50             | 26.35          | Peak     |
| 6   | 203.523            | 29.87             | -12.48           | 17.39              | 43.50             | 26.11          | Peak     |

**Vertical:**

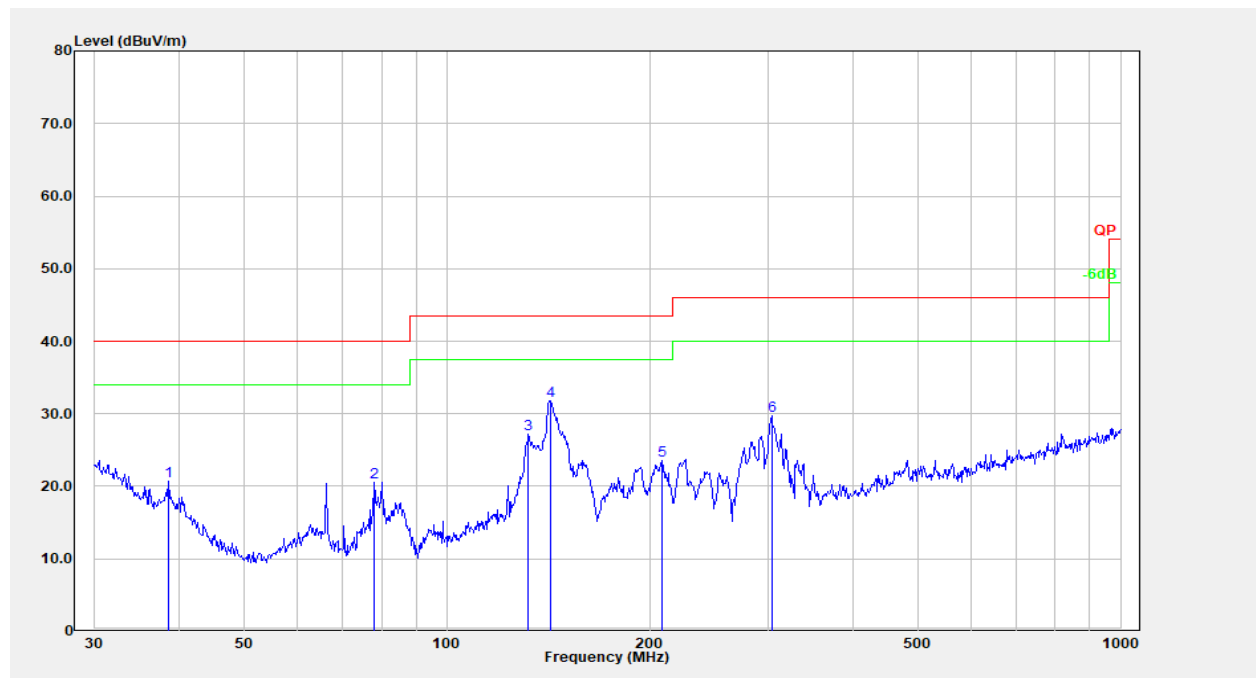
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 30.041             | 33.73             | -3.82            | 29.91              | 40.00             | 10.09          | QP       |
| 2   | 32.342             | 35.43             | -5.59            | 29.83              | 40.00             | 10.17          | QP       |
| 3   | 36.637             | 37.26             | -8.91            | 28.35              | 40.00             | 11.65          | Peak     |
| 4   | 39.994             | 39.82             | -11.52           | 28.31              | 40.00             | 11.69          | Peak     |
| 5   | 43.659             | 39.61             | -13.70           | 25.91              | 40.00             | 14.09          | Peak     |
| 6   | 72.338             | 41.05             | -16.94           | 24.11              | 40.00             | 15.89          | Peak     |

**Type-3:  
Horizontal:**

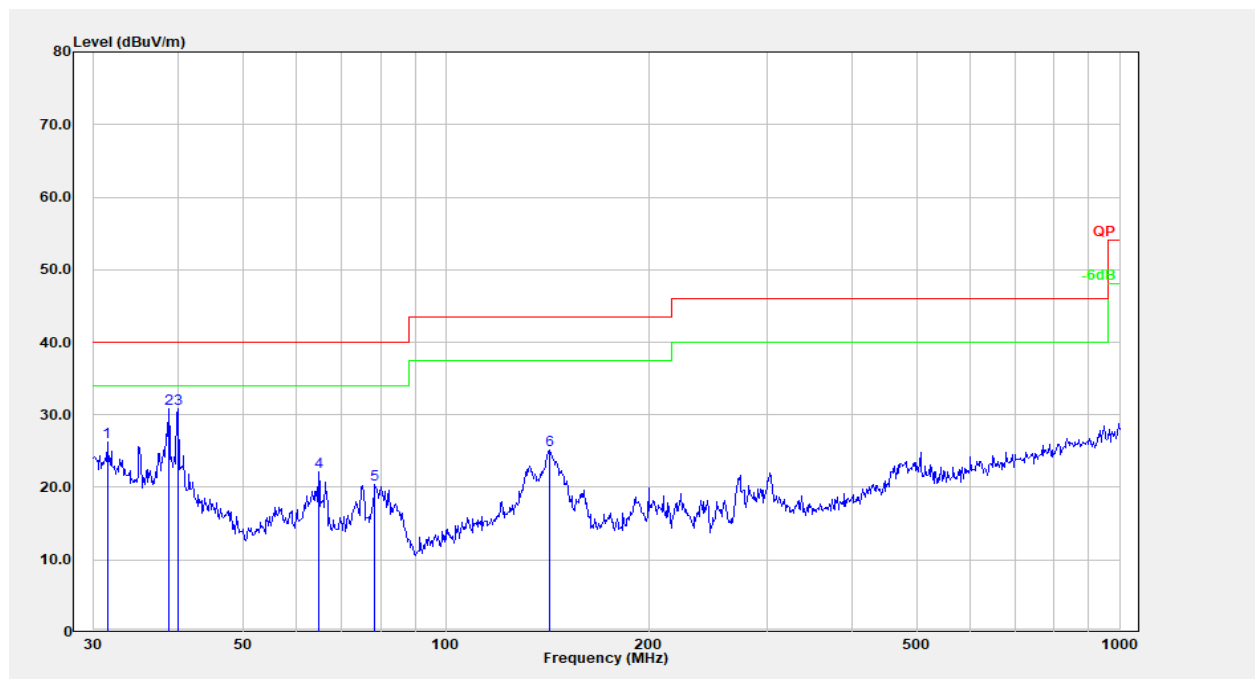
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 30.105             | 28.33             | -3.87            | 24.46              | 40.00             | 15.54          | Peak     |
| 2   | 32.864             | 28.48             | -6.01            | 22.47              | 40.00             | 17.53          | Peak     |
| 3   | 36.254             | 29.98             | -8.62            | 21.36              | 40.00             | 18.64          | Peak     |
| 4   | 38.752             | 31.55             | -10.52           | 21.03              | 40.00             | 18.97          | Peak     |
| 5   | 80.081             | 31.93             | -17.70           | 14.23              | 40.00             | 25.77          | Peak     |
| 6   | 128.563            | 29.58             | -11.53           | 18.05              | 43.50             | 25.45          | Peak     |

**Vertical:**

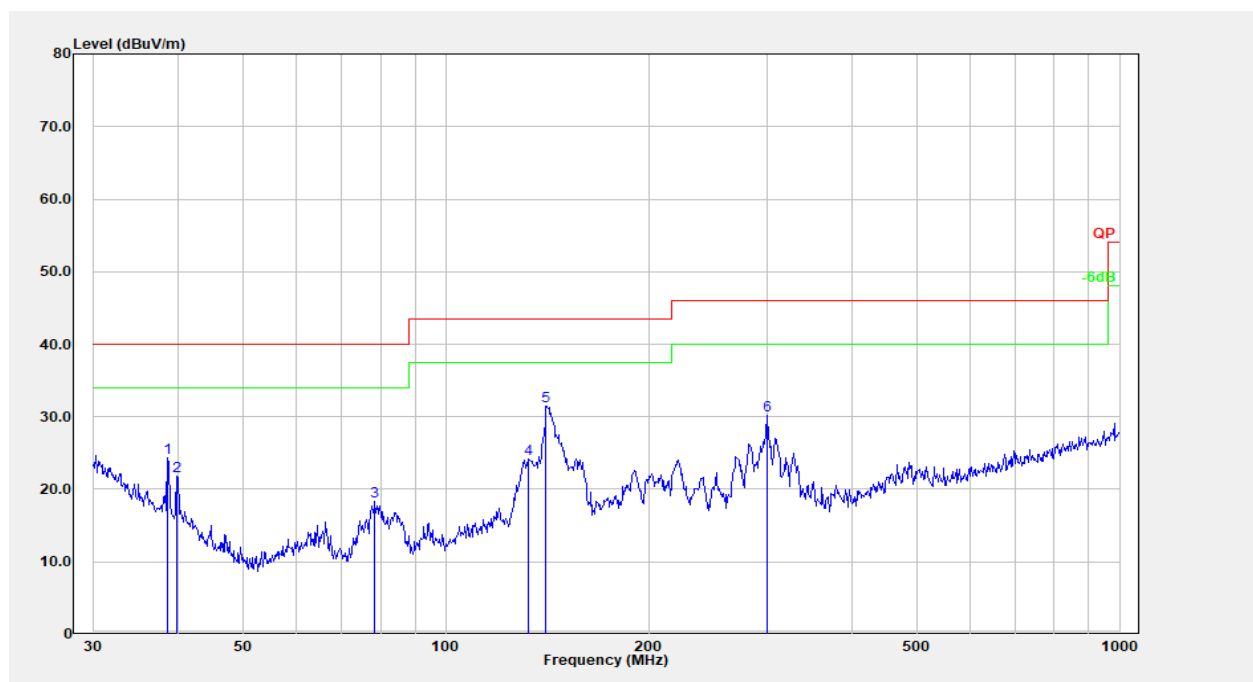
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 31.510             | 31.32             | -4.95            | 26.38              | 40.00             | 13.62          | Peak     |
| 2   | 35.005             | 33.75             | -7.67            | 26.08              | 40.00             | 13.92          | Peak     |
| 3   | 38.616             | 38.41             | -10.41           | 28.00              | 40.00             | 12.00          | Peak     |
| 4   | 39.994             | 43.29             | -11.52           | 31.77              | 40.00             | 8.23           | Peak     |
| 5   | 42.750             | 37.78             | -13.14           | 24.64              | 40.00             | 15.36          | Peak     |
| 6   | 79.800             | 35.71             | -17.69           | 18.02              | 40.00             | 21.98          | Peak     |

**M2****Type-1:****Horizontal:**

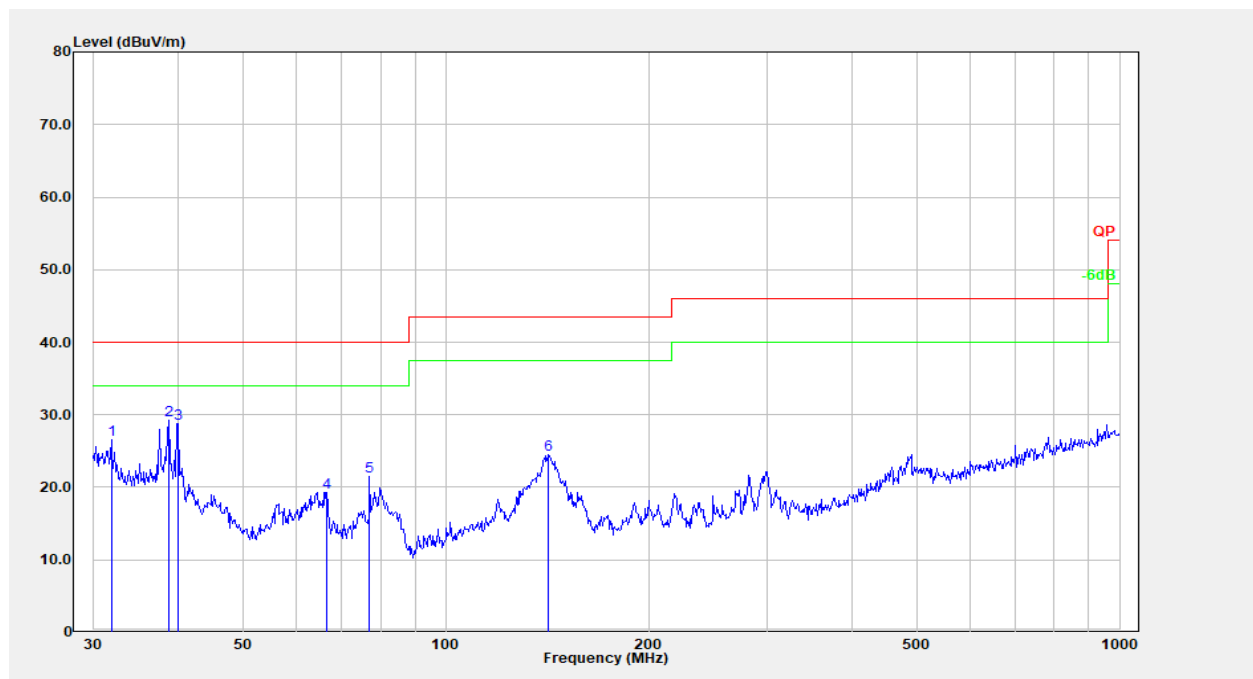
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 38.616             | 31.06             | -10.41           | 20.65              | 40.00             | 19.35          | Peak     |
| 2   | 77.865             | 38.12             | -17.49           | 20.63              | 40.00             | 19.37          | Peak     |
| 3   | 132.221            | 38.85             | -11.68           | 27.17              | 43.50             | 16.33          | Peak     |
| 4   | 142.324            | 43.99             | -12.16           | 31.83              | 43.50             | 11.67          | Peak     |
| 5   | 208.580            | 36.16             | -12.58           | 23.58              | 43.50             | 19.92          | Peak     |
| 6   | 303.544            | 40.56             | -10.80           | 29.76              | 46.00             | 16.24          | Peak     |

**Vertical:**

| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 31.399             | 31.17             | -4.86            | 26.30              | 40.00             | 13.70          | Peak     |
| 2   | 38.752             | 41.41             | -10.52           | 30.89              | 40.00             | 9.11           | Peak     |
| 3   | 39.994             | 42.35             | -11.52           | 30.84              | 40.00             | 9.16           | Peak     |
| 4   | 64.659             | 39.27             | -17.20           | 22.07              | 40.00             | 17.93          | Peak     |
| 5   | 78.413             | 37.88             | -17.55           | 20.33              | 40.00             | 19.67          | Peak     |
| 6   | 142.324            | 37.22             | -12.16           | 25.06              | 43.50             | 18.44          | Peak     |

**Type-2  
Horizontal:**

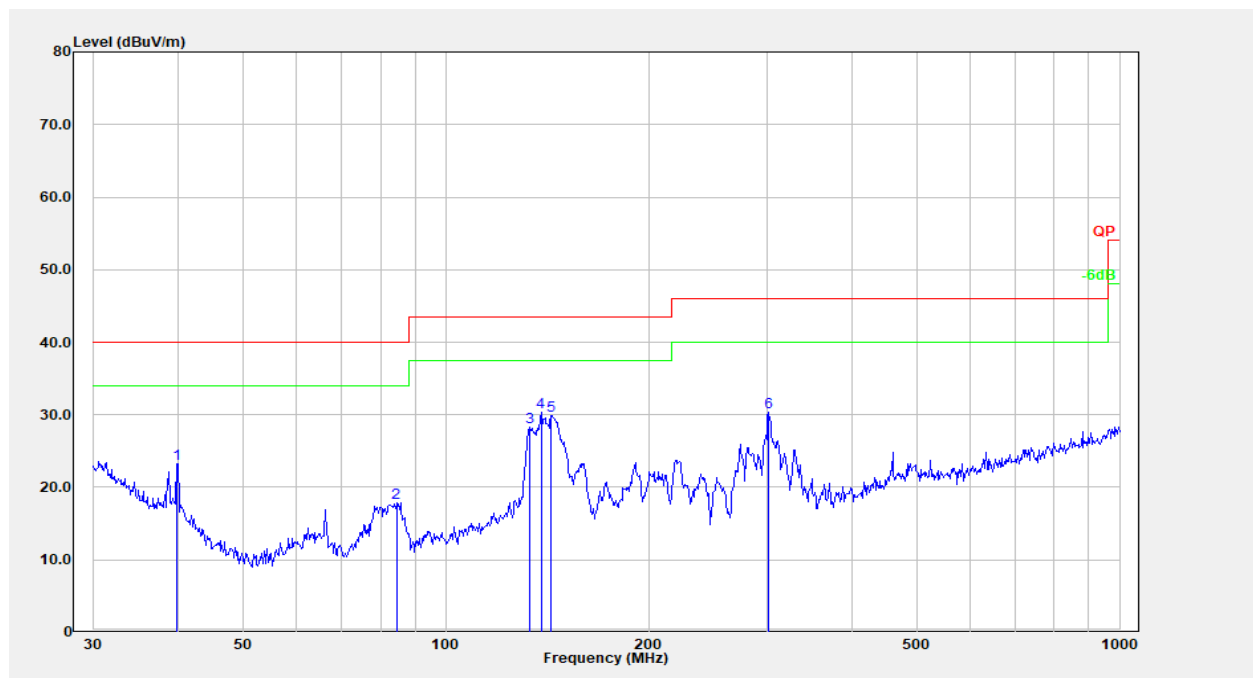
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 38.616             | 34.70             | -10.41           | 24.30              | 40.00             | 15.70          | Peak     |
| 2   | 39.854             | 33.26             | -11.40           | 21.85              | 40.00             | 18.15          | Peak     |
| 3   | 78.413             | 35.86             | -17.55           | 18.31              | 40.00             | 21.69          | Peak     |
| 4   | 132.685            | 35.97             | -11.73           | 24.24              | 43.50             | 19.26          | Peak     |
| 5   | 140.835            | 43.68             | -12.18           | 31.50              | 43.50             | 12.00          | Peak     |
| 6   | 299.316            | 40.99             | -10.83           | 30.17              | 46.00             | 15.83          | Peak     |

**Vertical:**

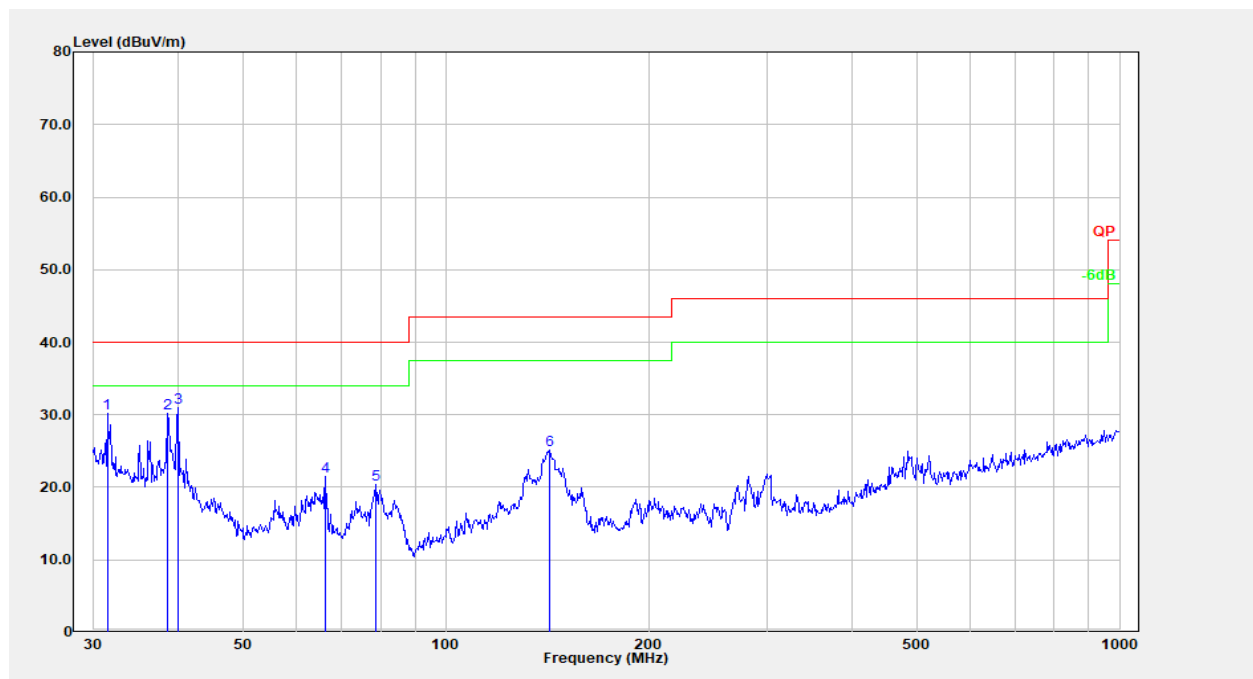
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 31.843             | 31.70             | -5.20            | 26.50              | 40.00             | 13.50          | Peak     |
| 2   | 38.752             | 39.79             | -10.52           | 29.27              | 40.00             | 10.73          | Peak     |
| 3   | 39.994             | 40.34             | -11.52           | 28.82              | 40.00             | 11.18          | Peak     |
| 4   | 66.499             | 36.35             | -17.05           | 19.31              | 40.00             | 20.69          | Peak     |
| 5   | 77.051             | 38.94             | -17.39           | 21.55              | 40.00             | 18.45          | Peak     |
| 6   | 141.826            | 36.71             | -12.17           | 24.55              | 43.50             | 18.95          | Peak     |

Type-3:

Horizontal:



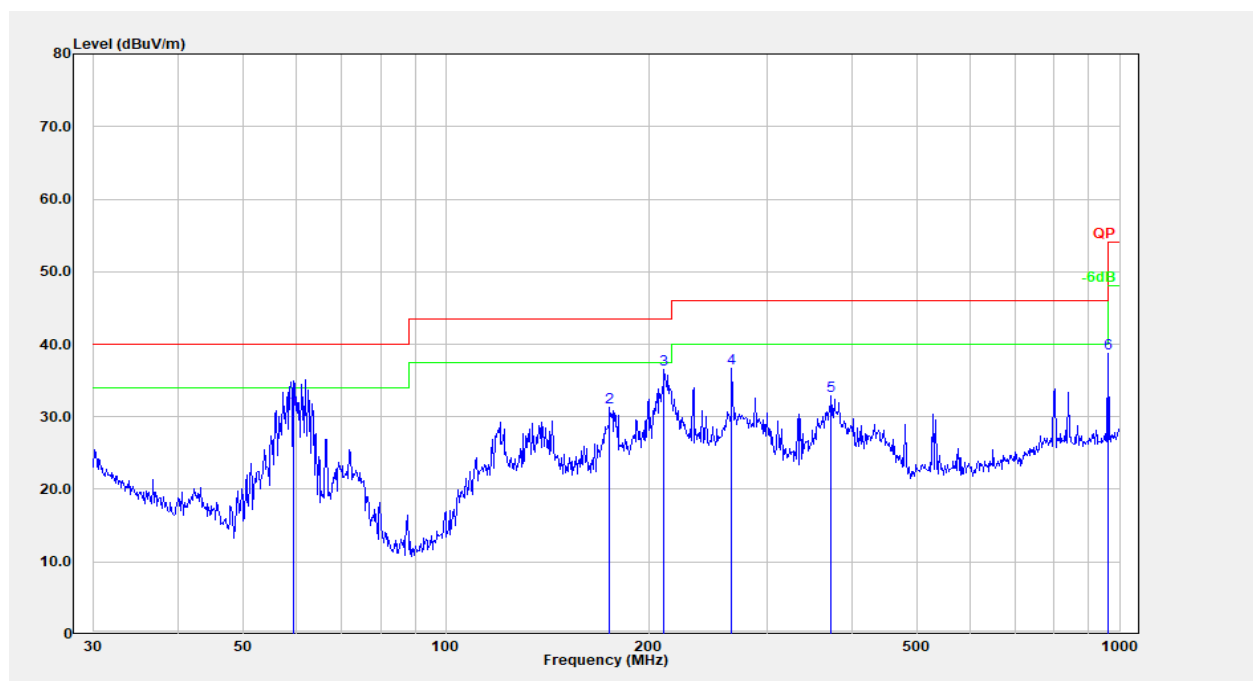
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 39.854             | 34.66             | -11.40           | 23.26              | 40.00             | 16.74          | Peak     |
| 2   | 84.405             | 35.39             | -17.47           | 17.92              | 40.00             | 22.08          | Peak     |
| 3   | 133.151            | 40.06             | -11.77           | 28.29              | 43.50             | 15.21          | Peak     |
| 4   | 138.387            | 42.37             | -12.06           | 30.31              | 43.50             | 13.19          | Peak     |
| 5   | 143.326            | 42.07             | -12.18           | 29.89              | 43.50             | 13.61          | Peak     |
| 6   | 301.422            | 41.12             | -10.80           | 30.32              | 46.00             | 15.68          | Peak     |

**Vertical:**

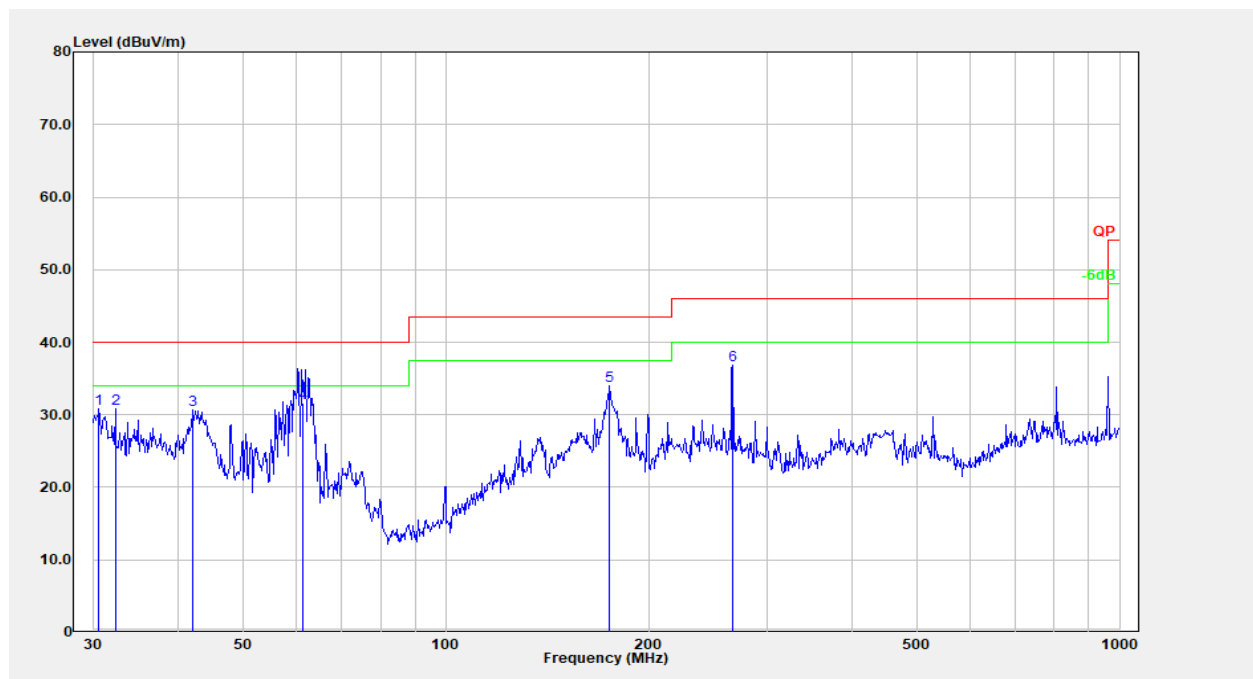
| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Factor<br>(dB/m) | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------------|------------------|--------------------------|-------------------------|----------------|----------|
| 1   | 31.399             | 35.02                   | -4.86            | 30.15                    | 40.00                   | 9.85           | Peak     |
| 2   | 38.616             | 40.55                   | -10.41           | 30.14                    | 40.00                   | 9.86           | Peak     |
| 3   | 39.994             | 42.54                   | -11.52           | 31.02                    | 40.00                   | 8.98           | Peak     |
| 4   | 66.266             | 38.61                   | -17.07           | 21.54                    | 40.00                   | 18.46          | Peak     |
| 5   | 78.689             | 38.03                   | -17.57           | 20.45                    | 40.00                   | 19.55          | Peak     |
| 6   | 142.324            | 37.35                   | -12.16           | 25.19                    | 43.50                   | 18.31          | Peak     |

M3 (Type-1 was the wors)

Horizontal:



| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 59.441             | 48.57             | -17.63           | 30.94              | 40.00             | 9.06           | QP       |
| 2   | 175.037            | 44.84             | -13.54           | 31.30              | 43.50             | 12.20          | Peak     |
| 3   | 210.786            | 49.09             | -12.63           | 36.46              | 43.50             | 7.04           | Peak     |
| 4   | 265.676            | 49.10             | -12.44           | 36.66              | 46.00             | 9.34           | Peak     |
| 5   | 373.311            | 42.44             | -9.60            | 32.84              | 46.00             | 13.16          | Peak     |
| 6   | 962.162            | 38.77             | -0.09            | 38.68              | 54.00             | 15.32          | Peak     |

**Vertical:**

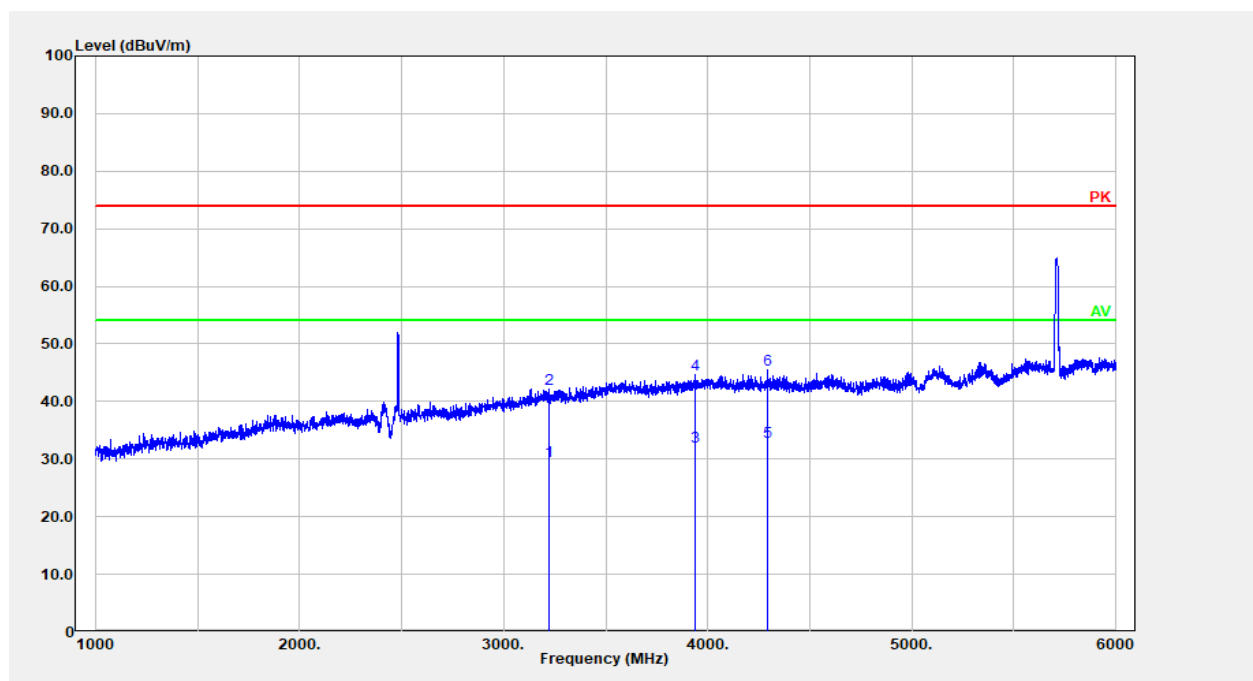
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 30.531             | 35.04             | -4.20            | 30.84              | 40.00             | 9.16           | Peak     |
| 2   | 32.293             | 36.35             | -5.55            | 30.80              | 40.00             | 9.20           | Peak     |
| 3   | 42.007             | 43.29             | -12.67           | 30.62              | 40.00             | 9.38           | Peak     |
| 4   | 61.181             | 49.15             | -17.56           | 31.59              | 40.00             | 8.41           | QP       |
| 5   | 175.037            | 47.45             | -13.54           | 33.91              | 43.50             | 9.59           | Peak     |
| 6   | 266.609            | 49.32             | -12.41           | 36.91              | 46.00             | 9.09           | Peak     |

2) Above 1GHz

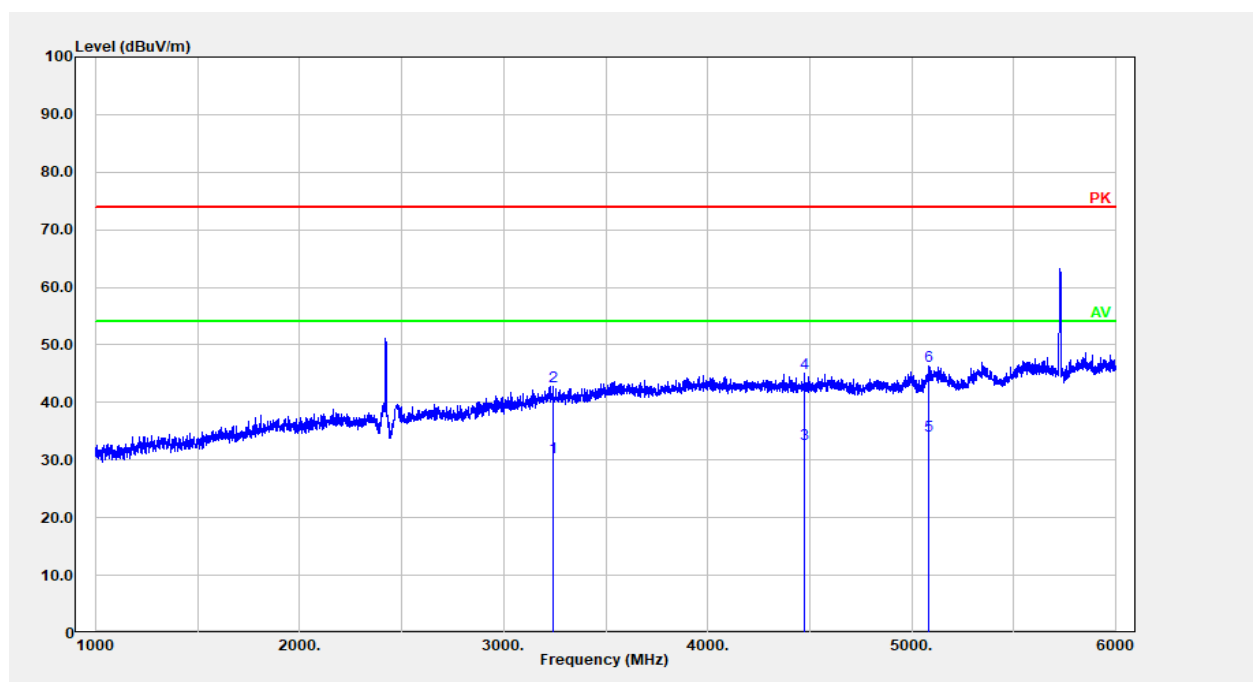
**Type-1 was the worst:**

**M1**

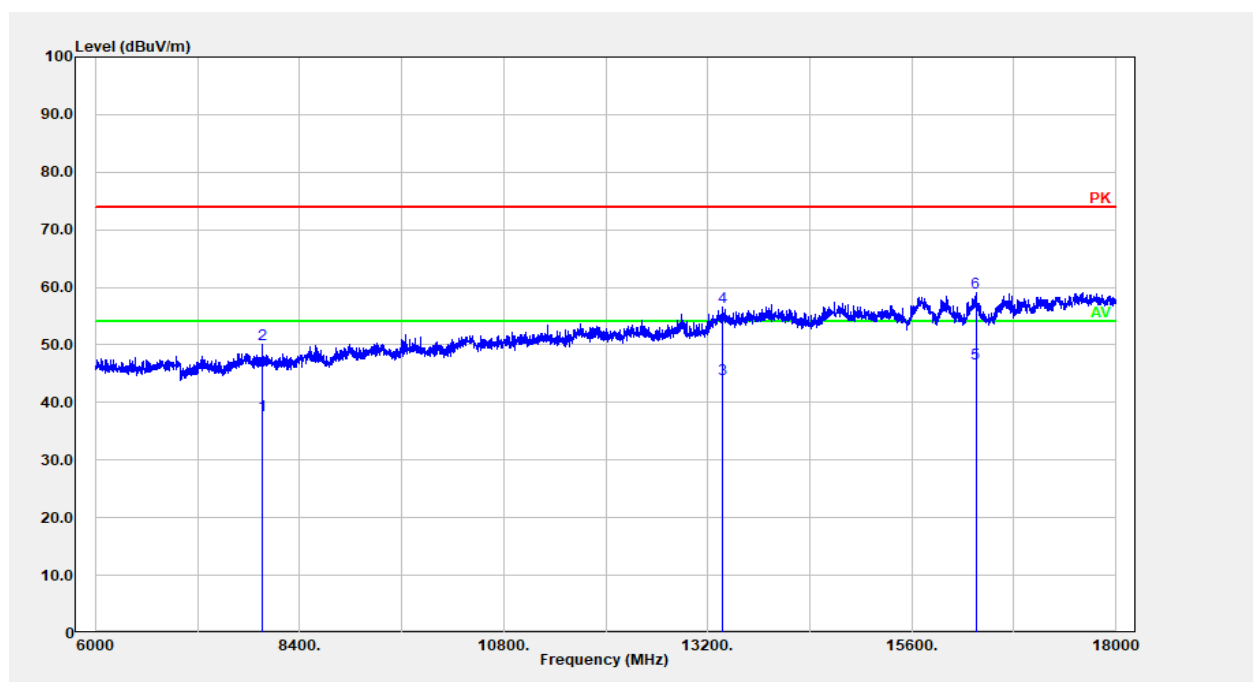
**Horizontal:**



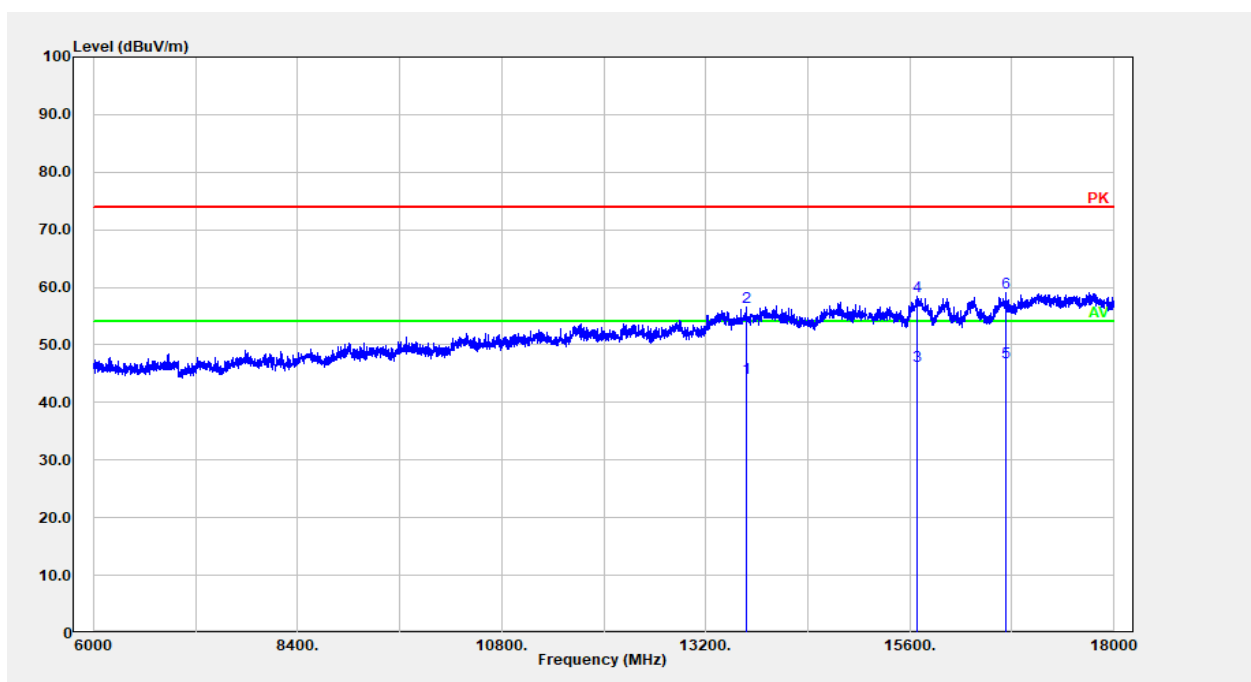
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 3222.445           | 22.45             | 7.28             | 29.73              | 54.00             | 24.27          | Average  |
| 2   | 3222.445           | 34.90             | 7.28             | 42.18              | 74.00             | 31.82          | Peak     |
| 3   | 3936.587           | 22.42             | 9.79             | 32.21              | 54.00             | 21.79          | Average  |
| 4   | 3936.587           | 34.84             | 9.79             | 44.63              | 74.00             | 29.37          | Peak     |
| 5   | 4293.659           | 23.41             | 9.63             | 33.04              | 54.00             | 20.96          | Average  |
| 6   | 4293.659           | 35.83             | 9.63             | 45.46              | 74.00             | 28.54          | Peak     |

**Vertical:**

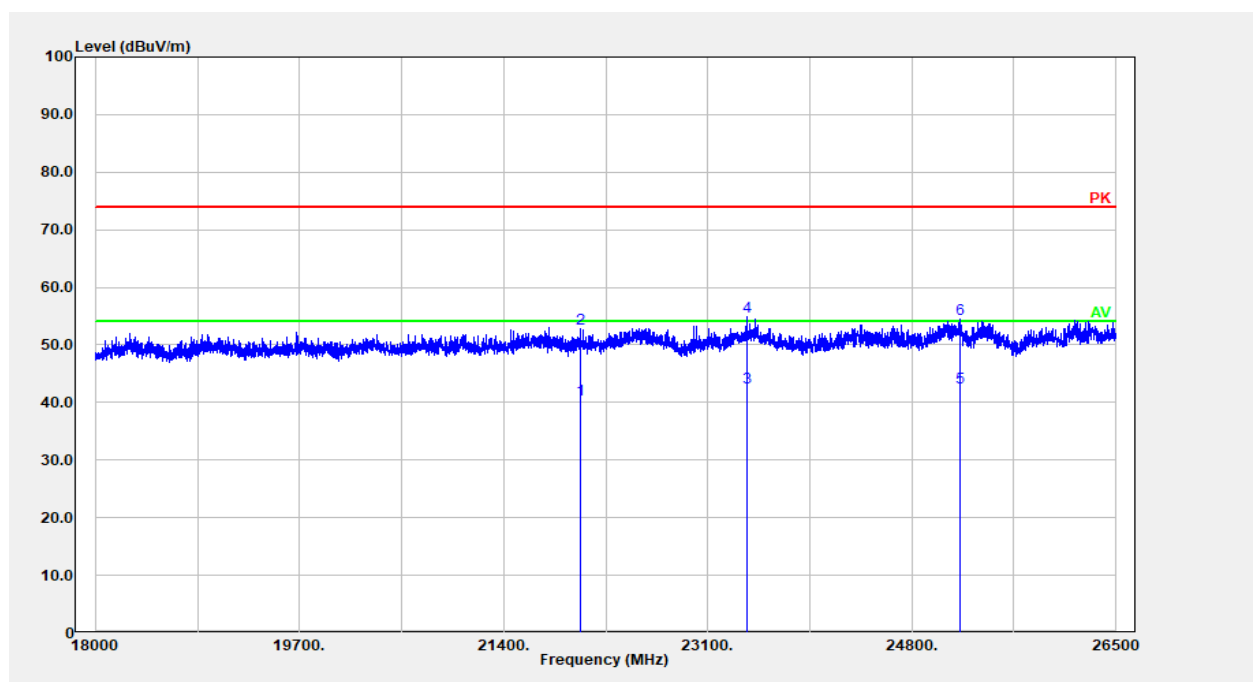
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 3242.448           | 23.14             | 7.37             | 30.51              | 54.00             | 23.49          | Average  |
| 2   | 3242.448           | 35.39             | 7.37             | 42.76              | 74.00             | 31.24          | Peak     |
| 3   | 4474.695           | 23.14             | 9.66             | 32.80              | 54.00             | 21.20          | Average  |
| 4   | 4474.695           | 35.37             | 9.66             | 45.03              | 74.00             | 28.97          | Peak     |
| 5   | 5085.817           | 23.06             | 11.27            | 34.33              | 54.00             | 19.67          | Average  |
| 6   | 5085.817           | 35.13             | 11.27            | 46.40              | 74.00             | 27.60          | Peak     |

**Horizontal:**

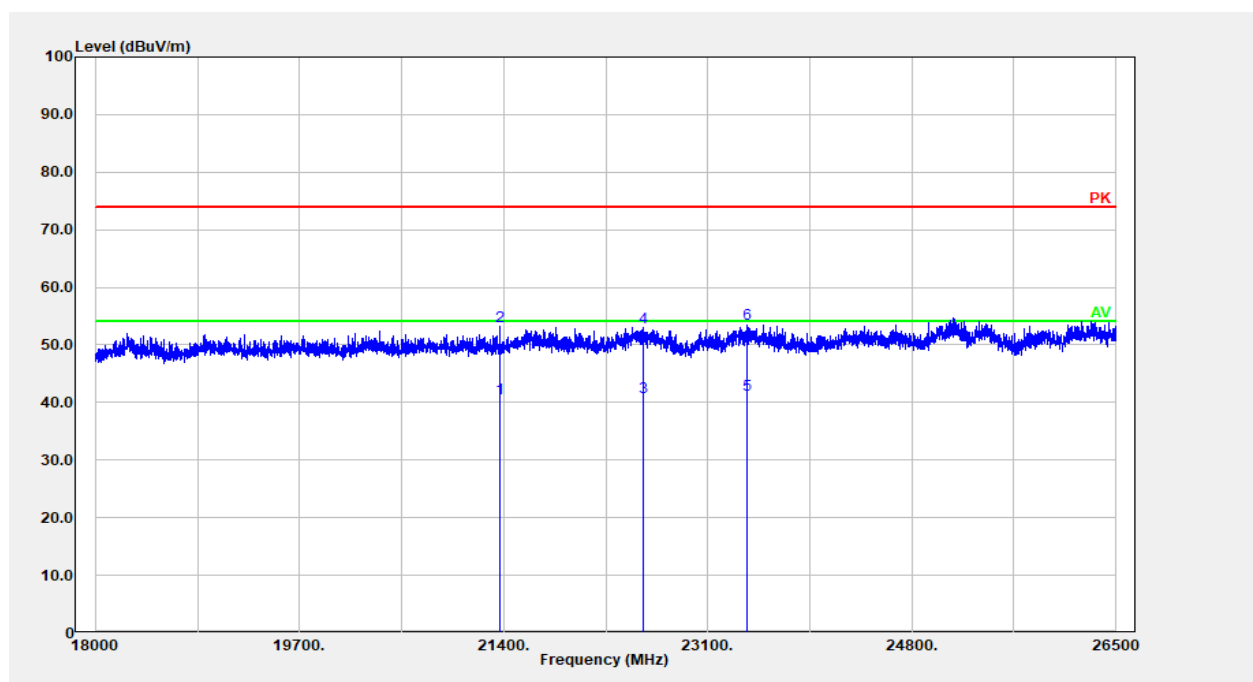
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 7961.192           | 22.31             | 15.51            | 37.82              | 54.00             | 16.18          | Average  |
| 2   | 7961.192           | 34.63             | 15.51            | 50.14              | 74.00             | 23.86          | Peak     |
| 3   | 13376.680          | 21.43             | 22.68            | 44.11              | 54.00             | 9.89           | Average  |
| 4   | 13376.680          | 33.88             | 22.68            | 56.56              | 74.00             | 17.44          | Peak     |
| 5   | 16353.270          | 25.24             | 21.52            | 46.76              | 54.00             | 7.24           | Average  |
| 6   | 16353.270          | 37.49             | 21.52            | 59.01              | 74.00             | 14.99          | Peak     |

**Vertical:**

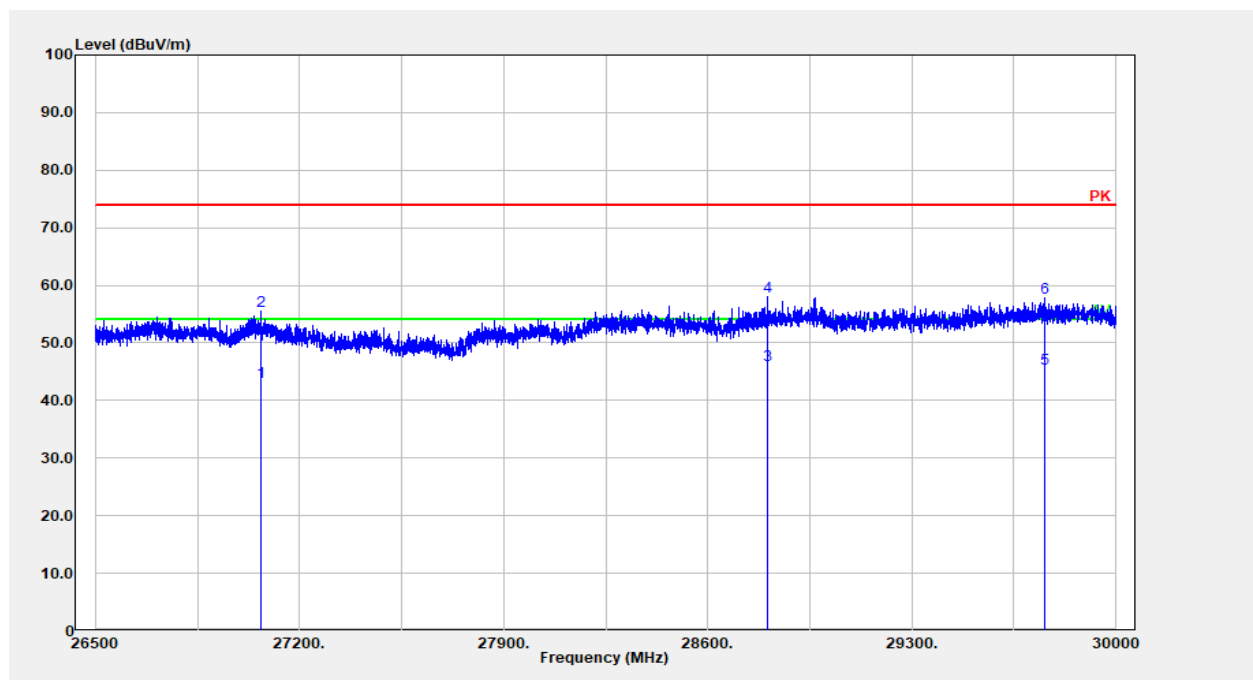
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 13679.140          | 21.34             | 23.00            | 44.34              | 54.00             | 9.66           | Average  |
| 2   | 13679.140          | 33.67             | 23.00            | 56.67              | 74.00             | 17.33          | Peak     |
| 3   | 15688.340          | 25.15             | 21.21            | 46.36              | 54.00             | 7.64           | Average  |
| 4   | 15688.340          | 37.33             | 21.21            | 58.54              | 74.00             | 15.46          | Peak     |
| 5   | 16737.350          | 24.13             | 22.82            | 46.95              | 54.00             | 7.05           | Average  |
| 6   | 16737.350          | 36.25             | 22.82            | 59.07              | 74.00             | 14.93          | Peak     |

**Horizontal:**

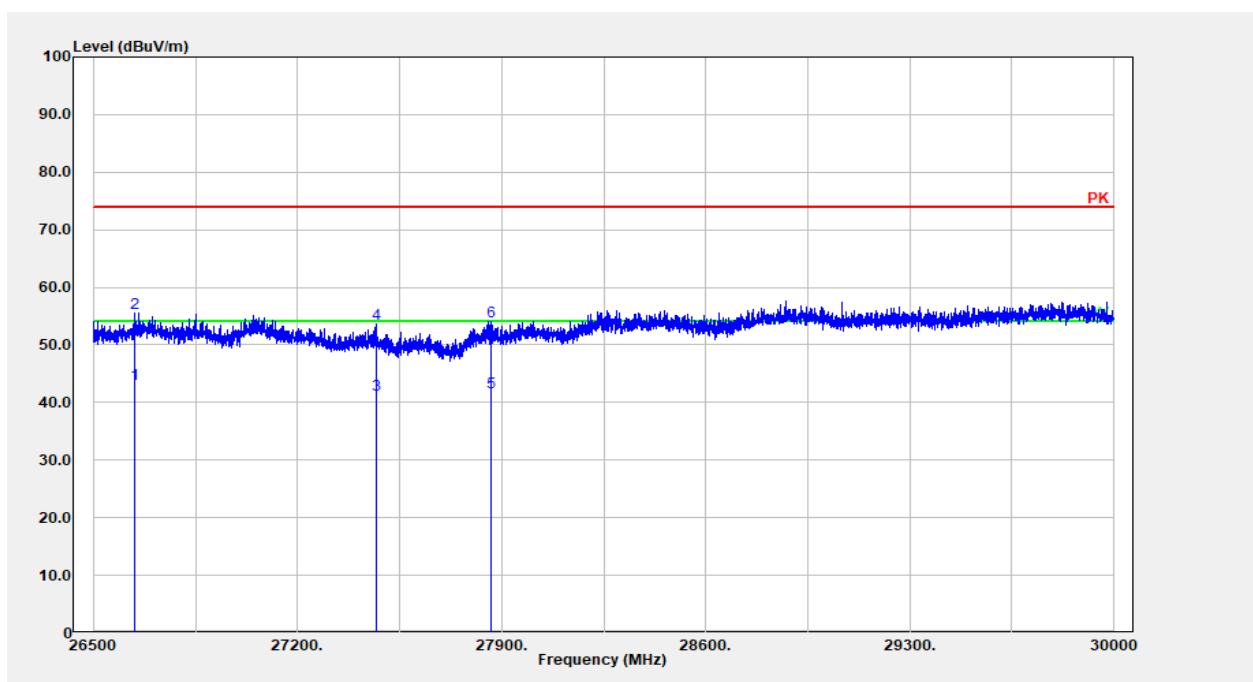
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 22040.010          | 31.43             | 9.00             | 40.43              | 54.00             | 13.57          | Average  |
| 2   | 22040.010          | 43.85             | 9.00             | 52.85              | 74.00             | 21.15          | Peak     |
| 3   | 23422.380          | 31.32             | 11.17            | 42.49              | 54.00             | 11.51          | Average  |
| 4   | 23422.380          | 43.74             | 11.17            | 54.91              | 74.00             | 19.09          | Peak     |
| 5   | 25207.740          | 29.07             | 13.52            | 42.59              | 54.00             | 11.41          | Average  |
| 6   | 25207.740          | 41.00             | 13.52            | 54.52              | 74.00             | 19.48          | Peak     |

**Vertical:**

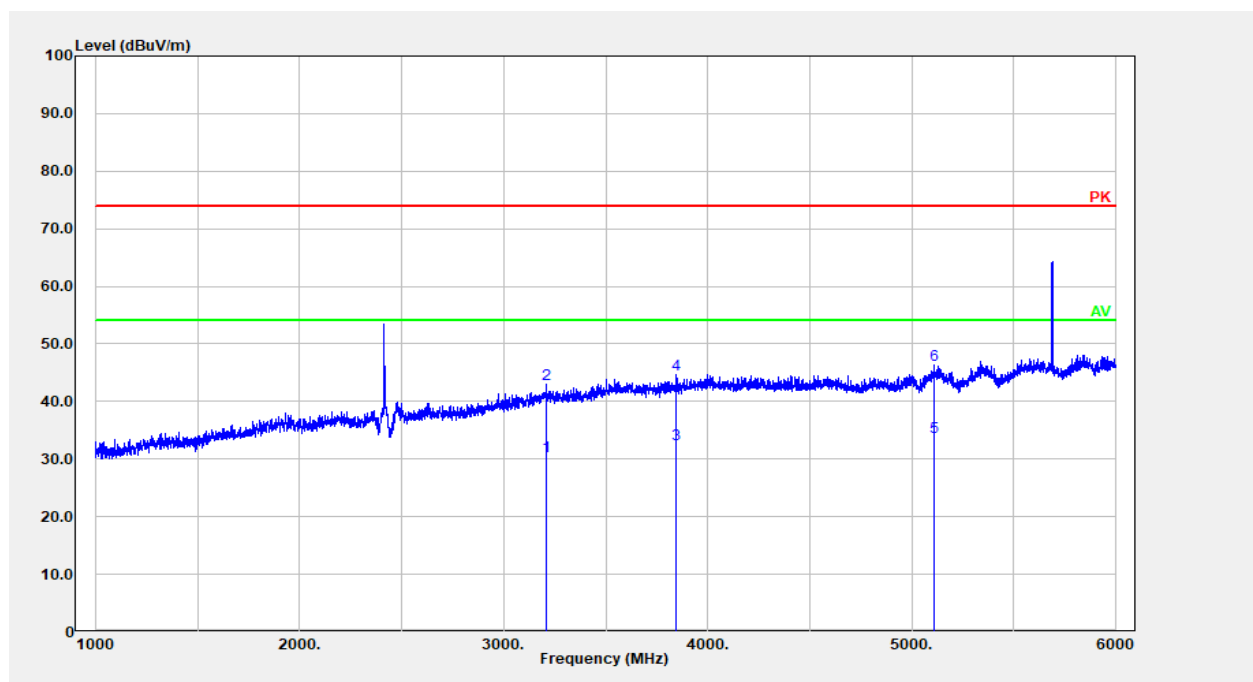
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 21364.970          | 32.41             | 8.39             | 40.80              | 54.00             | 13.20          | Average  |
| 2   | 21364.970          | 44.77             | 8.39             | 53.16              | 74.00             | 20.84          | Peak     |
| 3   | 22567.110          | 30.21             | 10.75            | 40.96              | 54.00             | 13.04          | Average  |
| 4   | 22567.110          | 42.36             | 10.75            | 53.11              | 74.00             | 20.89          | Peak     |
| 5   | 23427.490          | 30.15             | 11.18            | 41.33              | 54.00             | 12.67          | Average  |
| 6   | 23427.490          | 42.37             | 11.18            | 53.55              | 74.00             | 20.45          | Peak     |

**Horizontal:**

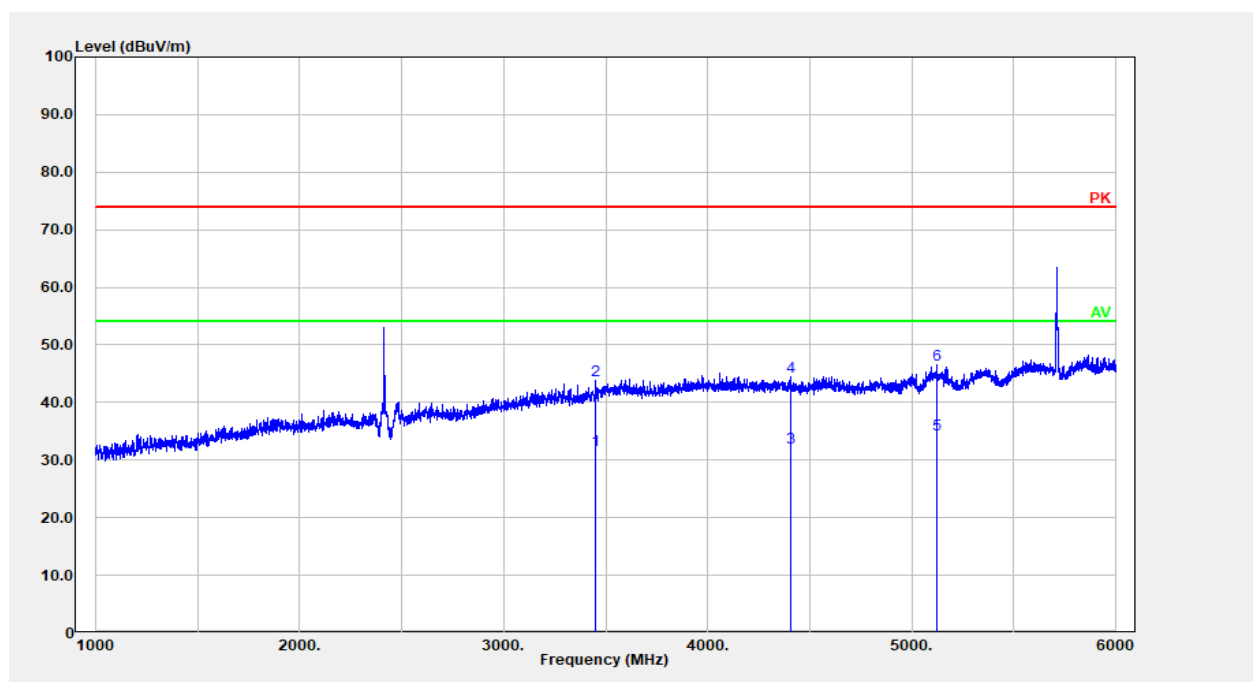
| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 27065.710       | 29.14          | 14.11         | 43.25           | 54.00          | 10.75       | Average  |
| 2   | 27065.710       | 41.36          | 14.11         | 55.47           | 74.00          | 18.53       | Peak     |
| 3   | 28804.160       | 31.04          | 15.00         | 46.04           | 54.00          | 7.96        | Average  |
| 4   | 28804.160       | 43.09          | 15.00         | 58.09           | 74.00          | 15.91       | Peak     |
| 5   | 29757.050       | 30.43          | 15.08         | 45.51           | 54.00          | 8.49        | Average  |
| 6   | 29757.050       | 42.77          | 15.08         | 57.85           | 74.00          | 16.15       | Peak     |

**Vertical:**

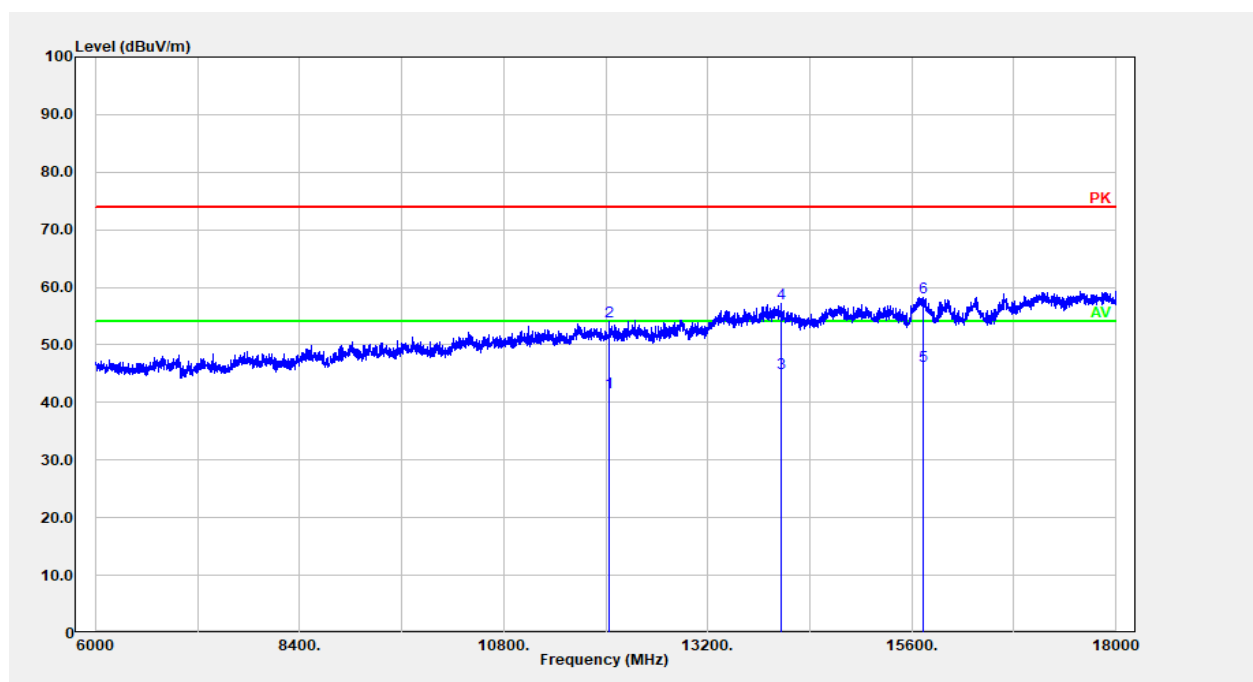
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 26642.130          | 30.15             | 13.15            | 43.30              | 54.00             | 10.70          | Average  |
| 2   | 26642.130          | 42.31             | 13.15            | 55.46              | 74.00             | 18.54          | Peak     |
| 3   | 27469.690          | 27.34             | 13.91            | 41.25              | 54.00             | 12.75          | Average  |
| 4   | 27469.690          | 39.68             | 13.91            | 53.59              | 74.00             | 20.41          | Peak     |
| 5   | 27864.570          | 27.41             | 14.33            | 41.74              | 54.00             | 12.26          | Average  |
| 6   | 27864.570          | 39.74             | 14.33            | 54.07              | 74.00             | 19.93          | Peak     |

**M2****Horizontal:**

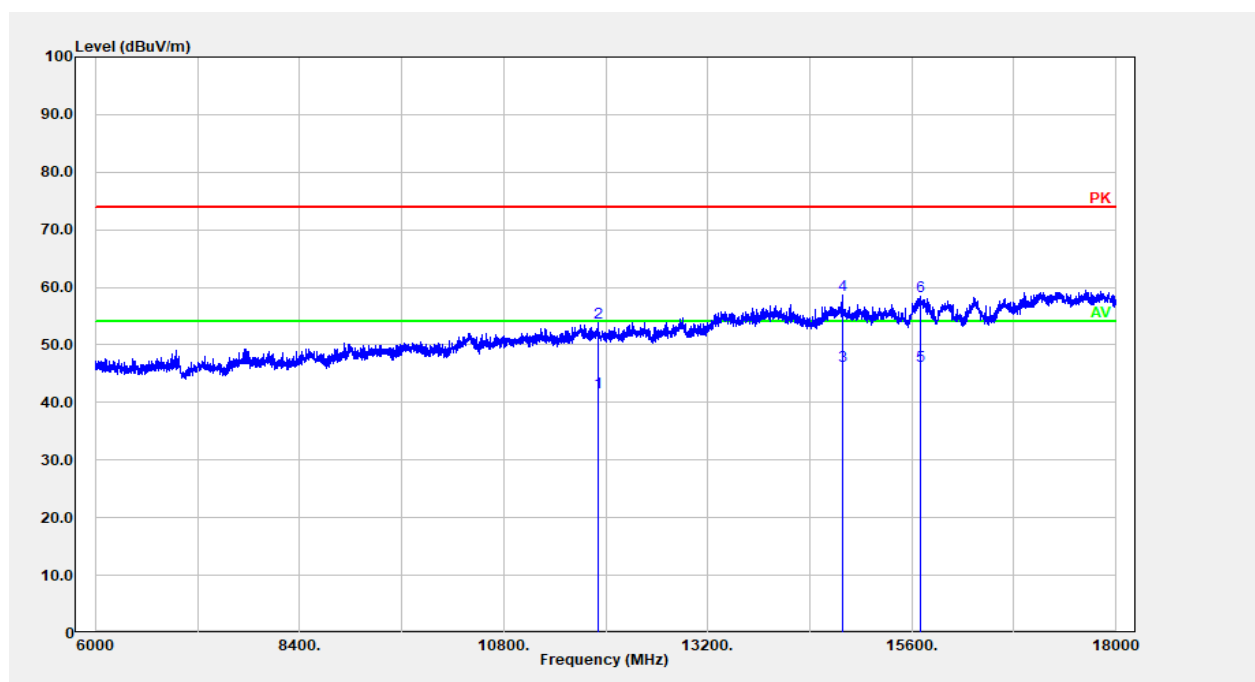
| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 3207.441        | 23.35          | 7.21          | 30.56           | 54.00          | 23.44       | Average  |
| 2   | 3207.441        | 35.71          | 7.21          | 42.92           | 74.00          | 31.08       | Peak     |
| 3   | 3842.569        | 23.09          | 9.45          | 32.54           | 54.00          | 21.46       | Average  |
| 4   | 3842.569        | 35.19          | 9.45          | 44.64           | 74.00          | 29.36       | Peak     |
| 5   | 5107.822        | 22.43          | 11.38         | 33.81           | 54.00          | 20.19       | Average  |
| 6   | 5107.822        | 34.97          | 11.38         | 46.35           | 74.00          | 27.65       | Peak     |

**Vertical:**

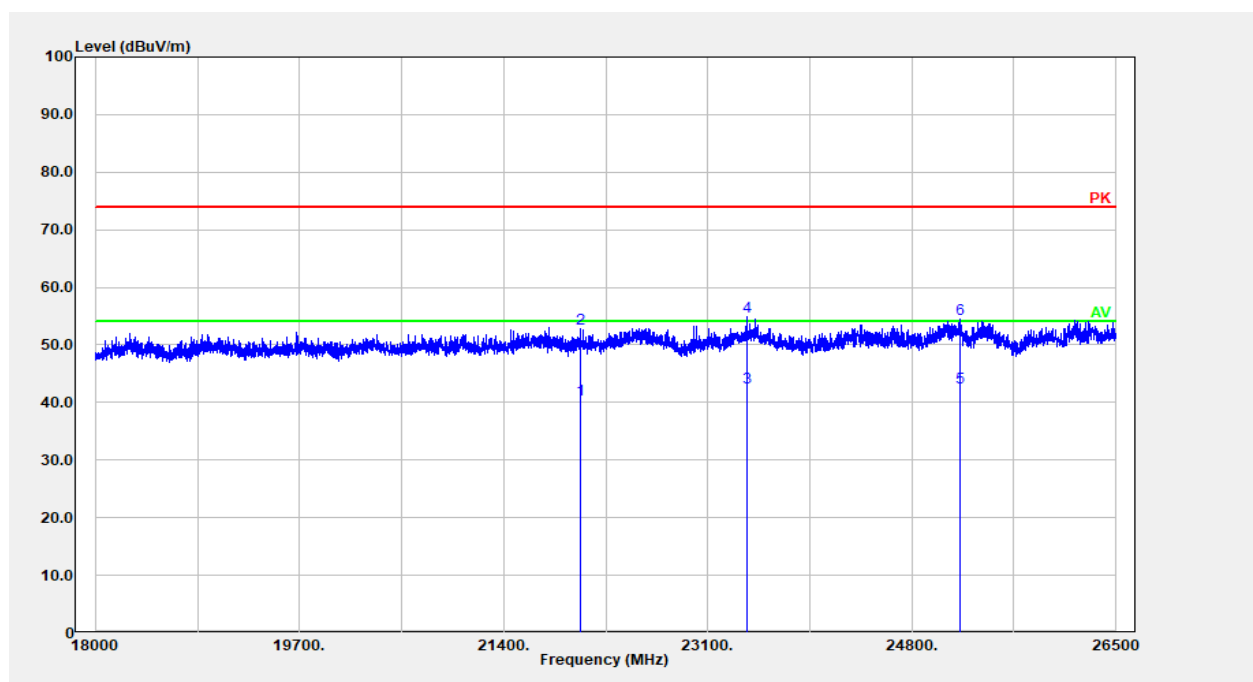
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 3447.490           | 23.22             | 8.44             | 31.66              | 54.00             | 22.34          | Average  |
| 2   | 3447.490           | 35.45             | 8.44             | 43.89              | 74.00             | 30.11          | Peak     |
| 3   | 4404.681           | 22.41             | 9.77             | 32.18              | 54.00             | 21.82          | Average  |
| 4   | 4404.681           | 34.74             | 9.77             | 44.51              | 74.00             | 29.49          | Peak     |
| 5   | 5123.825           | 23.04             | 11.43            | 34.47              | 54.00             | 19.53          | Average  |
| 6   | 5123.825           | 35.09             | 11.43            | 46.52              | 74.00             | 27.48          | Peak     |

**Horizontal:**

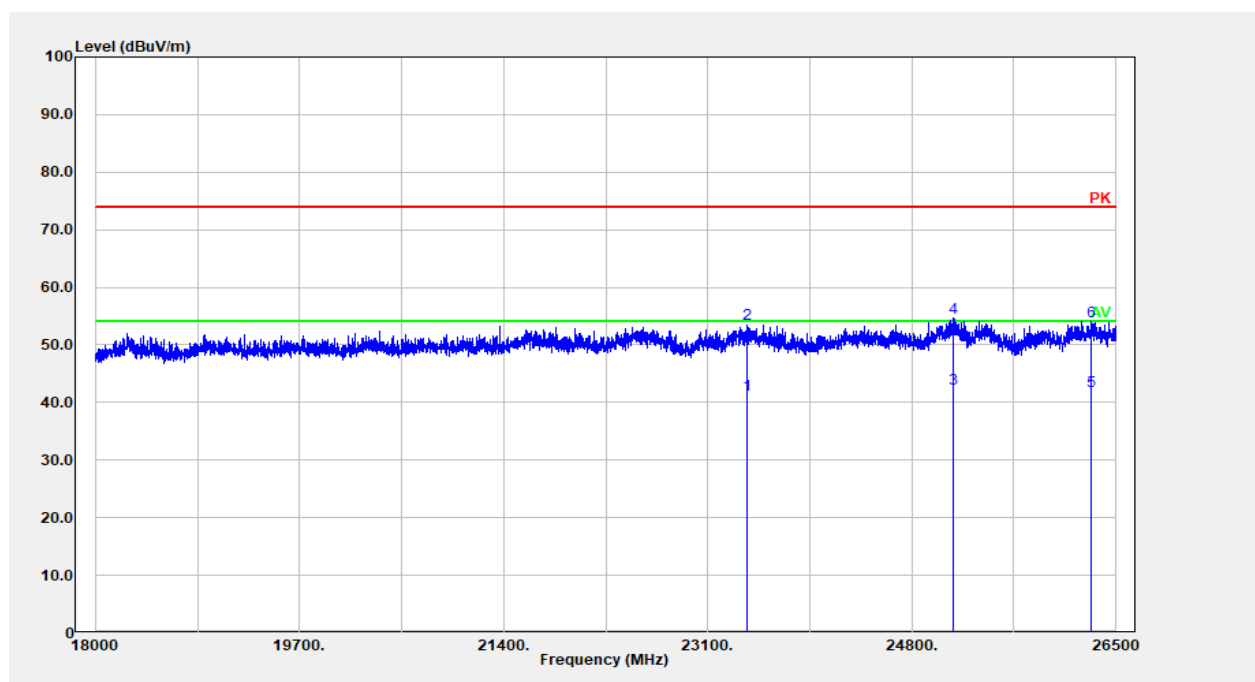
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 12037.210          | 21.44             | 20.28            | 41.72              | 54.00             | 12.28          | Average  |
| 2   | 12037.210          | 33.88             | 20.28            | 54.16              | 74.00             | 19.84          | Peak     |
| 3   | 14068.010          | 21.23             | 23.85            | 45.08              | 54.00             | 8.92           | Average  |
| 4   | 14068.010          | 33.44             | 23.85            | 57.29              | 74.00             | 16.71          | Peak     |
| 5   | 15741.150          | 25.03             | 21.25            | 46.28              | 54.00             | 7.72           | Average  |
| 6   | 15741.150          | 37.06             | 21.25            | 58.31              | 74.00             | 15.69          | Peak     |

**Vertical:**

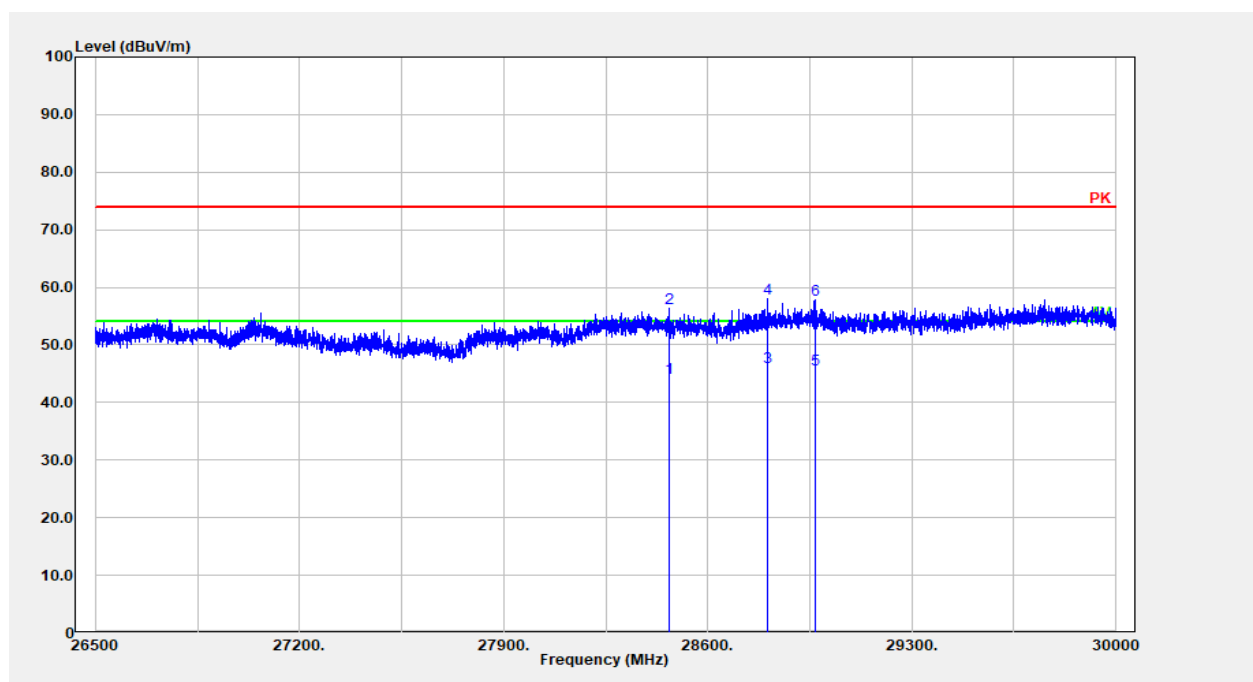
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 11914.780          | 21.16             | 20.58            | 41.74              | 54.00             | 12.26          | Average  |
| 2   | 11914.780          | 33.33             | 20.58            | 53.91              | 74.00             | 20.09          | Peak     |
| 3   | 14785.760          | 22.34             | 24.07            | 46.41              | 54.00             | 7.59           | Average  |
| 4   | 14785.760          | 34.66             | 24.07            | 58.73              | 74.00             | 15.27          | Peak     |
| 5   | 15697.940          | 25.12             | 21.23            | 46.35              | 54.00             | 7.65           | Average  |
| 6   | 15697.940          | 37.25             | 21.23            | 58.48              | 74.00             | 15.52          | Peak     |

**Horizontal:**

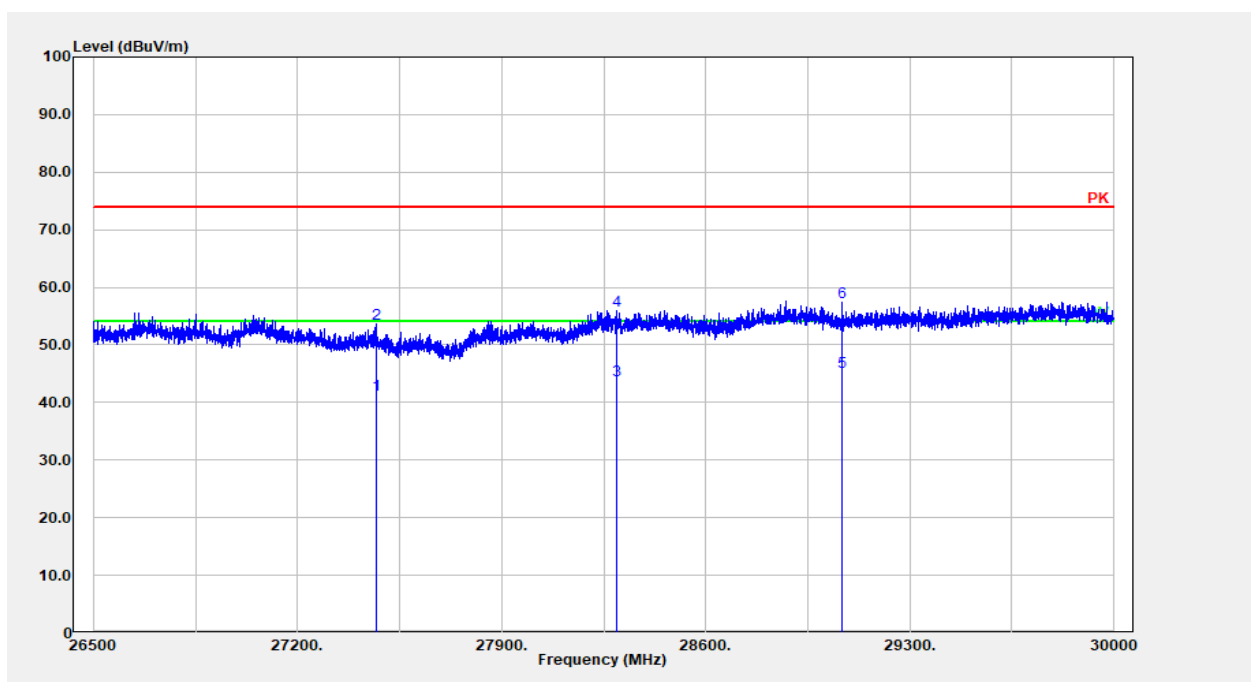
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 22040.010          | 31.43             | 9.00             | 40.43              | 54.00             | 13.57          | Average  |
| 2   | 22040.010          | 43.85             | 9.00             | 52.85              | 74.00             | 21.15          | Peak     |
| 3   | 23422.380          | 31.32             | 11.17            | 42.49              | 54.00             | 11.51          | Average  |
| 4   | 23422.380          | 43.74             | 11.17            | 54.91              | 74.00             | 19.09          | Peak     |
| 5   | 25207.740          | 29.07             | 13.52            | 42.59              | 54.00             | 11.41          | Average  |
| 6   | 25207.740          | 41.00             | 13.52            | 54.52              | 74.00             | 19.48          | Peak     |

**Vertical:**

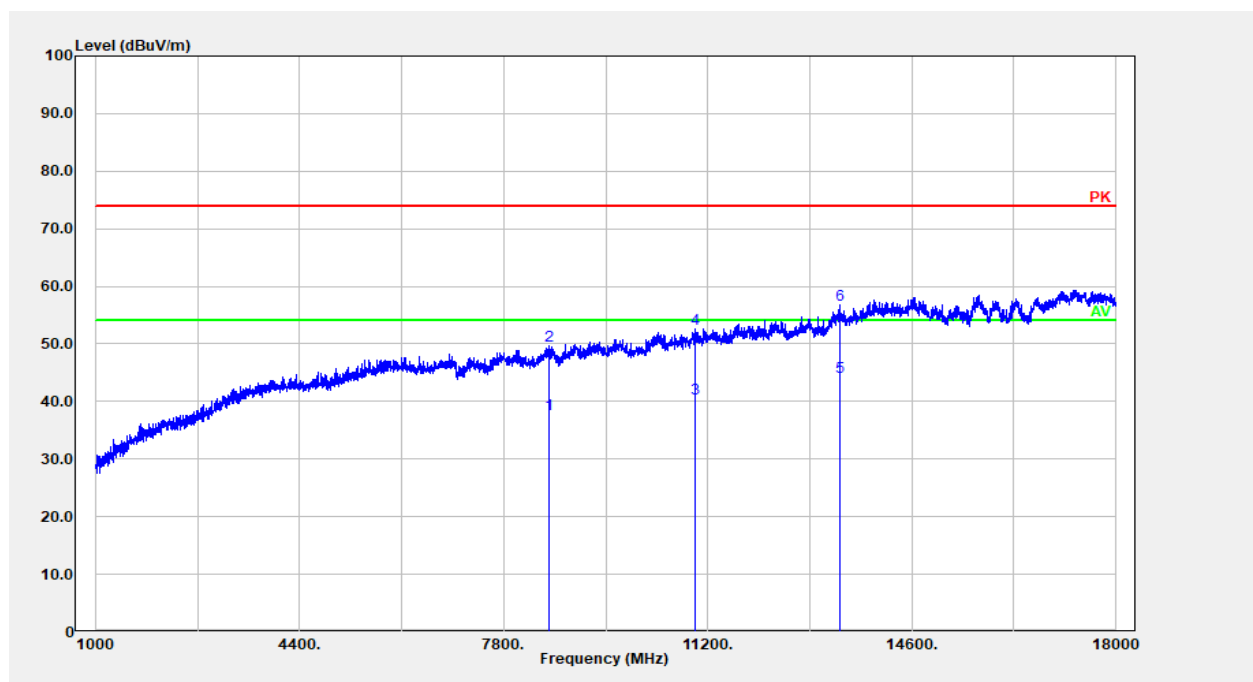
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 23427.490          | 30.13             | 11.18            | 41.31              | 54.00             | 12.69          | Average  |
| 2   | 23427.490          | 42.37             | 11.18            | 53.55              | 74.00             | 20.45          | Peak     |
| 3   | 25141.430          | 29.34             | 13.04            | 42.38              | 54.00             | 11.62          | Average  |
| 4   | 25141.430          | 41.68             | 13.04            | 54.72              | 74.00             | 19.28          | Peak     |
| 5   | 26294.260          | 29.06             | 12.91            | 41.97              | 54.00             | 12.03          | Average  |
| 6   | 26294.260          | 41.17             | 12.91            | 54.08              | 74.00             | 19.92          | Peak     |

**Horizontal:**

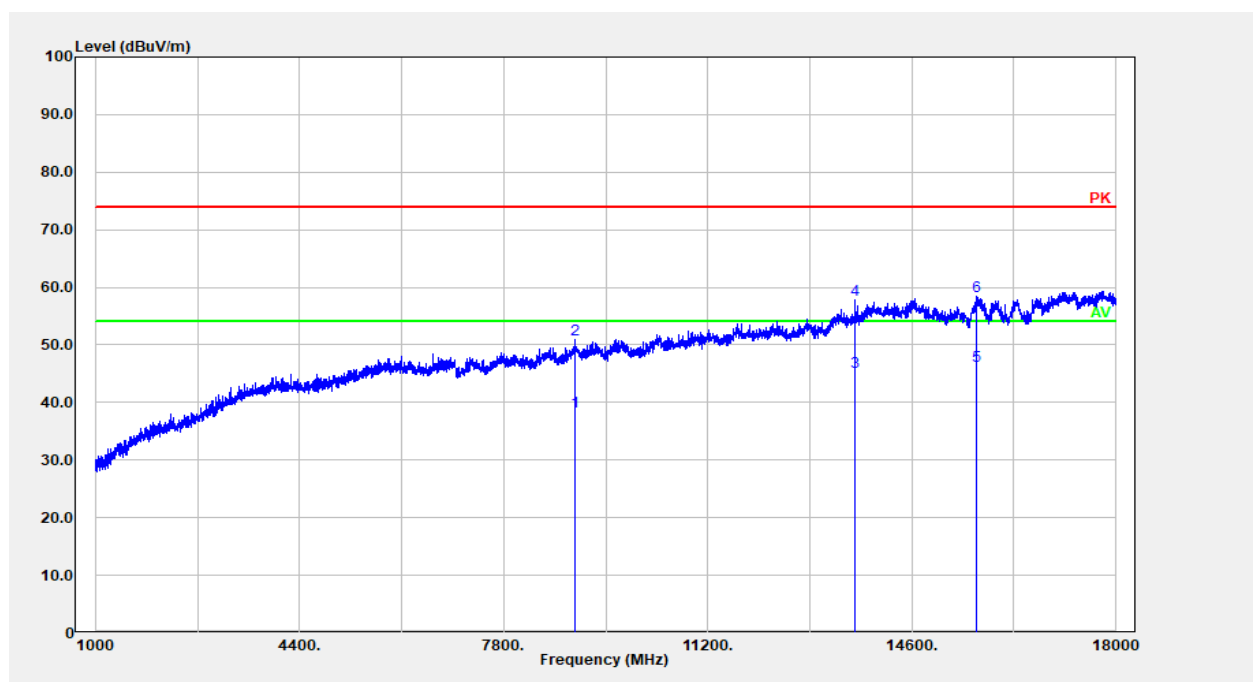
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 28466.690          | 30.15             | 14.04            | 44.19              | 54.00             | 9.81           | Average  |
| 2   | 28466.690          | 42.33             | 14.04            | 56.37              | 74.00             | 17.63          | Peak     |
| 3   | 28804.160          | 31.04             | 15.00            | 46.04              | 54.00             | 7.96           | Average  |
| 4   | 28804.160          | 43.09             | 15.00            | 58.09              | 74.00             | 15.91          | Peak     |
| 5   | 28969.390          | 31.08             | 14.65            | 45.73              | 54.00             | 8.27           | Average  |
| 6   | 28969.390          | 43.16             | 14.65            | 57.81              | 74.00             | 16.19          | Peak     |

**Vertical:**

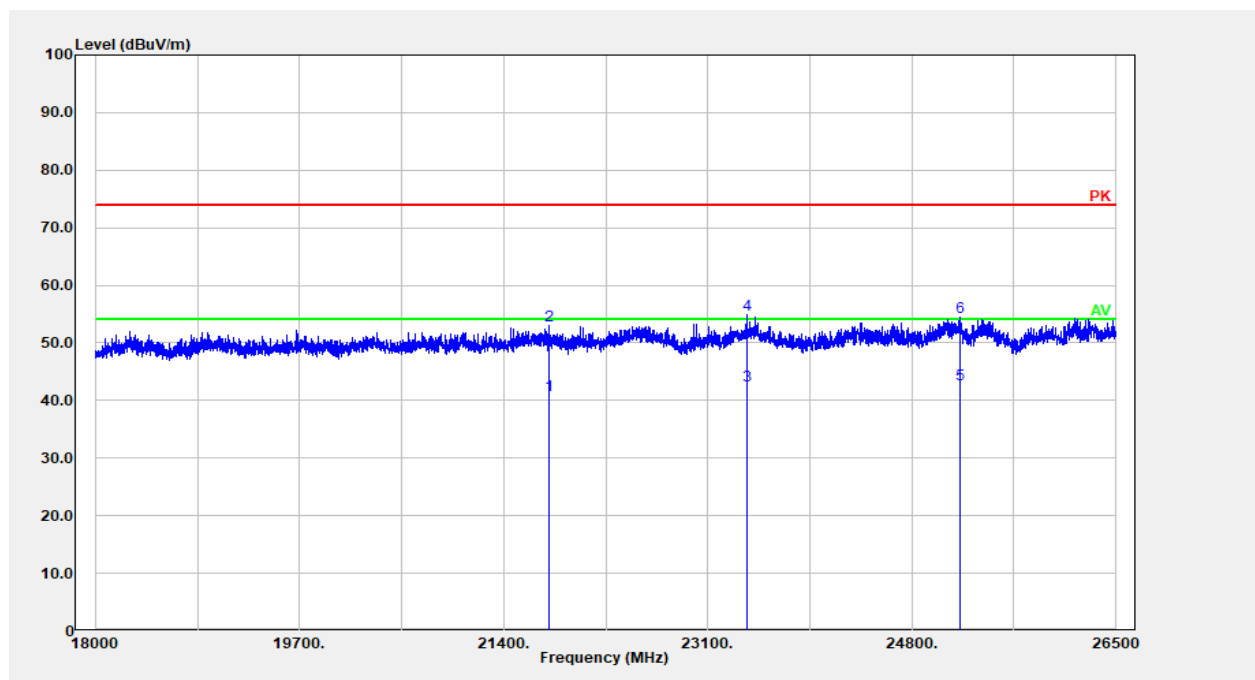
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 27469.690          | 27.34             | 13.91            | 41.25              | 54.00             | 12.75          | Average  |
| 2   | 27469.690          | 39.68             | 13.91            | 53.59              | 74.00             | 20.41          | Peak     |
| 3   | 28293.760          | 30.14             | 13.72            | 43.86              | 54.00             | 10.14          | Average  |
| 4   | 28293.760          | 42.28             | 13.72            | 56.00              | 74.00             | 18.00          | Peak     |
| 5   | 29066.710          | 31.04             | 14.32            | 45.36              | 54.00             | 8.64           | Average  |
| 6   | 29066.710          | 43.03             | 14.32            | 57.35              | 74.00             | 16.65          | Peak     |

**M3****Horizontal:**

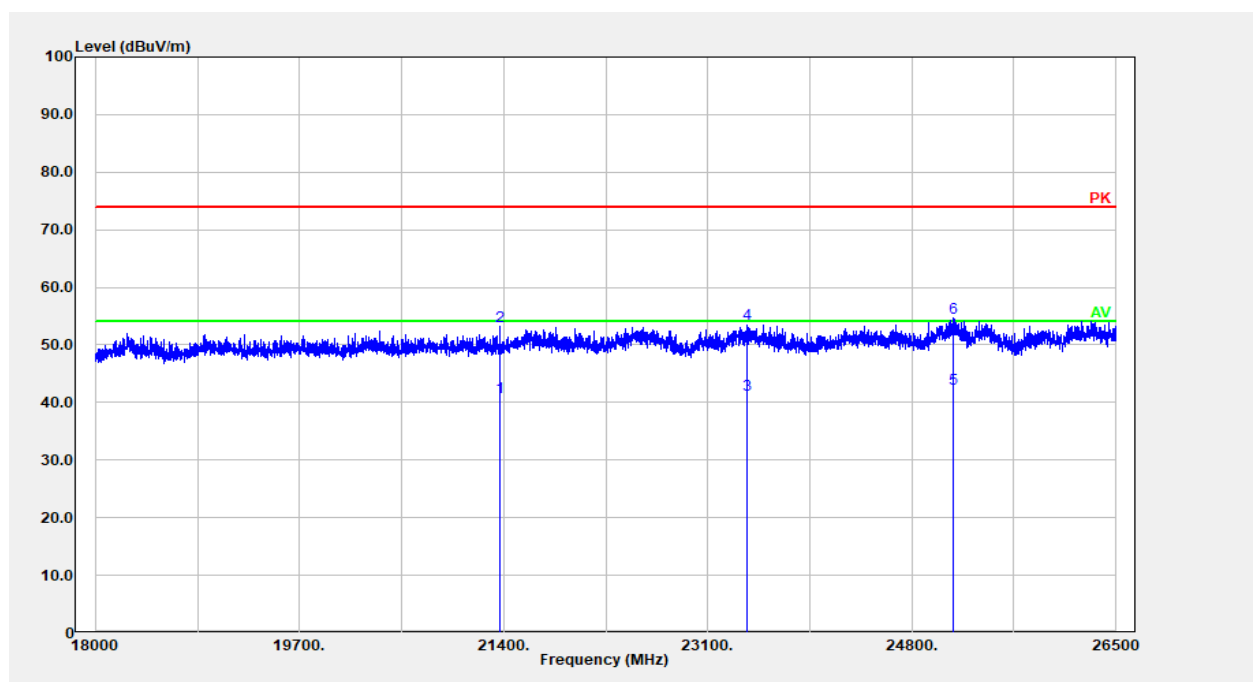
| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 8546.109        | 21.03          | 16.66         | 37.69           | 54.00          | 16.31       | Average  |
| 2   | 8546.109        | 33.01          | 16.66         | 49.67           | 74.00          | 24.33       | Peak     |
| 3   | 10984.400       | 21.13          | 19.31         | 40.44           | 54.00          | 13.56       | Average  |
| 4   | 10984.400       | 33.27          | 19.31         | 52.58           | 74.00          | 21.42       | Peak     |
| 5   | 13405.680       | 21.43          | 22.80         | 44.23           | 54.00          | 9.77        | Average  |
| 6   | 13405.680       | 33.97          | 22.80         | 56.77           | 74.00          | 17.23       | Peak     |

**Vertical:**

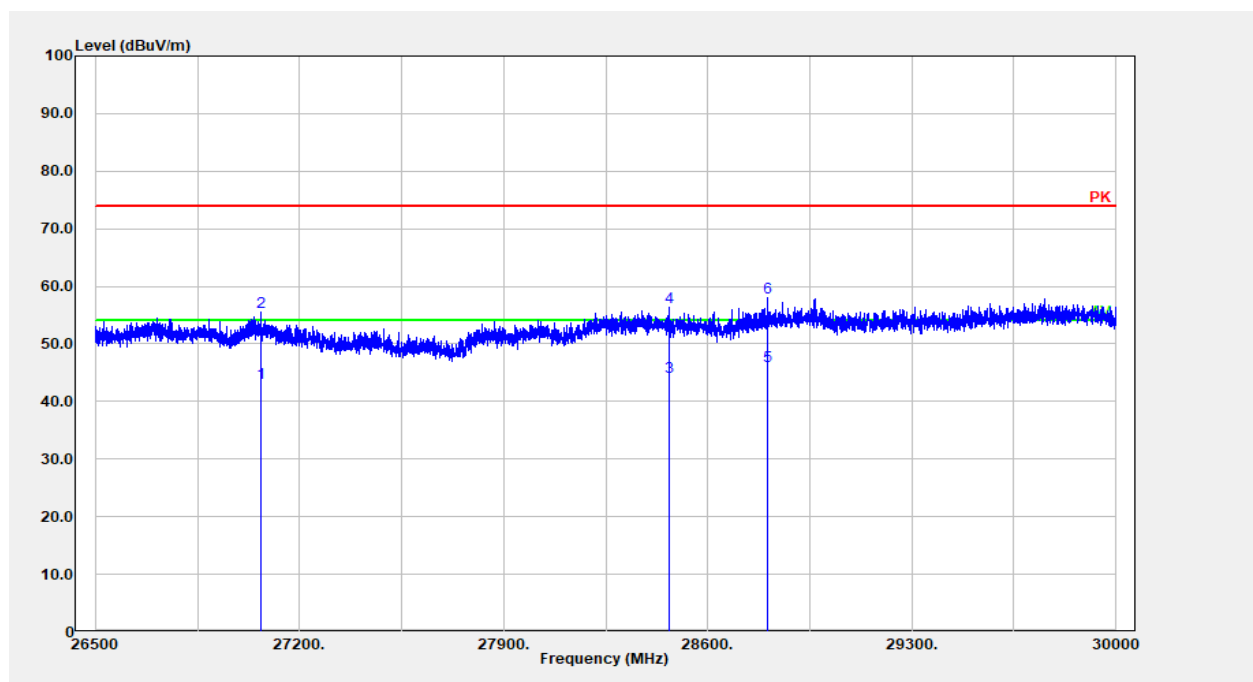
| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 8994.999           | 21.32             | 17.16            | 38.48              | 54.00             | 15.52          | Average  |
| 2   | 8994.999           | 33.75             | 17.16            | 50.91              | 74.00             | 23.09          | Peak     |
| 3   | 13650.530          | 22.41             | 22.87            | 45.28              | 54.00             | 8.72           | Average  |
| 4   | 13650.530          | 34.93             | 22.87            | 57.80              | 74.00             | 16.20          | Peak     |
| 5   | 15687.540          | 25.15             | 21.21            | 46.36              | 54.00             | 7.64           | Average  |
| 6   | 15687.540          | 37.31             | 21.21            | 58.52              | 74.00             | 15.48          | Peak     |

**Horizontal:**

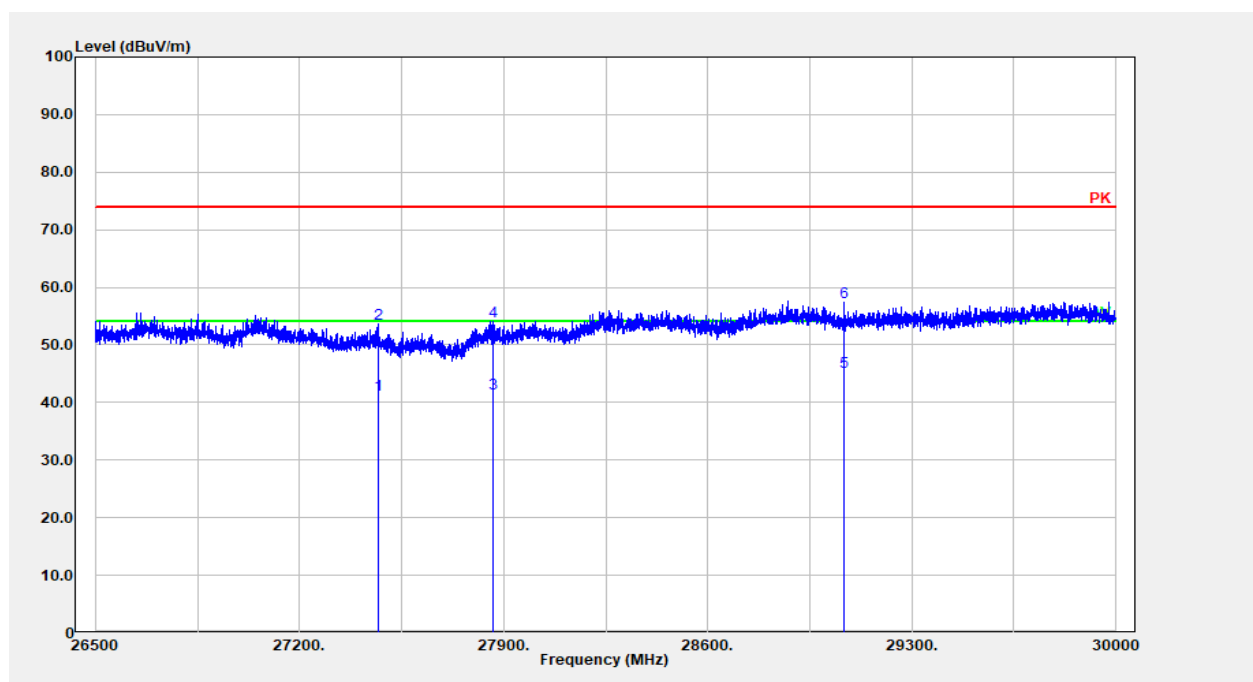
| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|----------|
| 1   | 21773.050       | 32.14          | 8.74          | 40.88           | 54.00          | 13.12       | Average  |
| 2   | 21773.050       | 44.29          | 8.74          | 53.03           | 74.00          | 20.97       | Peak     |
| 3   | 23422.380       | 31.32          | 11.17         | 42.49           | 54.00          | 11.51       | Average  |
| 4   | 23422.380       | 43.74          | 11.17         | 54.91           | 74.00          | 19.09       | Peak     |
| 5   | 25207.740       | 29.21          | 13.52         | 42.73           | 54.00          | 11.27       | Average  |
| 6   | 25207.740       | 41.00          | 13.52         | 54.52           | 74.00          | 19.48       | Peak     |

**Vertical:**

| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 21364.970          | 32.43             | 8.39             | 40.82              | 54.00             | 13.18          | Average  |
| 2   | 21364.970          | 44.77             | 8.39             | 53.16              | 74.00             | 20.84          | Peak     |
| 3   | 23427.490          | 30.13             | 11.18            | 41.31              | 54.00             | 12.69          | Average  |
| 4   | 23427.490          | 42.37             | 11.18            | 53.55              | 74.00             | 20.45          | Peak     |
| 5   | 25141.430          | 29.34             | 13.04            | 42.38              | 54.00             | 11.62          | Average  |
| 6   | 25141.430          | 41.68             | 13.04            | 54.72              | 74.00             | 19.28          | Peak     |

**Horizontal:**

| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 27065.710          | 29.13             | 14.11            | 43.24              | 54.00             | 10.76          | Average  |
| 2   | 27065.710          | 41.36             | 14.11            | 55.47              | 74.00             | 18.53          | Peak     |
| 3   | 28466.690          | 30.15             | 14.04            | 44.19              | 54.00             | 9.81           | Average  |
| 4   | 28466.690          | 42.33             | 14.04            | 56.37              | 74.00             | 17.63          | Peak     |
| 5   | 28804.160          | 31.04             | 15.00            | 46.04              | 54.00             | 7.96           | Average  |
| 6   | 28804.160          | 43.09             | 15.00            | 58.09              | 74.00             | 15.91          | Peak     |

**Vertical:**

| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|------------------|--------------------|-------------------|----------------|----------|
| 1   | 27469.690          | 27.34             | 13.91            | 41.25              | 54.00             | 12.75          | Average  |
| 2   | 27469.690          | 39.68             | 13.91            | 53.59              | 74.00             | 20.41          | Peak     |
| 3   | 27864.570          | 27.31             | 14.33            | 41.64              | 54.00             | 12.36          | Average  |
| 4   | 27864.570          | 39.74             | 14.33            | 54.07              | 74.00             | 19.93          | Peak     |
| 5   | 29066.710          | 31.01             | 14.32            | 45.33              | 54.00             | 8.67           | Average  |
| 6   | 29066.710          | 43.03             | 14.32            | 57.35              | 74.00             | 16.65          | Peak     |

===== END OF REPORT =====