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CNAS L1659

# EMC TEST REPORT

**Report No.:** SET2018-02873

**Product:** Multifunction Digital Product (Copier/Printer/Scanner/Fax)

**Model No. :** SP 330SFN, SP 3710SF

**FCC ID:** BBP-MFSP330SFN1

**Applicant:** RICOH Co., LTD.

**Issued by:** CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.

**Lab Location:** Building 28/29, East of Shigu Xili Industrial Zone, Nanshan District, Shenzhen ,Guangdong , China

**Tel:** 86 755 26627338 **Fax:** 86 755 26627238



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**Query No. :2RHFU43Z**

## Test Report

**Product** ..... Multifunction Digital Product (Copier/Printer/Scanner/Fax)

**Model No.** ..... SP 330SFN, SP 3710SF

**Applicant** ..... RICOH Co., LTD.

**Applicant Address** ..... 2-7-1 Izumi Ebina Kanagawa 243-0460 Japan

**Manufacturer** ..... RICOH Co., LTD.

**Manufacturer Address** .... 2-7-1 Izumi Ebina Kanagawa 243-0460 Japan

**Test Standards**..... FCC PART 15 Subpart B  
ANSI C63.4: 2014

**Test Result**..... PASS

**Tested by** ..... Zhang Peng Apr 6, 2018

Signature, Date

**Reviewed by** .....

Zhu Qi Apr 6, 2018

Signature, Date

**Approved by**..... Smarelli Apr 6, 2018

Signature, Date



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# 1 General Information

## 1.1 Description of EUT

**Product:** Multifunction Digital Product (Copier/Printer/Scanner/Fax)  
**Model No.:** SP 330SFN  
**Brand Name:** RICOH  
**Serial No.:** 5157ZC17005  
**I/O Ports:** LAN 、 USB、 Line  
**Accessories:** Power cable, line

### Note:

The EUT is class B information technology equipment according to FCC PART 15. For more detailed features description about the EUT, please refer to User's Manual.

Perform ElectroMagnetic Interference measurement in accordance with FCC 47CFR [Codes of Federal Regulations] Part 15 and ANSI C63.4: 2014 for FCC ID

The EUT have USB port, which can be connected to the WiFi module for WiFi printing operation mode.

### Short description of the equipment under test (EUT)

Model difference:

The EUT is a multifunction digital printer with copier, scanner and fax.

All models have same construction except some below functions,

And differences functions of these models are listed as follows:

| Model                   | SP 330SFN | SP 3710SF |
|-------------------------|-----------|-----------|
| Deviations              |           |           |
| Print function          | ○         | ○         |
| Copy Function           | ○         | ○         |
| Scan Function           | ○         | ○         |
| Fax Function            | ○         | ○         |
| Scan to USB Memory      | ○         | ○         |
| Wifi Modular            | △         | △         |
| Wired NFC               | ○         | ○         |
| Scanner and ADF Module  | ×         | ×         |
| Scanner and ARDF Module | ○         | ○         |
| Bank Module             | △         | △         |
| AIO Volume(1K)          | ○         | ×         |
| AIO Volume(7K)          | ×         | ○         |
| Print Speed: 32PPM      | ○         | ○         |

X: No; O: Yes; △: option

Unless otherwise specified, the model SP 330SFN was chosen as representative model to perform all the tests.

**1.2 EUT Information**

| Kind of equipment | Manufacturer | Model name | Serial number | Remarks |
|-------------------|--------------|------------|---------------|---------|
| EUT               | RICOH        | SP 330SFN  | 5157ZC27005   |         |

Note: The wireless routers are used to connect printers and computers to test printer's WiFi printing mode.

**1.3 Highest Frequency Generated or Used in The Device or on Which the Device Operates**

| Kind of equipment | Mode name | Operates Frequency | Remark |
|-------------------|-----------|--------------------|--------|
| EUT               | SP 330SFN | 5.32GHz            | WiFi   |

## 2 Test Facilities and Configuration

### 2.1 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 15-35°C
- Humidity: 30-60 %
- Atmospheric pressure: 86-106 kPa

### 2.2 Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in Measurement” (GUM) published by ISO.

- Uncertainty of Conducted Emission,  $U_c = \pm 1.8\text{dB}$
- Uncertainty of Radiated Emission,  $U_c = \pm 5.0\text{dB}$

### 2.3 Associated Equipments

| Kind of equipment | Manufacturer | Model name                   | Serial number        | Remarks                                |
|-------------------|--------------|------------------------------|----------------------|----------------------------------------|
| Notebook 1        | LENOVO       | ThinkPad X250                | PC090M90             | For EMI                                |
| USB Memory        | SanDisk      | BL170525264V                 | —                    |                                        |
| Key board         | DELL         | L100                         | CN0RH6566589079K0277 |                                        |
| Mouse             | DELL         | MOC5U0                       | H0F02OCQ             |                                        |
| Option (BANK)     | RICOH        | Paper Feed Unit PB1130       | JM534Q00001          |                                        |
| Option (WiFi)     | CC&C         | WLAN 11ac/11n 1x1USB Adapter | -                    | WL-8211-V1<br>FCCID code : PANRCO330.. |

### 2.4 Cables Used

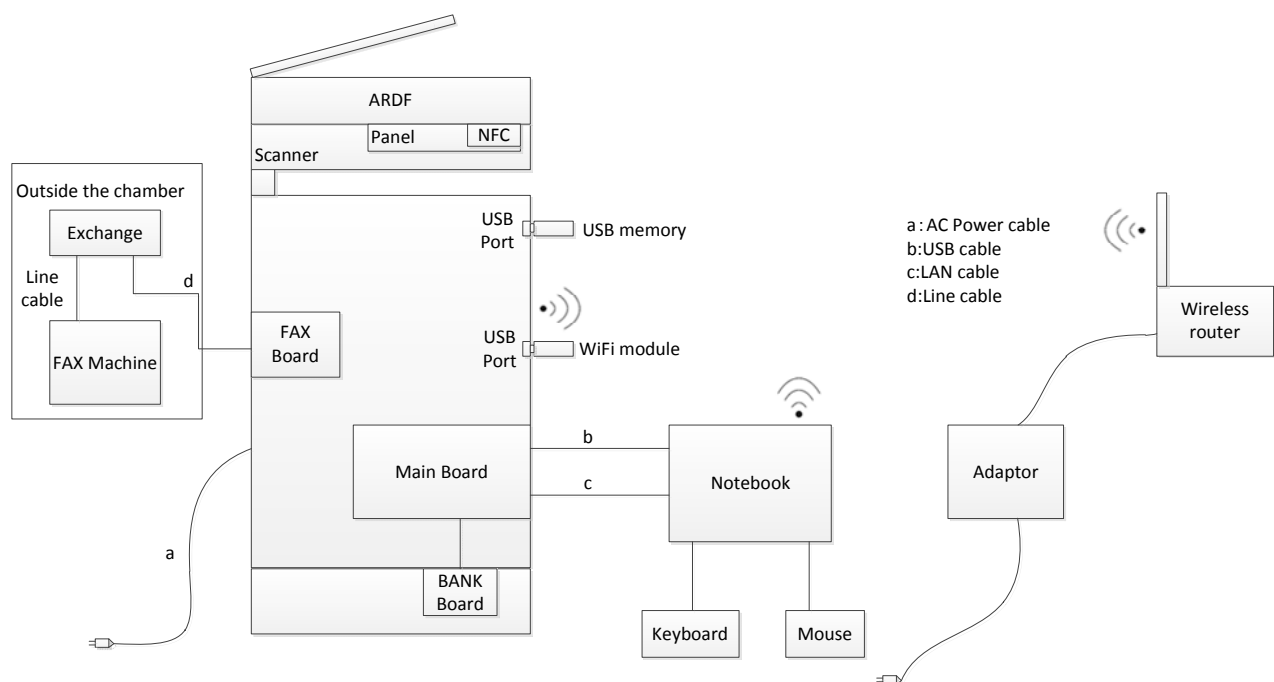
|   | Cable Name    | Length | Shielded | Maker       | Remarks |
|---|---------------|--------|----------|-------------|---------|
| 1 | USB Cable     | 2m     | YES      | New Nam Lee |         |
| 2 | NIC Cable     | 3m     | No       | SANWA       |         |
| 3 | Power Cable   | 1.5m   | No       | BizLink     |         |
| 4 | Modular Cable | 2m     | No       | --          |         |

## 2.5 Test Configure

### Operating modes:

| No. | Operating modes                | Remarks |
|-----|--------------------------------|---------|
| 1   | Standby                        |         |
| 2   | Copy +NIC Ping                 |         |
| 3   | WIFI SCAN+USB PRINT            |         |
| 4   | WIFI PRINT+USB SCAN            |         |
| 5   | NIC Print + Scan to USB memory |         |
| 6   | FX TX                          |         |
| 7   | FX RX                          |         |
| 8   | Copy                           |         |

### EUT Setup



## 2.6 Measurement Equipments Used

| Description              | Manufacturer      | Model No.                                        | Serial No. | Cal. Date     | Cal. Due Date |
|--------------------------|-------------------|--------------------------------------------------|------------|---------------|---------------|
| Test Receiver            | ROHDE&SCHW<br>ARZ | ESCS30                                           | A0304260   | Jun.10, 2017  | Jun.10, 2018  |
| LISN                     | ROHDE&SCHW<br>ARZ | ESH2-Z5                                          | A0304221   | Jun.10, 2017  | Jun.10, 2018  |
| Shield Room              | Nanbo Tech        | RF-2<br>10.5×5×3.2<br>(m)                        | A0301188   | Oct.25, 2017  | Oct.25,2018   |
| Ultra-Broadband<br>Ant.  | SCHWARZBEC<br>K   | VULB 09160                                       | A0805560   | Jun.10, 2017  | Jun.10, 2018  |
| Test Receiver            | ROHDE&SCHW<br>ARZ | ESU8                                             | A0805559   | Jun.10, 2017  | Jun.10, 2018  |
| Semi-Anechoic<br>Chamber | Albatross         | SAC-10MAC1<br>9.6*11.8*8.55<br>m                 | A0802520   | Jun.10, 2017  | Jun.10, 2018  |
| Horn Ant.                | ETS               | 3160-09                                          | /          | Aug.29, 2017  | Aug.28, 2018  |
| Horn Ant.                | ETS               | 3160-10                                          | /          | Aug.29, 2017  | Aug.28, 2018  |
| Test Receiver            | ROHDE&SCHW<br>ARZ | ESIB7                                            | A0501375   | Aug.5, 2017   | Aug.4, 2018   |
| Broadband Ant.           | ETC               | MCTD2786                                         | A150402239 | Feb. 25, 2015 | Feb.25, 2019  |
| Band Reject Filter       | Wainwright        | WRCTF2402/<br>2480-2400/24<br>83.5-35/12+9S<br>S | H257/22721 | Jun.10,2017   | Jun.9,2018    |

**NOTE:** Equipments above have been calibrated and are in the period of validation.

### 3 Summary of Test Results

The EUT has been tested according to the following specifications:

| EMISSION                                       |                           |                 |        |
|------------------------------------------------|---------------------------|-----------------|--------|
| Test Condition                                 | Test Requirement          | Test Method     | Result |
| Radiated Emissions                             | FCC 47CFR Part15 SubpartB | ANSI C63.4:2014 | PASS   |
| Conducted Emissions on AC,<br>0.15MHz to 30MHz | FCC 47CFR Part15 SubpartB | ANSI C63.4:2014 | PASS   |

## **4 Emission Test**

### **4.1 EUT Setup and Operation**

The EUT was powered by 120V AC Mains

The EUT continuously operated during the test modes as section 2.5.

The EUT and cables, and operation modes were configured to produce the maximum level of emissions.



#### **4.2.4 Test Result**

Environment Condition:

Temperature: 23°C; Relative Humidity: 52%; Pressure:101kPa

Test Date: 2018-04-04

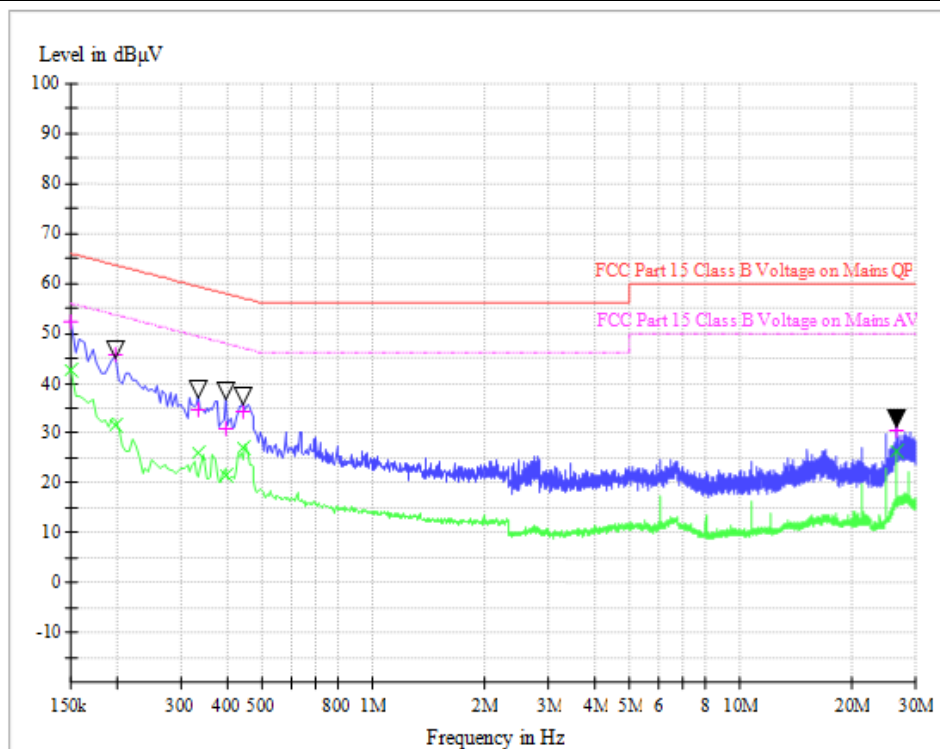
Test Engineer: Cheng Weichang

Test Site: Shield Room Site 1

Test Mode: Mode 1-8

**1. Conducted Disturbance at Mains Terminals (Standby Mode)**

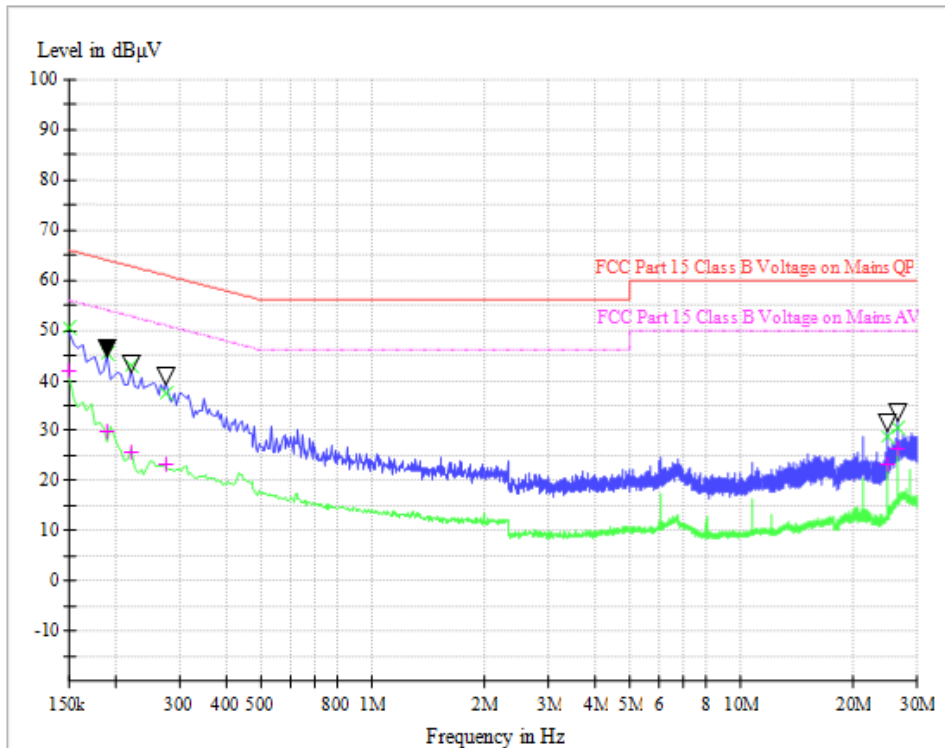
| <b>Conducted Disturbance at Mains Terminals (Standby Mode)</b> |                     |                               |                     |                 |                     |                               |                     |
|----------------------------------------------------------------|---------------------|-------------------------------|---------------------|-----------------|---------------------|-------------------------------|---------------------|
| <b>L Test Data</b>                                             |                     |                               |                     |                 |                     |                               |                     |
| <b>QP</b>                                                      |                     |                               |                     | <b>CAV</b>      |                     |                               |                     |
| Frequency (MHz)                                                | Limits (dB $\mu$ V) | Measurement Value(dB $\mu$ V) | Margin (dB $\mu$ V) | Frequency (MHz) | Limits (dB $\mu$ V) | Measurement Value(dB $\mu$ V) | Margin (dB $\mu$ V) |
| 0.1500                                                         | 66.0                | 52.32                         | 13.68               | 0.1500          | 56.0                | 42.65                         | 13.35               |
| 0.1995                                                         | 63.6                | 45.80                         | 17.83               | 0.1995          | 53.6                | 31.58                         | 22.05               |
| 0.3345                                                         | 59.3                | 34.80                         | 24.54               | 0.3345          | 49.3                | 25.83                         | 23.51               |
| 0.3975                                                         | 57.9                | 30.94                         | 26.97               | 0.3975          | 47.9                | 21.53                         | 26.38               |
| 0.4425                                                         | 57.0                | 34.27                         | 22.74               | 0.4425          | 47.0                | 27.00                         | 20.01               |
| 26.6145                                                        | 60.0                | 30.53                         | 29.47               | 26.6145         | 50.0                | 26.37                         | 23.63               |

**L Test Curve****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**Conducted Disturbance at Mains Terminals (Standby Mode)****N Test Data**

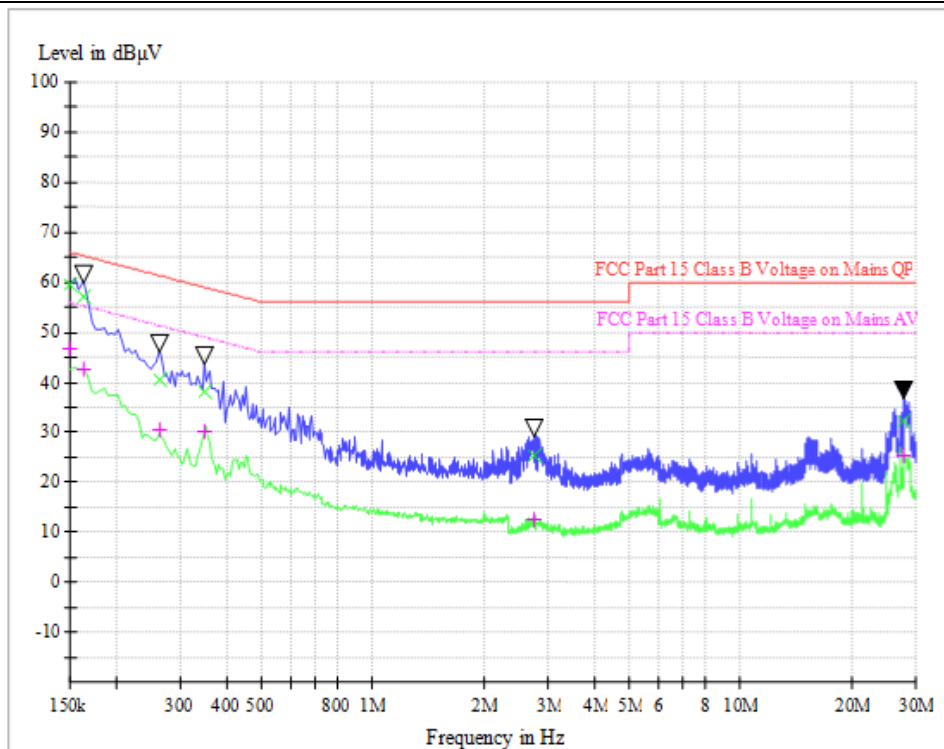
| QP                 |                        |                                  |                        | CAV                |                        |                                  |                        |
|--------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500             | 66.0                   | 50.52                            | 15.48                  | 0.1500             | 56.0                   | 41.92                            | 14.08                  |
| 0.1905             | 64.0                   | 45.23                            | 18.78                  | 0.1905             | 54.0                   | 29.82                            | 24.19                  |
| 0.2220             | 62.7                   | 42.80                            | 19.94                  | 0.2220             | 52.7                   | 25.62                            | 27.12                  |
| 0.2760             | 60.9                   | 37.26                            | 23.68                  | 0.2760             | 50.9                   | 23.16                            | 27.78                  |
| 25.0575            | 60.0                   | 28.86                            | 31.14                  | 25.0575            | 50.0                   | 23.27                            | 26.73                  |
| 26.6145            | 60.0                   | 30.53                            | 29.47                  | 26.6145            | 50.0                   | 26.48                            | 23.52                  |

**N Test Curve****NOTE:**

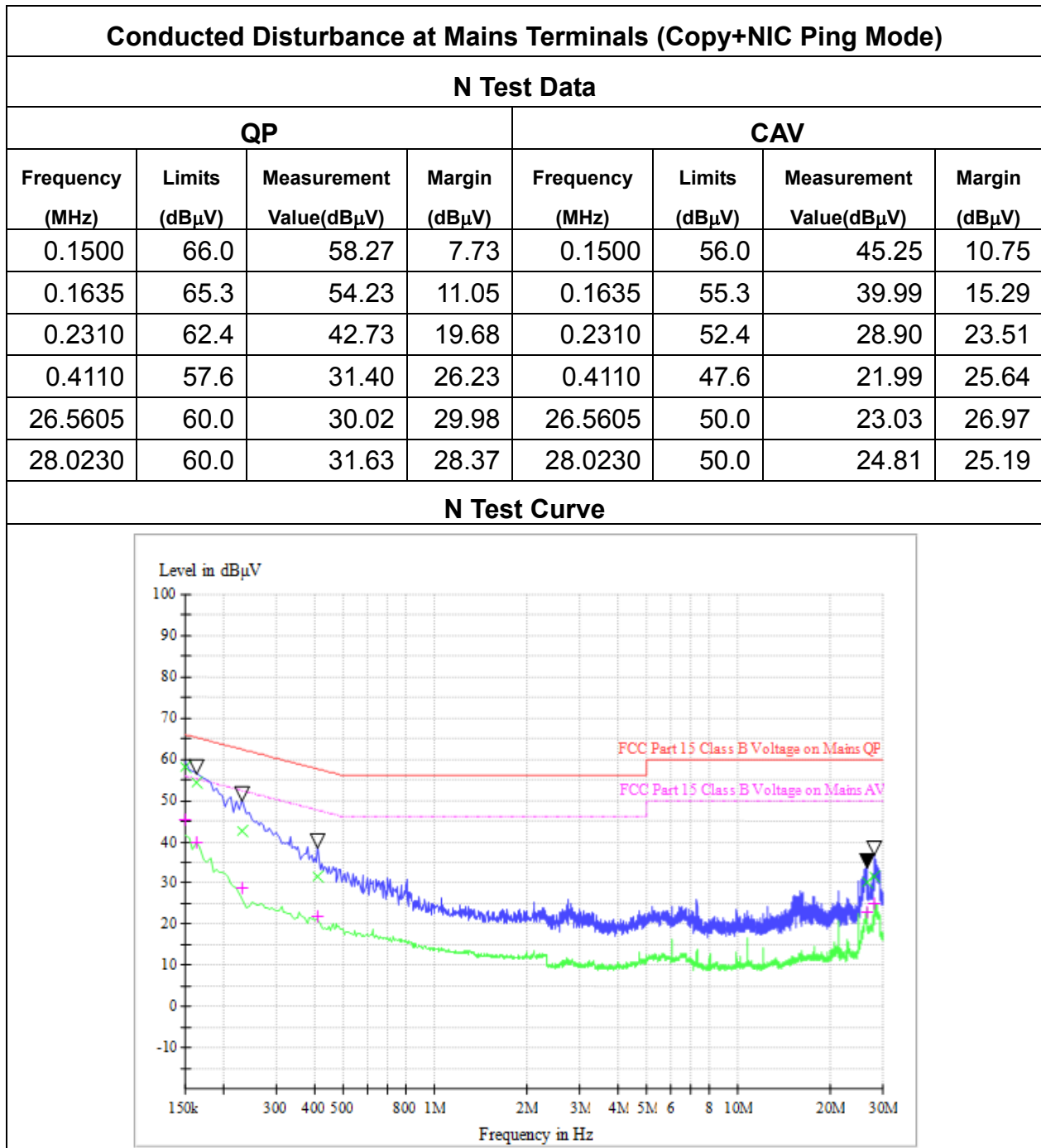
1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**2. Conducted Disturbance at Mains Terminals (Copy+NIC Ping Mode)**

| Conducted Disturbance at Mains Terminals (Copy+NIC Ping Mode) |                        |                                  |                        |                    |                        |                                  |                        |
|---------------------------------------------------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| L Test Data                                                   |                        |                                  |                        |                    |                        |                                  |                        |
| QP                                                            |                        |                                  |                        | CAV                |                        |                                  |                        |
| Frequency<br>(MHz)                                            | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500                                                        | 66.0                   | 59.71                            | 6.29                   | 0.1500             | 56.0                   | 46.61                            | 9.39                   |
| 0.1635                                                        | 65.3                   | 57.14                            | 8.14                   | 0.1635             | 55.3                   | 42.61                            | 12.67                  |
| 0.2625                                                        | 61.4                   | 40.55                            | 20.80                  | 0.2625             | 51.4                   | 30.32                            | 21.03                  |
| 0.3480                                                        | 59.0                   | 38.09                            | 20.92                  | 0.3480             | 49.0                   | 30.13                            | 18.88                  |
| 2.7510                                                        | 56.0                   | 25.21                            | 30.79                  | 2.7510             | 46.0                   | 12.43                            | 33.57                  |
| 27.9195                                                       | 60.0                   | 32.36                            | 27.64                  | 27.9195            | 50.0                   | 25.24                            | 24.76                  |

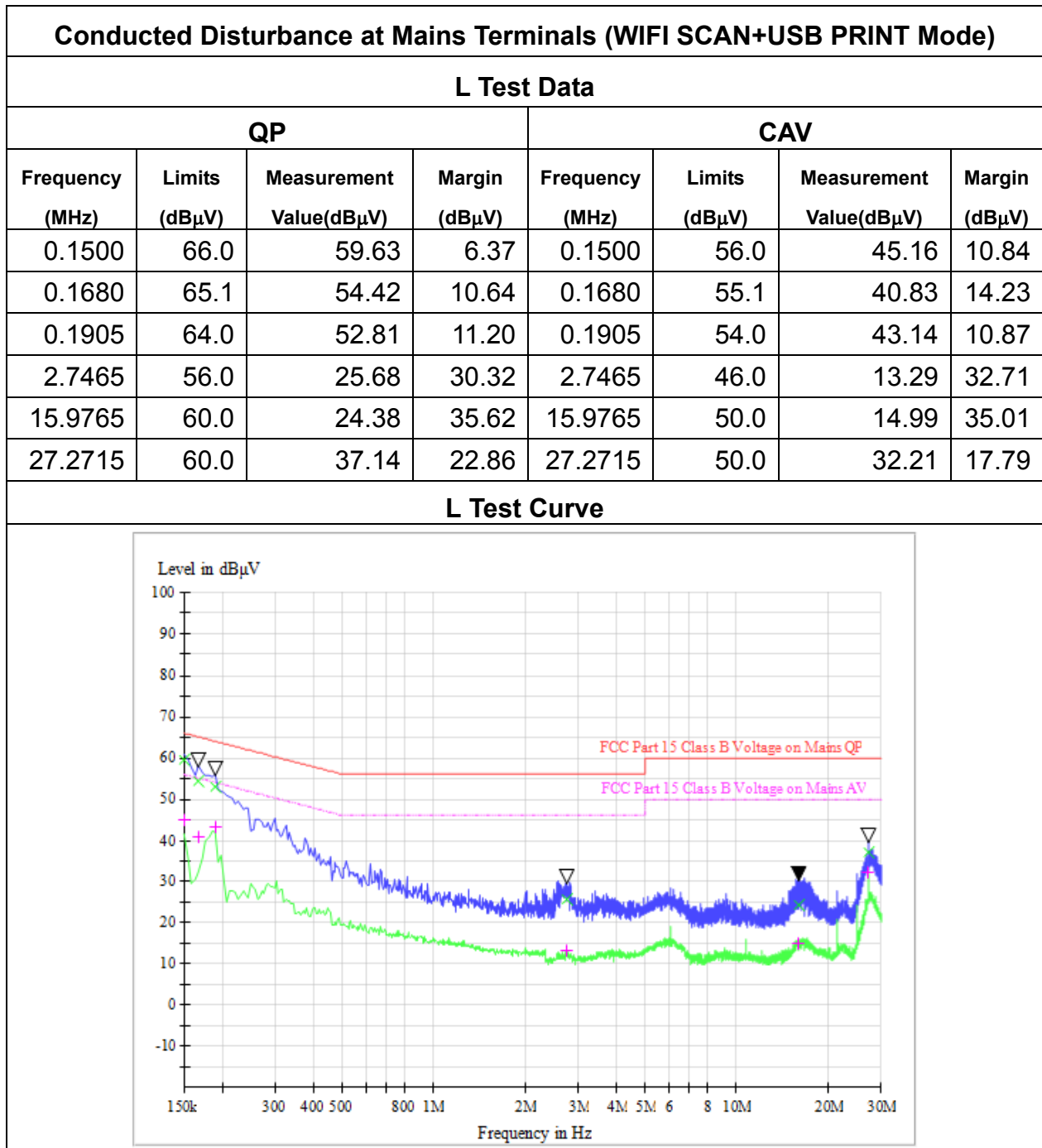
**L Test Curve****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

### 3. Conducted Disturbance at Mains Terminals (WIFI SCAN+USB PRINT Mode)

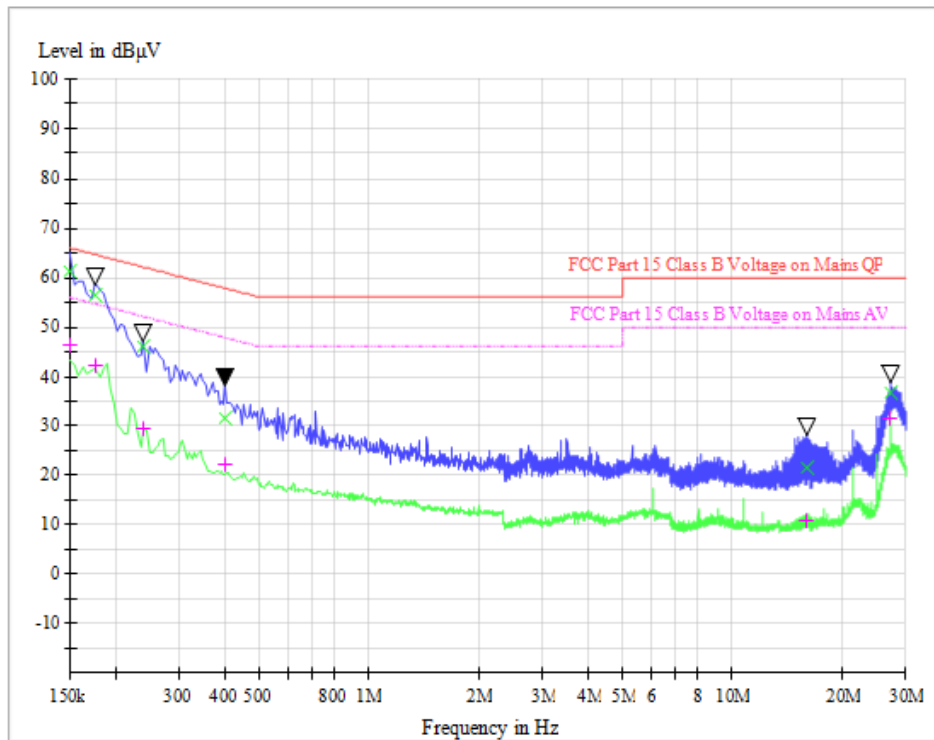


#### NOTE:

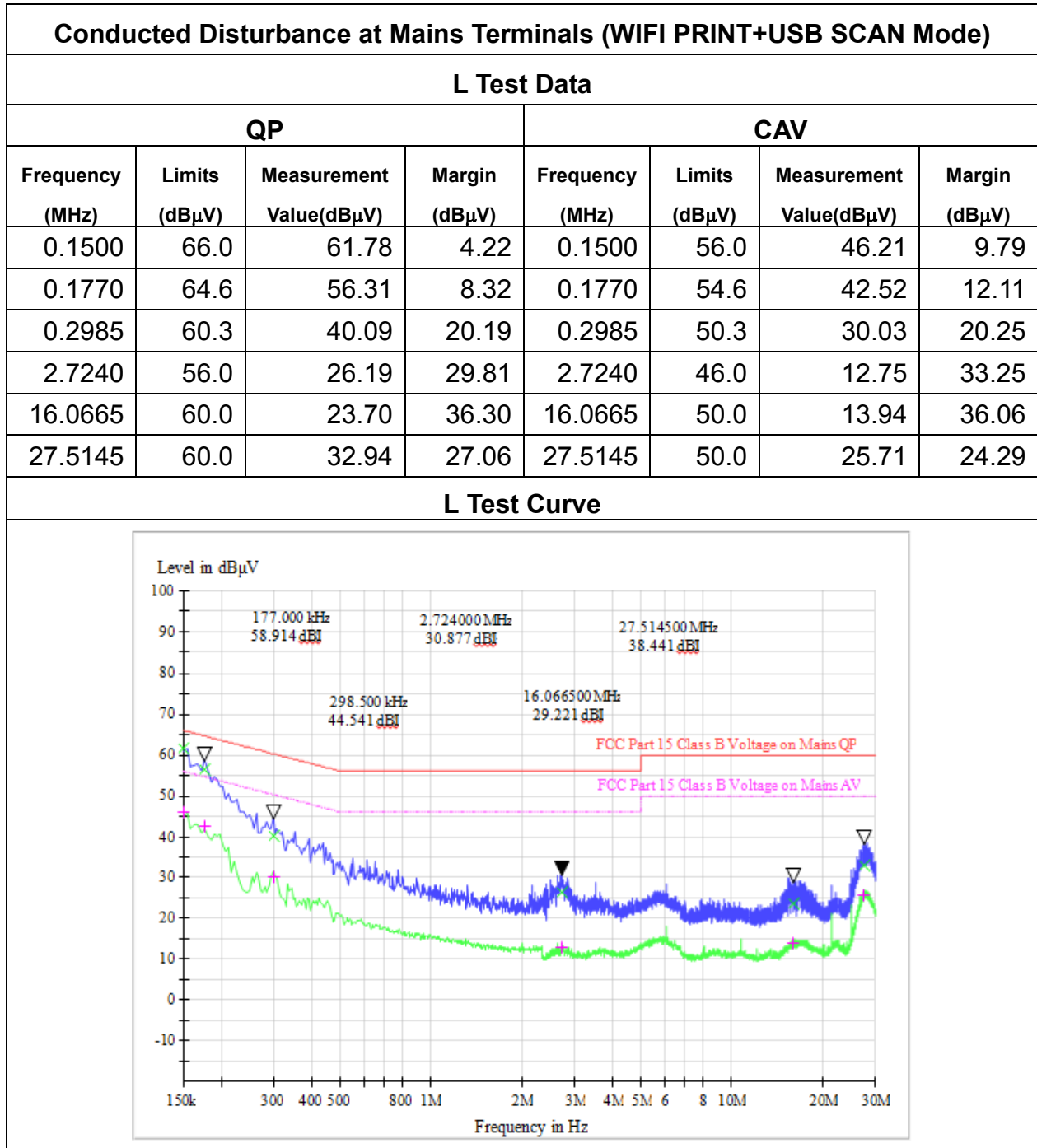
1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**Conducted Disturbance at Mains Terminals (WIFI SCAN+USB PRINT Mode)****N Test Data**

| QP                 |                        |                                  |                        | CAV                |                        |                                  |                        |
|--------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500             | 66.0                   | 61.25                            | 4.75                   | 0.1500             | 56.0                   | 46.43                            | 9.57                   |
| 0.1770             | 64.6                   | 56.41                            | 8.22                   | 0.1770             | 54.6                   | 42.26                            | 12.37                  |
| 0.2400             | 62.1                   | 46.17                            | 15.93                  | 0.2400             | 52.1                   | 29.53                            | 22.57                  |
| 0.4020             | 57.8                   | 31.52                            | 26.29                  | 0.4020             | 47.8                   | 22.13                            | 25.68                  |
| 15.9405            | 60.0                   | 21.39                            | 38.61                  | 15.9405            | 50.0                   | 10.64                            | 39.36                  |
| 27.2760            | 60.0                   | 36.57                            | 23.43                  | 27.2760            | 50.0                   | 31.48                            | 18.52                  |

**N Test Curve****NOTE:**

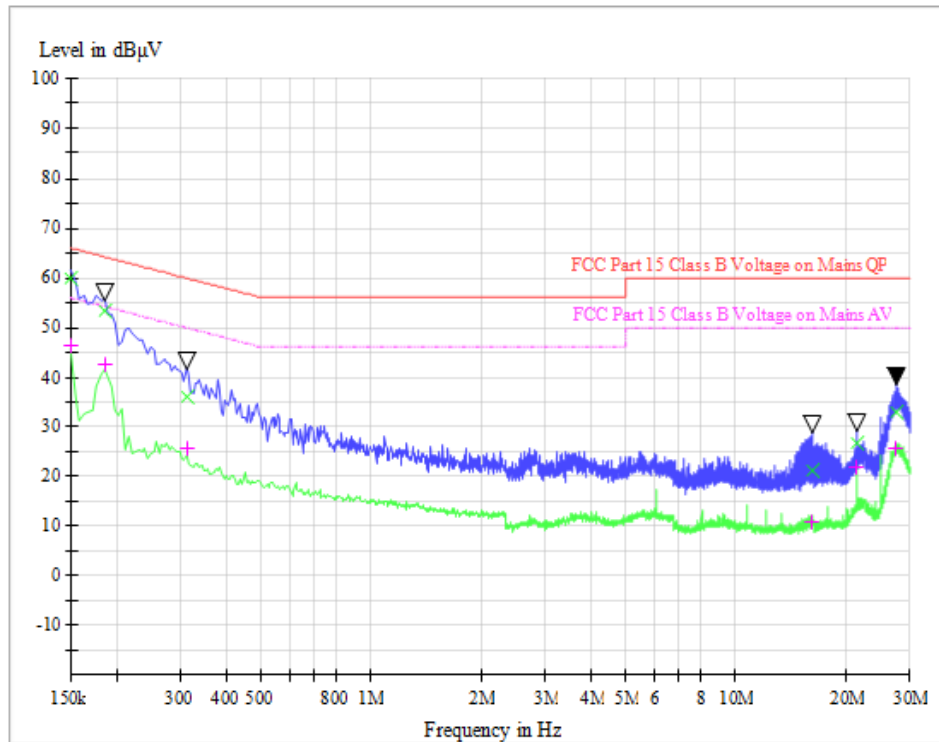
1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**4. Conducted Disturbance at Mains Terminals (WIFI PRINT+USB SCAN Mode)****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**Conducted Disturbance at Mains Terminals (WIFI PRINT+USB SCAN Mode)****N Test Data**

| QP                 |                        |                                  |                        | CAV                |                        |                                  |                        |
|--------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500             | 66.0                   | 59.89                            | 6.11                   | 0.1500             | 56.0                   | 46.44                            | 9.56                   |
| 0.1860             | 64.2                   | 53.44                            | 10.77                  | 0.1860             | 54.2                   | 42.46                            | 11.75                  |
| 0.3120             | 59.9                   | 35.96                            | 23.96                  | 0.3120             | 49.9                   | 25.61                            | 24.31                  |
| 16.1880            | 60.0                   | 21.00                            | 39.00                  | 16.1880            | 50.0                   | 10.90                            | 39.10                  |
| 21.4800            | 60.0                   | 26.84                            | 33.16                  | 21.4800            | 50.0                   | 22.00                            | 28.00                  |
| 27.4785            | 60.0                   | 32.77                            | 27.23                  | 27.4785            | 50.0                   | 25.59                            | 24.41                  |

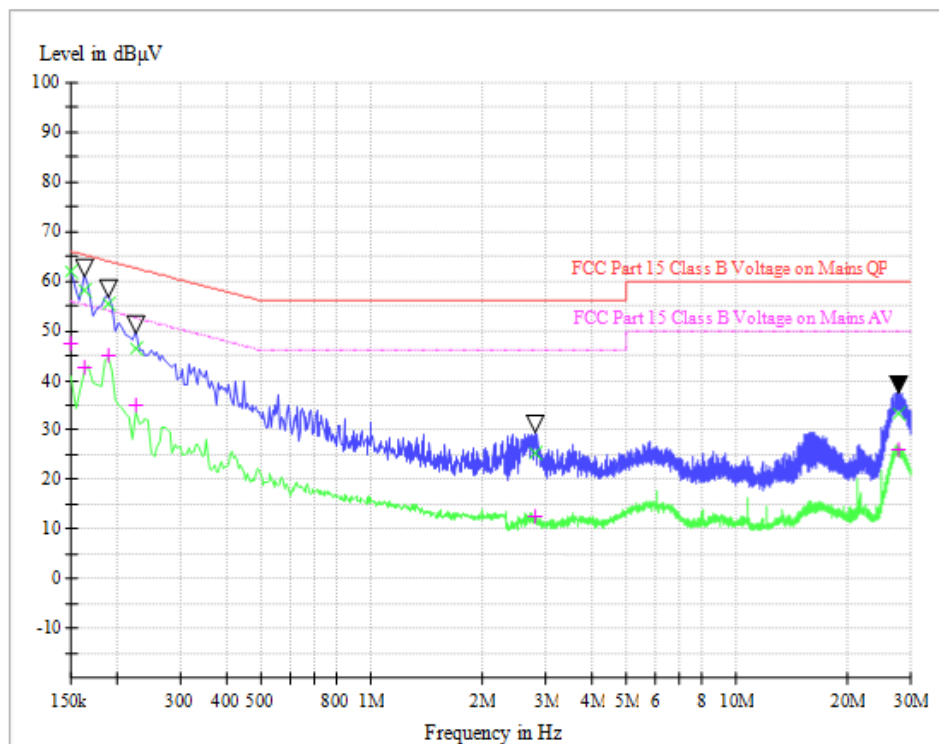
**N Test Curve****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

### 5. Conducted Disturbance at Mains Terminals (NIC Print + Scan to USB memory Mode)

| Conducted Disturbance at Mains Terminals (NIC Print + Scan to USB memory Mode) |                     |                               |                     |                 |                     |                               |                     |
|--------------------------------------------------------------------------------|---------------------|-------------------------------|---------------------|-----------------|---------------------|-------------------------------|---------------------|
| L Test Data                                                                    |                     |                               |                     |                 |                     |                               |                     |
| QP                                                                             |                     |                               |                     | CAV             |                     |                               |                     |
| Frequency (MHz)                                                                | Limits (dB $\mu$ V) | Measurement Value(dB $\mu$ V) | Margin (dB $\mu$ V) | Frequency (MHz) | Limits (dB $\mu$ V) | Measurement Value(dB $\mu$ V) | Margin (dB $\mu$ V) |
| 0.1500                                                                         | 66.0                | 62.00                         | 4.00                | 0.1500          | 56.0                | 47.51                         | 8.49                |
| 0.1635                                                                         | 65.3                | 58.12                         | 7.18                | 0.1635          | 55.3                | 42.57                         | 12.73               |
| 0.1905                                                                         | 64.0                | 55.36                         | 8.64                | 0.1905          | 54.0                | 45.03                         | 8.97                |
| 0.2265                                                                         | 62.6                | 46.43                         | 16.17               | 0.2265          | 52.6                | 34.90                         | 17.70               |
| 2.8005                                                                         | 56.0                | 25.14                         | 30.86               | 2.8005          | 46.0                | 12.56                         | 33.44               |
| 27.7080                                                                        | 60.0                | 33.27                         | 26.73               | 27.7080         | 50.0                | 26.08                         | 23.92               |

**L Test Curve**

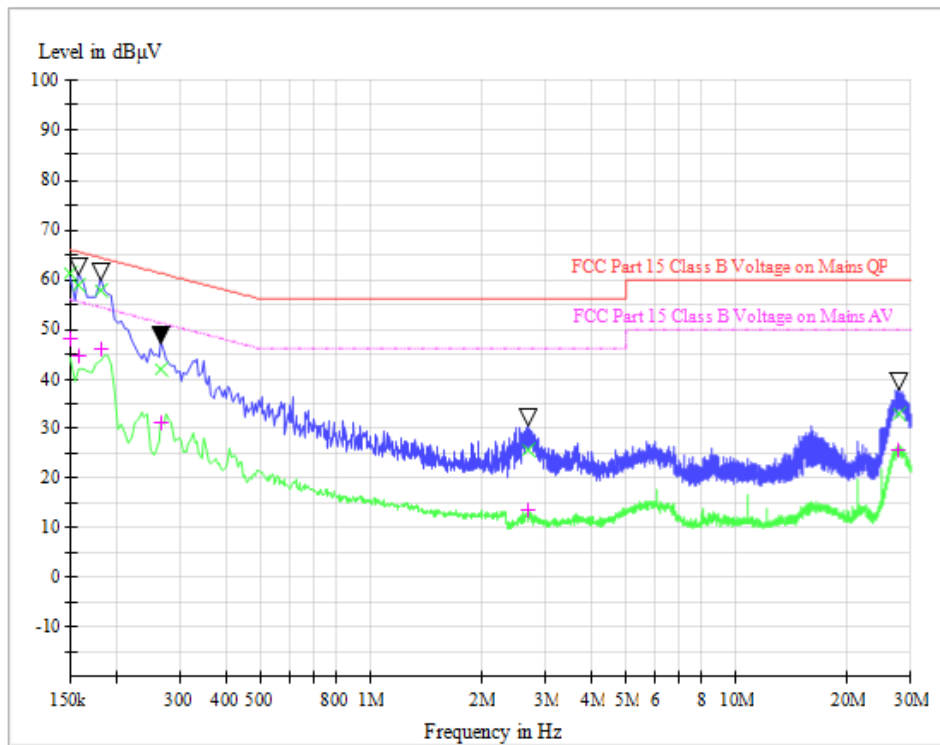


**NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**Conducted Disturbance at Mains Terminals (NIC Print + Scan to USB memory Mode)****N Test Data**

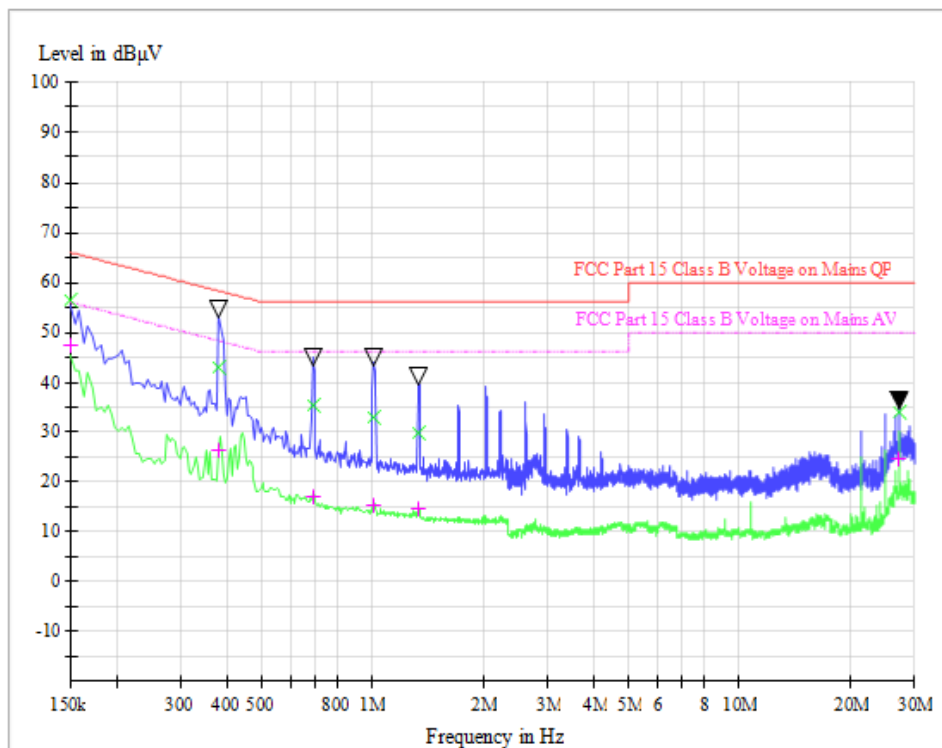
| QP                 |                        |                                  |                        | CAV                |                        |                                  |                        |
|--------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500             | 66.0                   | 61.24                            | 4.76                   | 0.1500             | 56.0                   | 48.17                            | 7.83                   |
| 0.1590             | 65.5                   | 58.69                            | 6.83                   | 0.1590             | 55.5                   | 44.81                            | 10.71                  |
| 0.1815             | 64.4                   | 57.94                            | 6.48                   | 0.1815             | 54.4                   | 46.16                            | 8.26                   |
| 0.2670             | 61.2                   | 41.92                            | 19.29                  | 0.2670             | 51.2                   | 31.34                            | 19.87                  |
| 2.6925             | 56.0                   | 25.78                            | 30.22                  | 2.6925             | 46.0                   | 13.50                            | 32.50                  |
| 27.7665            | 60.0                   | 33.01                            | 26.99                  | 27.7665            | 50.0                   | 25.80                            | 24.20                  |

**N Test Curve****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**6. Conducted Disturbance at Mains Terminals (FX TX Mode)**

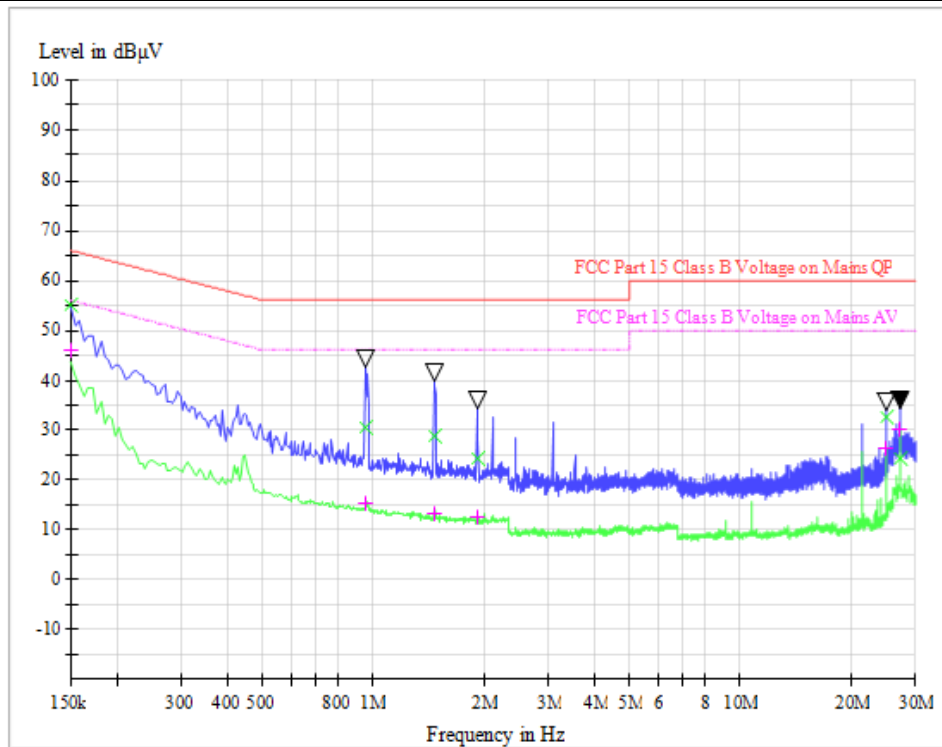
| Conducted Disturbance at Mains Terminals (FX TX Mode) |                        |                                  |                        |                    |                        |                                  |                        |
|-------------------------------------------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| L Test Data                                           |                        |                                  |                        |                    |                        |                                  |                        |
| QP                                                    |                        |                                  |                        | CAV                |                        |                                  |                        |
| Frequency<br>(MHz)                                    | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500                                                | 66.0                   | 56.36                            | 9.64                   | 0.1500             | 56.0                   | 47.42                            | 8.58                   |
| 0.3795                                                | 58.3                   | 42.97                            | 15.32                  | 0.3795             | 48.3                   | 26.31                            | 21.98                  |
| 0.6900                                                | 56.0                   | 35.27                            | 20.73                  | 0.6900             | 46.0                   | 17.00                            | 29.00                  |
| 1.0095                                                | 56.0                   | 32.89                            | 23.11                  | 1.0095             | 46.0                   | 15.30                            | 30.70                  |
| 1.3335                                                | 56.0                   | 29.96                            | 26.04                  | 1.3335             | 46.0                   | 14.48                            | 31.52                  |
| 27.2715                                               | 60.0                   | 33.84                            | 26.16                  | 27.2715            | 50.0                   | 24.72                            | 25.28                  |

**L Test Curve****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**Conducted Disturbance at Mains Terminals (FX TX Mode)****N Test Data**

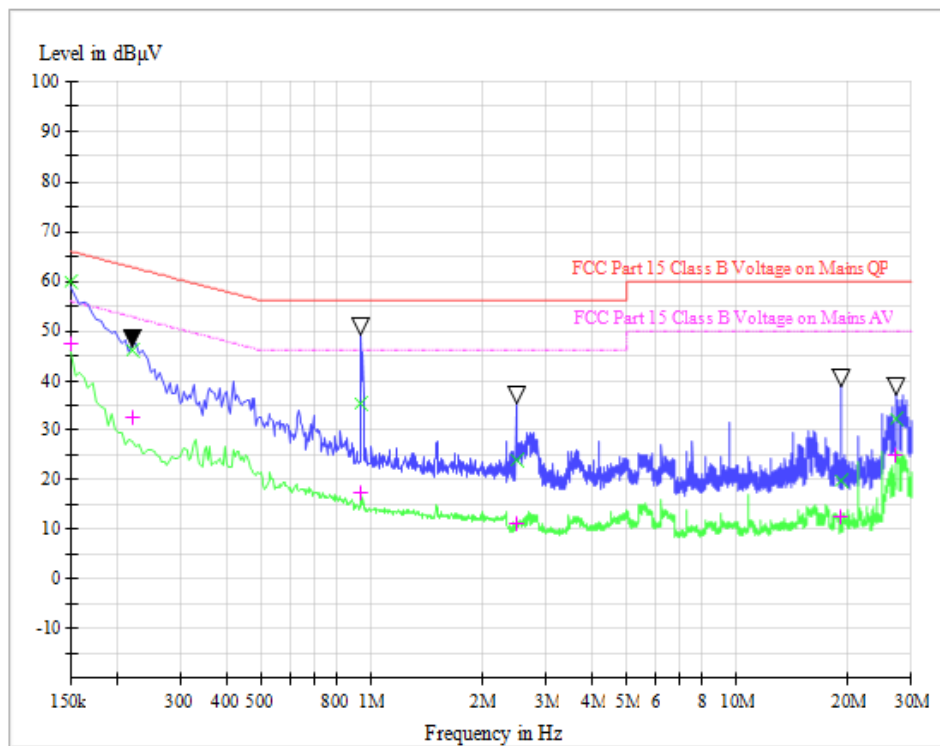
| <b>QP</b>          |                        |                                  |                        | <b>CAV</b>         |                        |                                  |                        |
|--------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500             | 66.0                   | 55.04                            | 10.96                  | 0.1500             | 56.0                   | 46.19                            | 9.81                   |
| 0.9555             | 56.0                   | 30.42                            | 25.58                  | 0.9555             | 46.0                   | 15.22                            | 30.78                  |
| 1.4640             | 56.0                   | 28.84                            | 27.16                  | 1.4640             | 46.0                   | 13.30                            | 32.70                  |
| 1.9230             | 56.0                   | 24.10                            | 31.90                  | 1.9230             | 46.0                   | 12.41                            | 33.59                  |
| 25.0620            | 60.0                   | 32.58                            | 27.42                  | 25.0620            | 50.0                   | 26.29                            | 23.71                  |
| 27.2715            | 60.0                   | 24.14                            | 35.86                  | 27.2715            | 50.0                   | 30.10                            | 19.90                  |

**N Test Curve****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**7. Conducted Disturbance at Mains Terminals (FX RX Mode)**

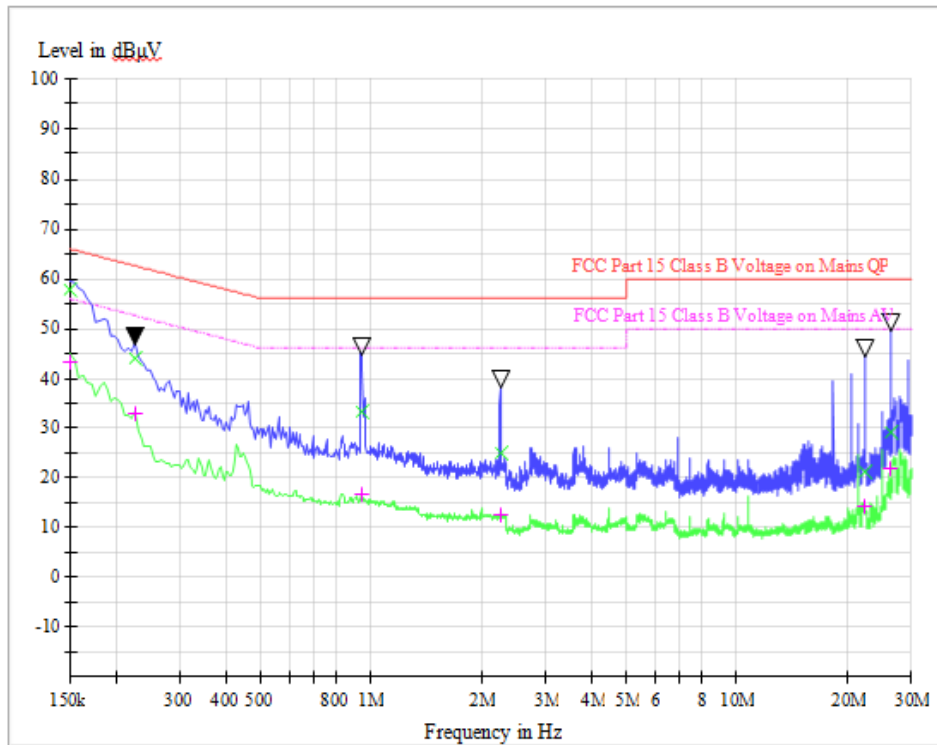
| Conducted Disturbance at Mains Terminals (FX RX Mode) |                        |                                  |                        |                    |                        |                                  |                        |
|-------------------------------------------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| L Test Data                                           |                        |                                  |                        |                    |                        |                                  |                        |
| QP                                                    |                        |                                  |                        | CAV                |                        |                                  |                        |
| Frequency<br>(MHz)                                    | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500                                                | 66.0                   | 59.77                            | 6.23                   | 0.1500             | 56.0                   | 47.54                            | 8.46                   |
| 0.2220                                                | 62.7                   | 46.08                            | 16.66                  | 0.2220             | 52.7                   | 32.49                            | 20.25                  |
| 0.9375                                                | 56.0                   | 35.16                            | 20.84                  | 0.9375             | 46.0                   | 17.19                            | 28.81                  |
| 2.4855                                                | 56.0                   | 23.96                            | 32.04                  | 2.4855             | 46.0                   | 11.11                            | 34.89                  |
| 19.1985                                               | 60.0                   | 19.73                            | 40.27                  | 19.1985            | 50.0                   | 12.47                            | 37.53                  |
| 27.3390                                               | 60.0                   | 32.38                            | 27.62                  | 27.3390            | 50.0                   | 25.12                            | 24.88                  |

**L Test Curve****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**Conducted Disturbance at Mains Terminals (FX RX Mode)****N Test Data**

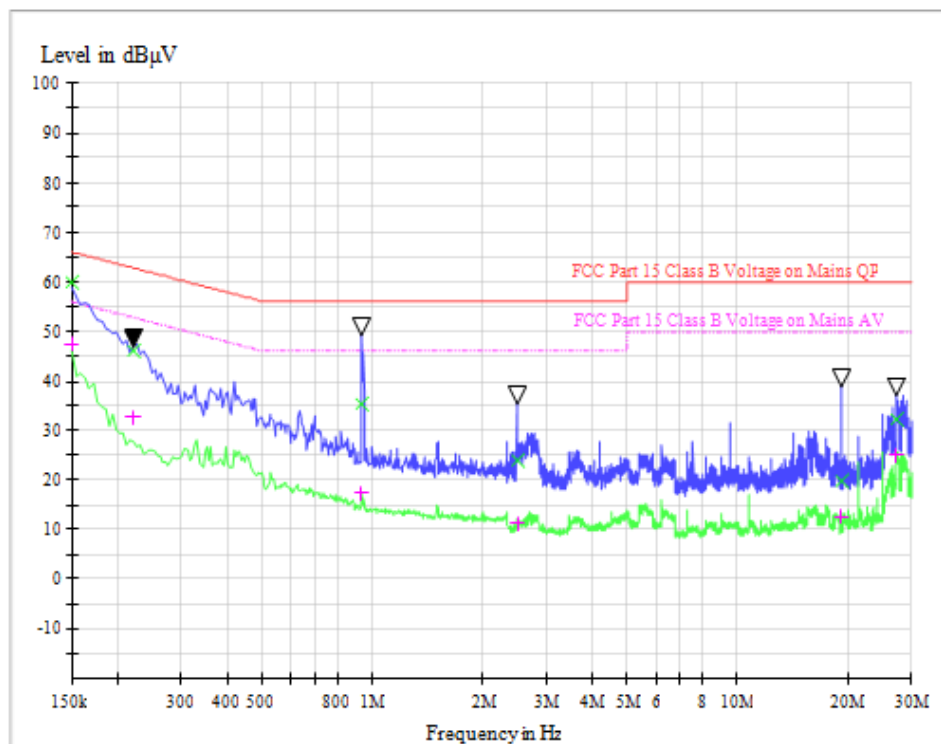
| QP                 |                        |                                  |                        | CAV                |                        |                                  |                        |
|--------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500             | 66.0                   | 57.74                            | 8.26                   | 0.1500             | 56.0                   | 43.33                            | 12.67                  |
| 0.2265             | 62.6                   | 43.81                            | 18.77                  | 0.2265             | 52.6                   | 32.84                            | 19.74                  |
| 0.9420             | 56.0                   | 33.20                            | 22.80                  | 0.9420             | 46.0                   | 16.65                            | 29.35                  |
| 2.2515             | 56.0                   | 25.12                            | 30.88                  | 2.2515             | 46.0                   | 12.65                            | 33.35                  |
| 22.5105            | 60.0                   | 21.05                            | 38.95                  | 22.5105            | 50.0                   | 14.36                            | 35.64                  |
| 26.4615            | 60.0                   | 29.21                            | 30.79                  | 26.4615            | 50.0                   | 21.91                            | 28.09                  |

**N Test Curve****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**8. Conducted Disturbance at Mains Terminals (Copy Mode)**

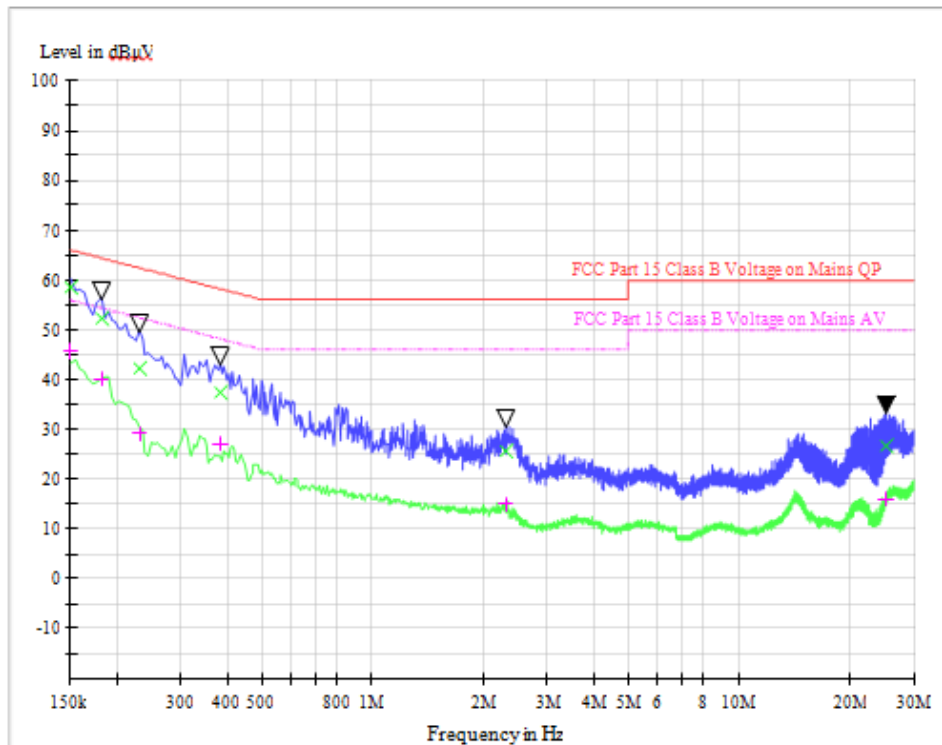
| Conducted Disturbance at Mains Terminals (Copy Mode) |                        |                                  |                        |                    |                        |                                  |                        |
|------------------------------------------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| L Test Data                                          |                        |                                  |                        |                    |                        |                                  |                        |
| QP                                                   |                        |                                  |                        | CAV                |                        |                                  |                        |
| Frequency<br>(MHz)                                   | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500                                               | 66.0                   | 59.77                            | 6.23                   | 0.1500             | 56.0                   | 47.54                            | 8.46                   |
| 0.2220                                               | 62.7                   | 46.08                            | 16.66                  | 0.2220             | 52.7                   | 32.49                            | 20.25                  |
| 0.9375                                               | 56.0                   | 35.16                            | 20.84                  | 0.9375             | 46.0                   | 17.19                            | 28.81                  |
| 2.4855                                               | 56.0                   | 23.96                            | 32.04                  | 2.4855             | 46.0                   | 11.11                            | 34.89                  |
| 19.1985                                              | 60.0                   | 19.73                            | 40.27                  | 19.1985            | 50.0                   | 12.47                            | 37.53                  |
| 27.3390                                              | 60.0                   | 32.38                            | 27.62                  | 27.3390            | 50.0                   | 25.12                            | 24.88                  |

**L Test Curve****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

**Conducted Disturbance at Mains Terminals (Copy Mode)****N Test Data**

| QP                 |                        |                                  |                        | CAV                |                        |                                  |                        |
|--------------------|------------------------|----------------------------------|------------------------|--------------------|------------------------|----------------------------------|------------------------|
| Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) | Frequency<br>(MHz) | Limits<br>(dB $\mu$ V) | Measurement<br>Value(dB $\mu$ V) | Margin<br>(dB $\mu$ V) |
| 0.1500             | 66.0                   | 58.41                            | 7.59                   | 0.1500             | 56.0                   | 45.57                            | 10.43                  |
| 0.1815             | 64.4                   | 52.31                            | 12.11                  | 0.1815             | 54.4                   | 40.16                            | 14.26                  |
| 0.2310             | 62.4                   | 42.29                            | 20.12                  | 0.2310             | 52.4                   | 29.17                            | 23.24                  |
| 0.3840             | 58.2                   | 37.54                            | 20.65                  | 0.3840             | 48.2                   | 26.89                            | 21.30                  |
| 2.3145             | 56.0                   | 25.68                            | 30.32                  | 2.3145             | 46.0                   | 14.77                            | 31.23                  |
| 25.1070            | 60.0                   | 26.64                            | 33.36                  | 25.1070            | 50.0                   | 15.84                            | 34.16                  |

**N Test Curve****NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.
3. The minimum margin value of quasi-peak and average level is over 3dB.

## 4.3 Radiated Emission Test

### 4.3.1 Limits of Radiated Emission

The field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

| Frequency of Emission<br>(MHz) | Field Strength (dB $\mu$ V/m) at 3m |
|--------------------------------|-------------------------------------|
| 30 - 88                        | 40(QP)                              |
| 88 -216                        | 43.5(QP)                            |
| 216 - 960                      | 46.4(QP)                            |
| 960-1000                       | 54(QP)                              |
| Above 1000MHz                  | 54(AV)/74(PK)                       |

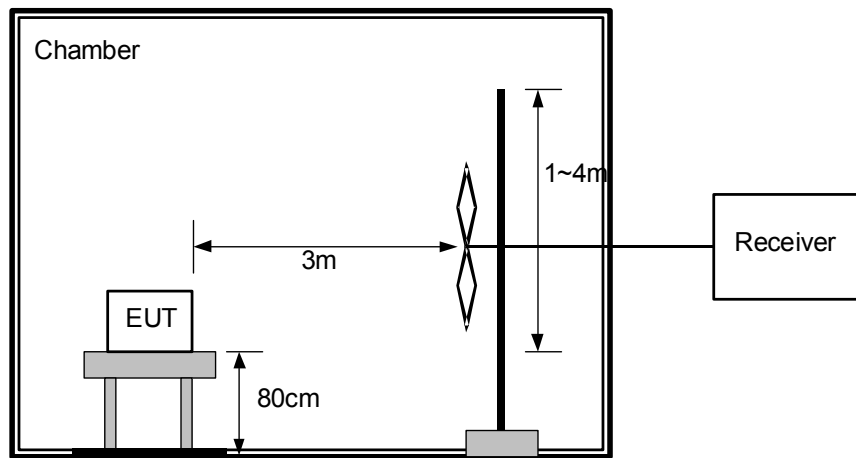
**NOTE:**

1. Field Strength (dB $\mu$ V/m)=20log Field Strength ( $\mu$ V/m).
2. In the emission tables above, the tighter limit applies at the band edges.

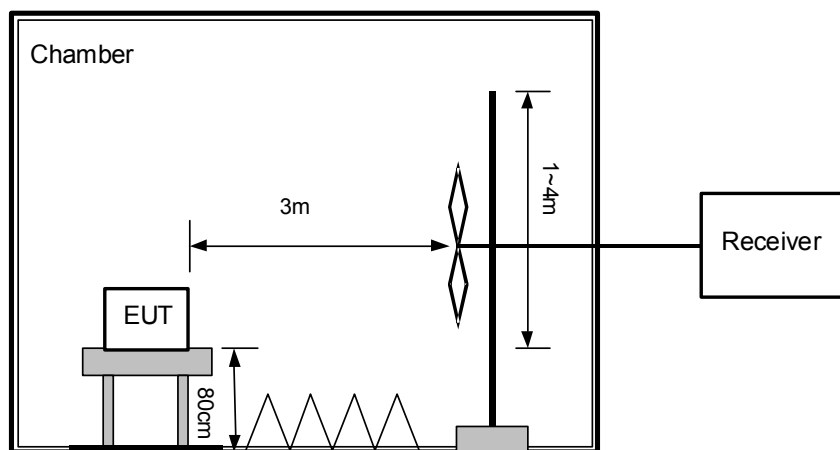
### 4.3.2 Test Procedure

- a. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- b. The antenna is a broadband antenna, and its height is varied from one meter to four meter above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to the heights from 1 to 4 meters and the ratable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- d. The test-receiver system was set to Peak Detector Function and Specified Bandwidth with Maximum Hold Mode.
- e. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emission that did not have 10 dB margins would be retested one by one using the quasi-peak method.

### 4.3.3 Test Setup



#### Below 1GHz



#### Over 1GHz

Note: The highest frequency of the internal sources of the EUT is 5320 MHz, the measurement was made up to 40 GHz.

### 4.3.4 Test Results

Environment Condition:

Temperature: 23°C; Relative Humidity: 52%; Pressure: 101kPa

Test Date: 2018-04-04- 2018-04-05

Test Engineer: Chen Weixiong

Test Site: 10m Anechoic Chamber

Test Mode: Mode 1-6

**1. Radiated Emission Test data (Standby Mode)****-Horizontal**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 93.52              | 24.5                  | 120                | 400                       | H        | 0                              | -17           | 19.0               | 43.5              |
| 101.52             | 28.6                  | 120                | 400                       | H        | 0                              | -16.5         | 14.9               | 43.5              |
| 121.20             | 22.6                  | 120                | 400                       | H        | 0                              | -19           | 20.9               | 43.5              |
| 272.00             | 28.6                  | 120                | 400                       | H        | 0                              | -14.7         | 17.4               | 46.0              |
| 350.84             | 32.8                  | 120                | 400                       | H        | 0                              | -12.4         | 13.2               | 46.0              |
| 612.24             | 30.2                  | 120                | 400                       | H        | 0                              | -6.8          | 15.8               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 1954.83            | 46.52            | 73.9                   | 27.38                      | 0.0                            | 155.0                  | H        |
| 2684.63            | 48.22            | 73.9                   | 25.68                      | 0.0                            | 155.0                  | H        |
| 6085.42            | 51.25            | 73.9                   | 22.65                      | 0.0                            | 155.0                  | H        |
| 6984.28            | 52.68            | 73.9                   | 21.22                      | 0.0                            | 155.0                  | H        |
| 14825.65           | 51.82            | 73.9                   | 22.08                      | 0.0                            | 155.0                  | H        |
| 15867.54           | 55.41            | 73.9                   | 17.49                      | 0.0                            | 155.0                  | H        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 1954.83            | 26.80             | 54.0                      | 27.20                         | 0.0                         | 155.0                  | H        |
| 2684.63            | 25.90             | 54.0                      | 28.10                         | 0.0                         | 155.0                  | H        |
| 6085.42            | 25.80             | 54.0                      | 28.20                         | 0.0                         | 155.0                  | H        |
| 6984.28            | 28.30             | 54.0                      | 25.70                         | 0.0                         | 155.0                  | H        |
| 14825.65           | 30.10             | 54.0                      | 23.90                         | 0.0                         | 155.0                  | H        |
| 15867.54           | 35.90             | 54.0                      | 18.10                         | 0.0                         | 155.0                  | H        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 22125              | 45.0             | 73.9                   | 28.9                       | 0.0                            | 100.0                  | H        |
| 23769              | 45.6             | 73.9                   | 28.3                       | 0.0                            | 100.0                  | H        |
| 24284              | 45.9             | 73.9                   | 28.0                       | 0.0                            | 100.0                  | H        |
| 25072              | 47.2             | 73.9                   | 26.7                       | 0.0                            | 100.0                  | H        |
| 25996              | 47.3             | 73.9                   | 26.6                       | 0.0                            | 100.0                  | H        |
| 26481              | 48.2             | 73.9                   | 25.7                       | 0.0                            | 100.0                  | H        |

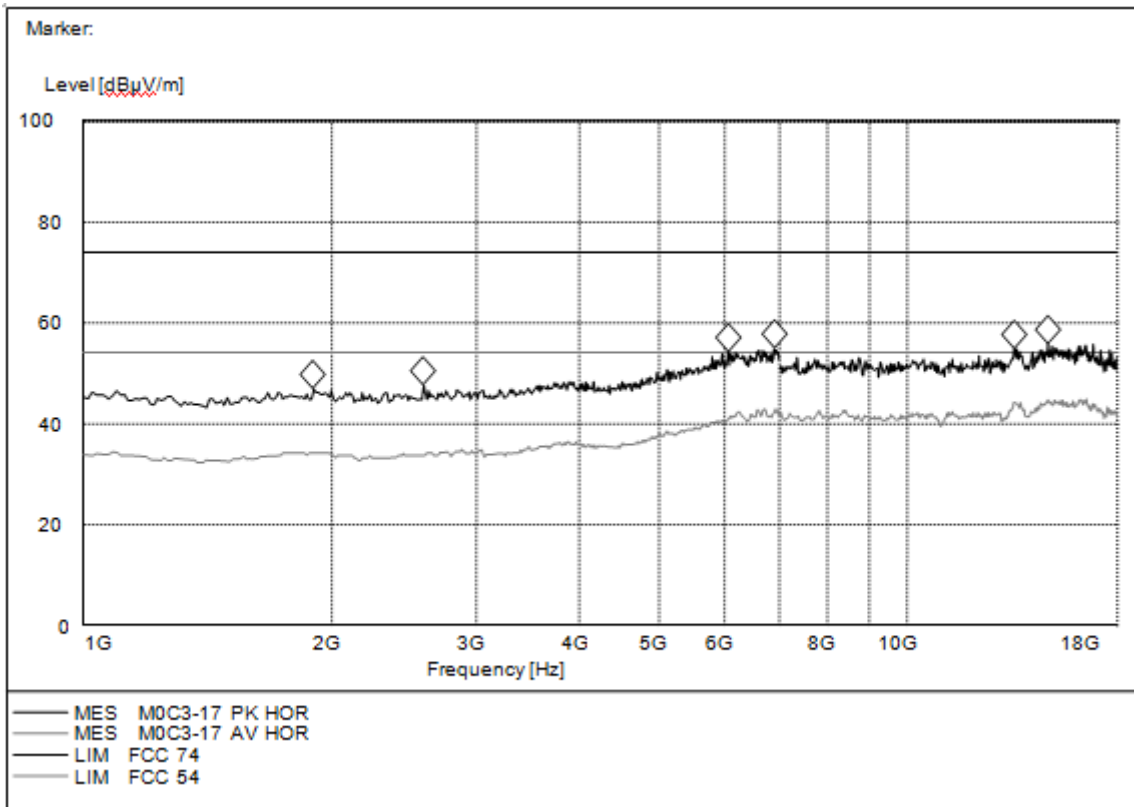
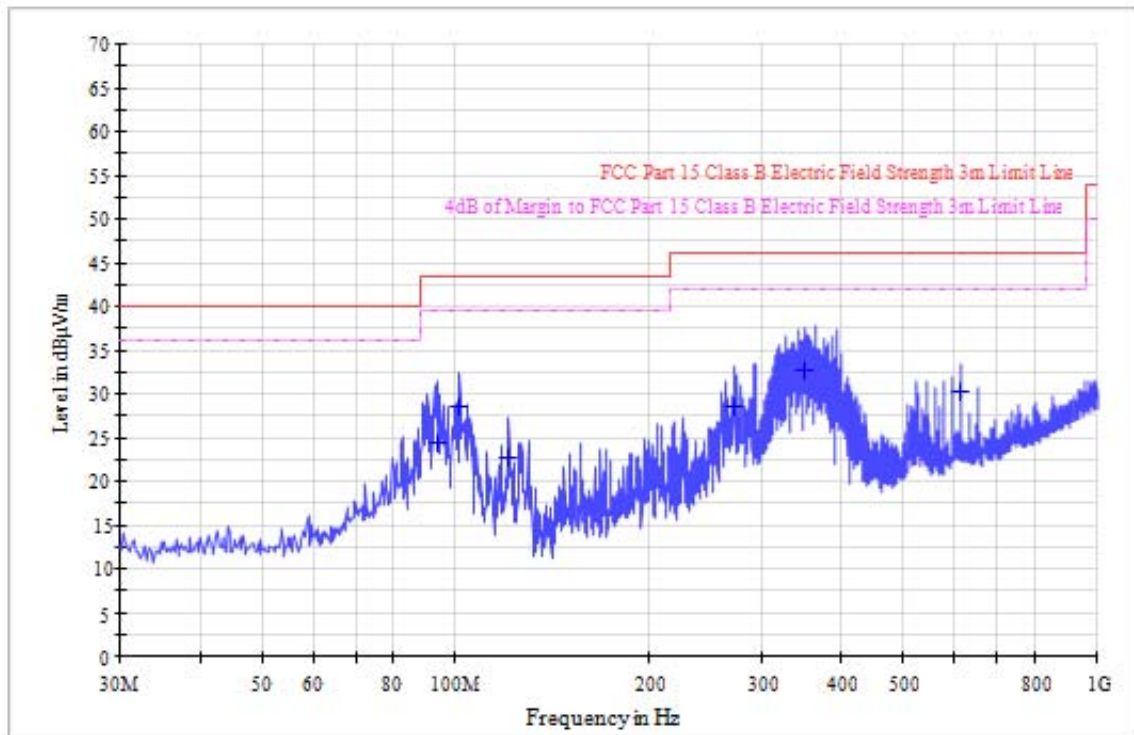
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 22125              | 32.1              | 54.0                      | 21.9                          | 0.0                         | 100.0                  | H        |
| 23769              | 32.3              | 54.0                      | 21.7                          | 0.0                         | 100.0                  | H        |
| 24284              | 32.7              | 54.0                      | 21.3                          | 0.0                         | 100.0                  | H        |
| 25072              | 34.7              | 54.0                      | 19.3                          | 0.0                         | 100.0                  | H        |
| 25996              | 34.5              | 54.0                      | 19.5                          | 0.0                         | 100.0                  | H        |
| 26481              | 36.0              | 54.0                      | 18.0                          | 0.0                         | 100.0                  | H        |

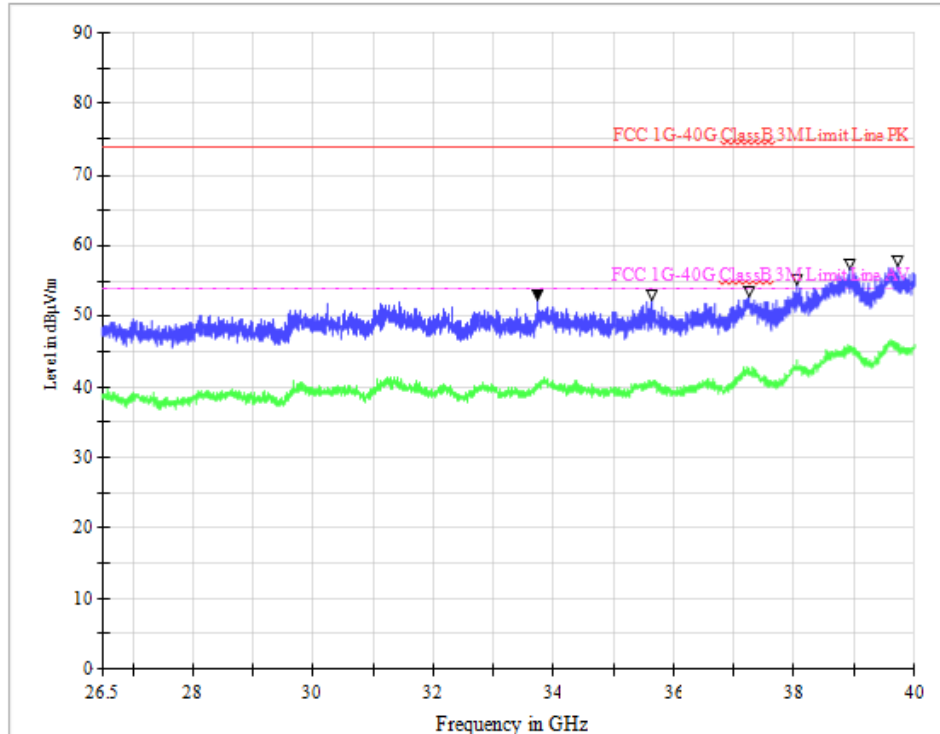
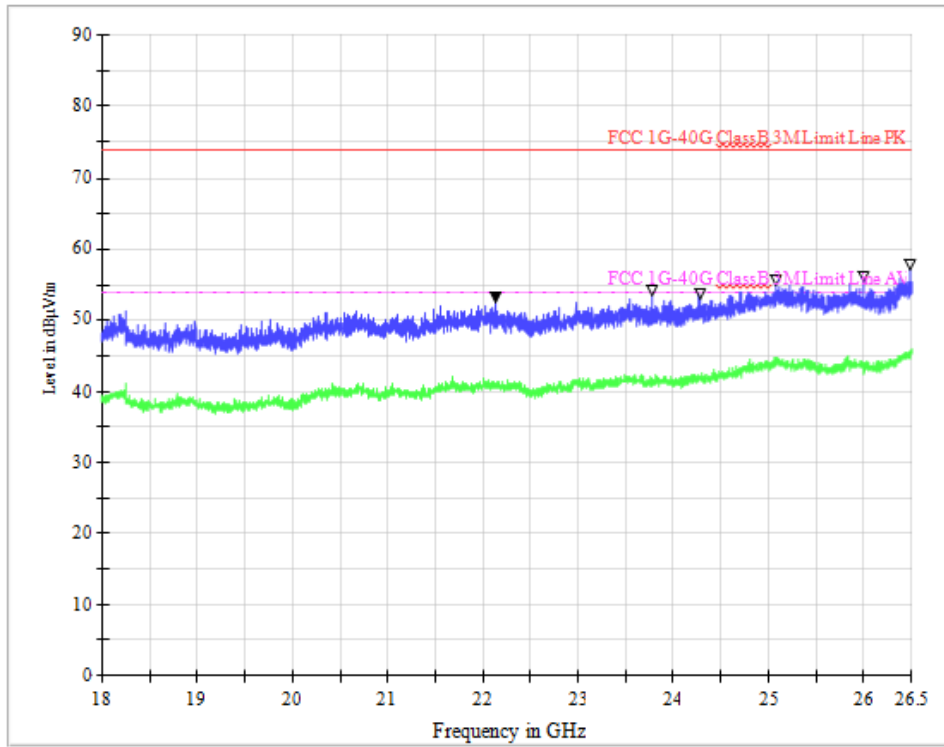
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 33726              | 43.1             | 73.9                   | 30.8                       | 0.0                            | 100.0                  | H        |
| 35619              | 43.4             | 73.9                   | 30.5                       | 0.0                            | 100.0                  | H        |
| 37256              | 44.6             | 73.9                   | 29.3                       | 0.0                            | 100.0                  | H        |
| 38036              | 45.5             | 73.9                   | 28.4                       | 0.0                            | 100.0                  | H        |
| 38923              | 47.8             | 73.9                   | 26.1                       | 0.0                            | 100.0                  | H        |
| 39723              | 48.6             | 73.9                   | 25.3                       | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 33726              | 30.8                    | 54.0                            | 23.2                                | 0.0                         | 100.0                  | H        |
| 35619              | 31.4                    | 54.0                            | 22.6                                | 0.0                         | 100.0                  | H        |
| 37256              | 32.3                    | 54.0                            | 21.7                                | 0.0                         | 100.0                  | H        |
| 38036              | 33.1                    | 54.0                            | 20.9                                | 0.0                         | 100.0                  | H        |
| 38923              | 35.3                    | 54.0                            | 18.7                                | 0.0                         | 100.0                  | H        |
| 39723              | 35.2                    | 54.0                            | 18.8                                | 0.0                         | 100.0                  | H        |

**NOTE:**

The minimum margin value is over 4dB.





**-Vertical**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 38.72              | 18.6                  | 120                | 100                       | V        | 25                             | -16.8         | 21.4               | 40.0              |
| 91.60              | 33.2                  | 120                | 100                       | V        | 36                             | -17.4         | 10.3               | 43.5              |
| 94.76              | 31.2                  | 120                | 100                       | V        | 45                             | -16.8         | 12.3               | 43.5              |
| 127.00             | 26.9                  | 120                | 100                       | V        | 85                             | -19.7         | 16.6               | 43.5              |
| 274.92             | 30.2                  | 120                | 100                       | V        | 110                            | -14.6         | 15.8               | 46.0              |
| 406.36             | 35.4                  | 120                | 100                       | V        | 256                            | -11.2         | 10.6               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 6254.71            | 43.92            | 73.9                   | 29.98                      | 0.0                            | 100.0                  | V        |
| 6975.41            | 44.24            | 73.9                   | 29.66                      | 0.0                            | 100.0                  | V        |
| 7851.46            | 44.52            | 73.9                   | 29.38                      | 0.0                            | 100.0                  | V        |
| 14803.60           | 46.05            | 73.9                   | 27.85                      | 0.0                            | 100.0                  | V        |
| 15896.15           | 43.76            | 73.9                   | 30.14                      | 0.0                            | 100.0                  | V        |
| 16614.80           | 45.34            | 73.9                   | 28.56                      | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 6254.71            | 27.20             | 54.0                      | 26.80                         | 0.0                         | 100.0                  | V        |
| 6975.41            | 27.57             | 54.0                      | 26.43                         | 0.0                         | 100.0                  | V        |
| 7851.46            | 28.25             | 54.0                      | 25.75                         | 0.0                         | 100.0                  | V        |
| 14803.60           | 25.18             | 54.0                      | 28.82                         | 0.0                         | 100.0                  | V        |
| 15896.15           | 22.42             | 54.0                      | 31.58                         | 0.0                         | 100.0                  | V        |
| 16614.80           | 28.82             | 54.0                      | 25.18                         | 0.0                         | 100.0                  | V        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 22335              | 44               | 73.9                   | 29.9                       | 0.0                            | 100.0                  | V        |
| 22970              | 44.4             | 73.9                   | 29.5                       | 0.0                            | 100.0                  | V        |
| 24135              | 44.9             | 73.9                   | 29.0                       | 0.0                            | 100.0                  | V        |
| 25248              | 46.6             | 73.9                   | 27.3                       | 0.0                            | 100.0                  | V        |
| 25391              | 46.8             | 73.9                   | 27.1                       | 0.0                            | 100.0                  | V        |
| 26460              | 48.4             | 73.9                   | 25.5                       | 0.0                            | 100.0                  | V        |

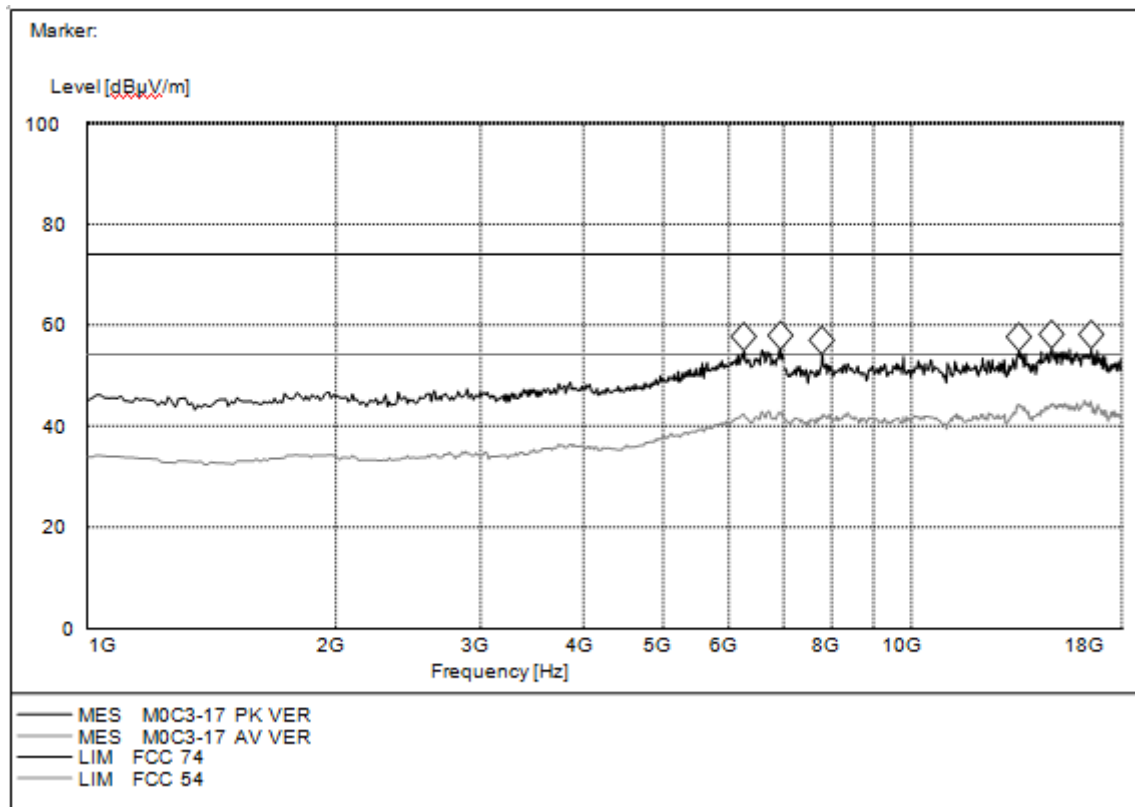
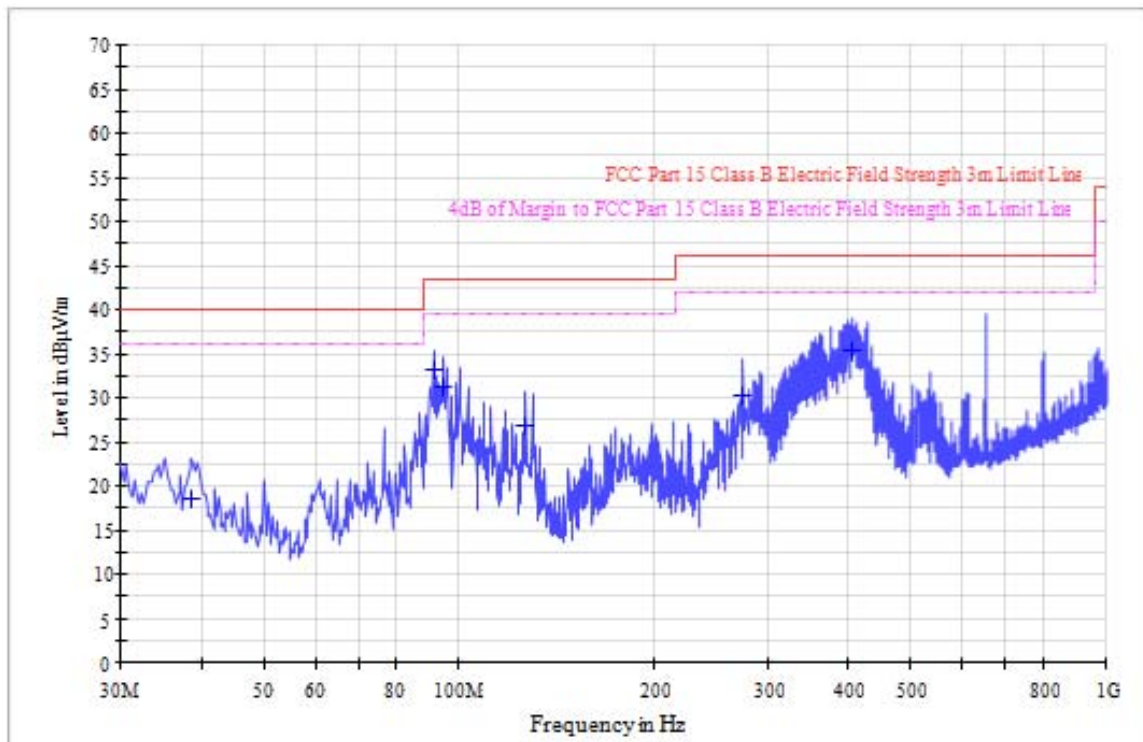
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 22335              | 31.7              | 54.0                      | 22.3                          | 0.0                         | 100.0                  | V        |
| 22970              | 32.2              | 54.0                      | 21.8                          | 0.0                         | 100.0                  | V        |
| 24135              | 32.6              | 54.0                      | 21.4                          | 0.0                         | 100.0                  | V        |
| 25248              | 34.4              | 54.0                      | 19.6                          | 0.0                         | 100.0                  | V        |
| 25391              | 34.6              | 54.0                      | 19.4                          | 0.0                         | 100.0                  | V        |
| 26460              | 35.8              | 54.0                      | 18.2                          | 0.0                         | 100.0                  | V        |

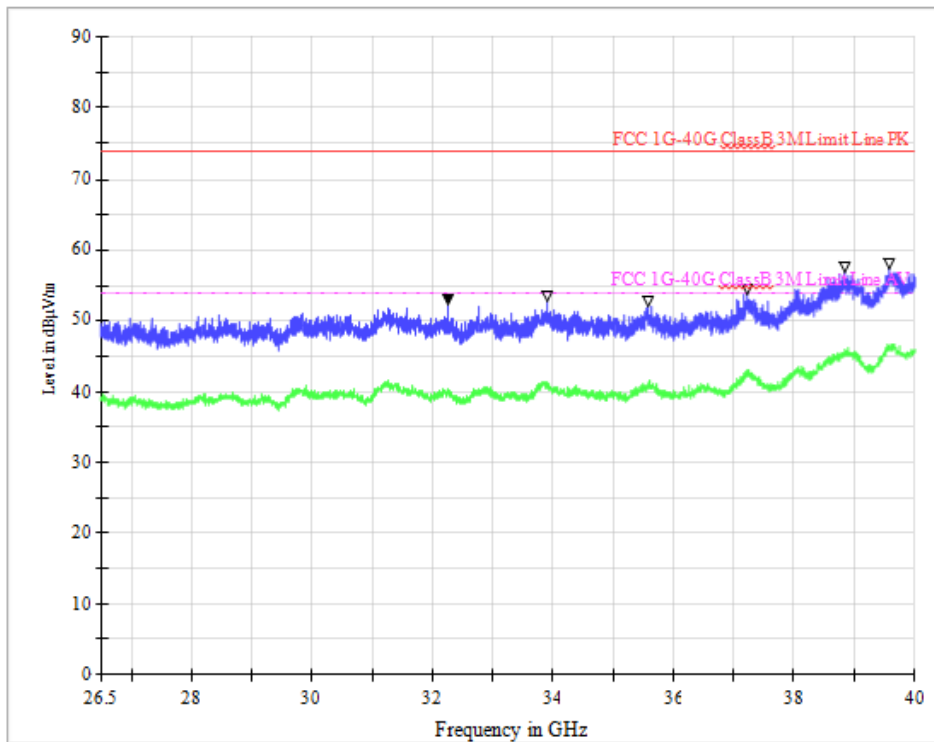
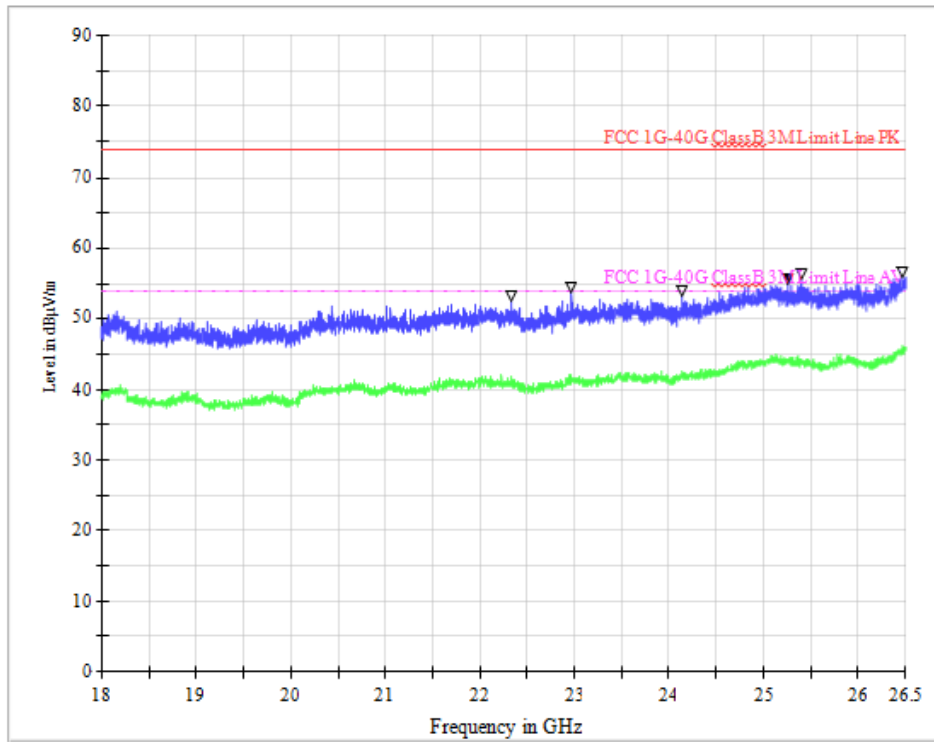
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 32258              | 42.6             | 73.9                   | 31.3                       | 0.0                            | 100.0                  | V        |
| 33895              | 43.9             | 73.9                   | 30.0                       | 0.0                            | 100.0                  | V        |
| 35585              | 44.7             | 73.9                   | 29.2                       | 0.0                            | 100.0                  | V        |
| 37219              | 44.7             | 73.9                   | 29.2                       | 0.0                            | 100.0                  | V        |
| 38825              | 48               | 73.9                   | 25.9                       | 0.0                            | 100.0                  | V        |
| 39565              | 48               | 73.9                   | 25.9                       | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 32258              | 29.9                    | 54.0                            | 24.1                                | 0.0                         | 100.0                  | V        |
| 33895              | 31.8                    | 54.0                            | 22.2                                | 0.0                         | 100.0                  | V        |
| 35585              | 32.1                    | 54.0                            | 21.9                                | 0.0                         | 100.0                  | V        |
| 37219              | 32.4                    | 54.0                            | 21.6                                | 0.0                         | 100.0                  | V        |
| 38825              | 35.3                    | 54.0                            | 18.7                                | 0.0                         | 100.0                  | V        |
| 39565              | 35.8                    | 54.0                            | 18.2                                | 0.0                         | 100.0                  | V        |

**NOTE:**

The minimum margin value is over 4dB.





**2. Radiated Emission Test data (Copy +NIC Ping Mode)****-Horizontal**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 59.84              | 17.2                  | 120                | 300                       | H        | 112                            | -17.1         | 22.8               | 40.0              |
| 89.40              | 26.3                  | 120                | 300                       | H        | 305                            | -17.9         | 17.2               | 43.5              |
| 98.88              | 27.5                  | 120                | 300                       | H        | 226                            | -16.4         | 16.0               | 43.5              |
| 168.48             | 23.4                  | 120                | 300                       | H        | 147                            | -19.4         | 20.1               | 43.5              |
| 263.28             | 26.5                  | 120                | 300                       | H        | 263                            | -15.1         | 19.5               | 46.0              |
| 363.68             | 33.7                  | 120                | 300                       | H        | 110                            | -12.1         | 12.3               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 2458.65            | 41.23            | 73.9                   | 32.67                      | 0.0                            | 100.0                  | H        |
| 6684.71            | 43.25            | 73.9                   | 30.65                      | 0.0                            | 100.0                  | H        |
| 10952.48           | 43.85            | 73.9                   | 30.05                      | 0.0                            | 100.0                  | H        |
| 13684.27           | 43.94            | 73.9                   | 29.96                      | 0.0                            | 100.0                  | H        |
| 15244.49           | 42.10            | 73.9                   | 31.80                      | 0.0                            | 100.0                  | H        |
| 16852.70           | 40.85            | 73.9                   | 33.05                      | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 2458.65            | 30.22             | 54.0                      | 23.78                         | 0.0                         | 100.0                  | H        |
| 6684.71            | 33.55             | 54.0                      | 21.45                         | 0.0                         | 100.0                  | H        |
| 10952.48           | 35.82             | 54.0                      | 18.18                         | 0.0                         | 100.0                  | H        |
| 13684.27           | 36.24             | 54.0                      | 17.76                         | 0.0                         | 100.0                  | H        |
| 15244.49           | 36.38             | 54.0                      | 17.62                         | 0.0                         | 100.0                  | H        |
| 16852.70           | 36.29             | 54.0                      | 17.71                         | 0.0                         | 100.0                  | H        |

| Frequency<br>(MHz) | Peak<br>(dB $\mu$ V/m) | Peak limit<br>(dB $\mu$ V/m) | Peak<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------------|------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 20962              | 44.1                   | 73.9                         | 29.8                             | 0.0                            | 100.0                  | H        |
| 21657              | 44.7                   | 73.9                         | 29.2                             | 0.0                            | 100.0                  | H        |
| 22203              | 44.8                   | 73.9                         | 29.1                             | 0.0                            | 100.0                  | H        |
| 23937              | 46.1                   | 73.9                         | 27.8                             | 0.0                            | 100.0                  | H        |
| 25074              | 47.1                   | 73.9                         | 26.8                             | 0.0                            | 100.0                  | H        |
| 25284              | 47.0                   | 73.9                         | 26.9                             | 0.0                            | 100.0                  | H        |

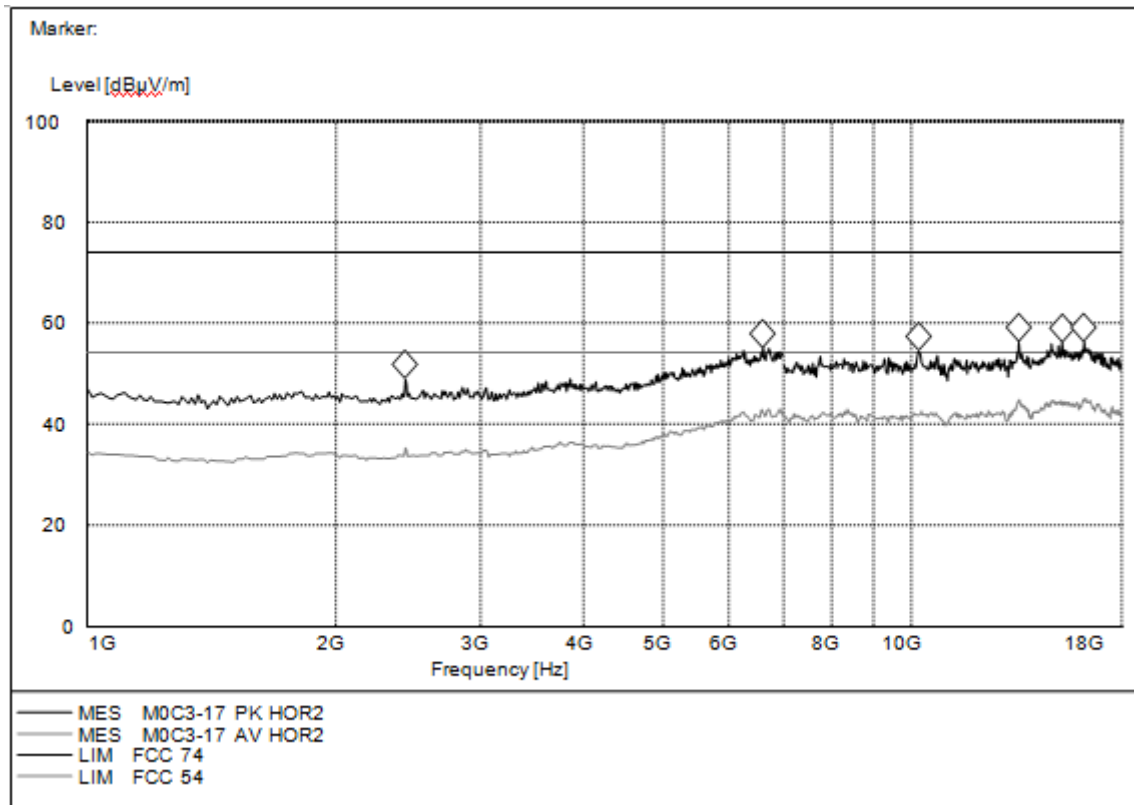
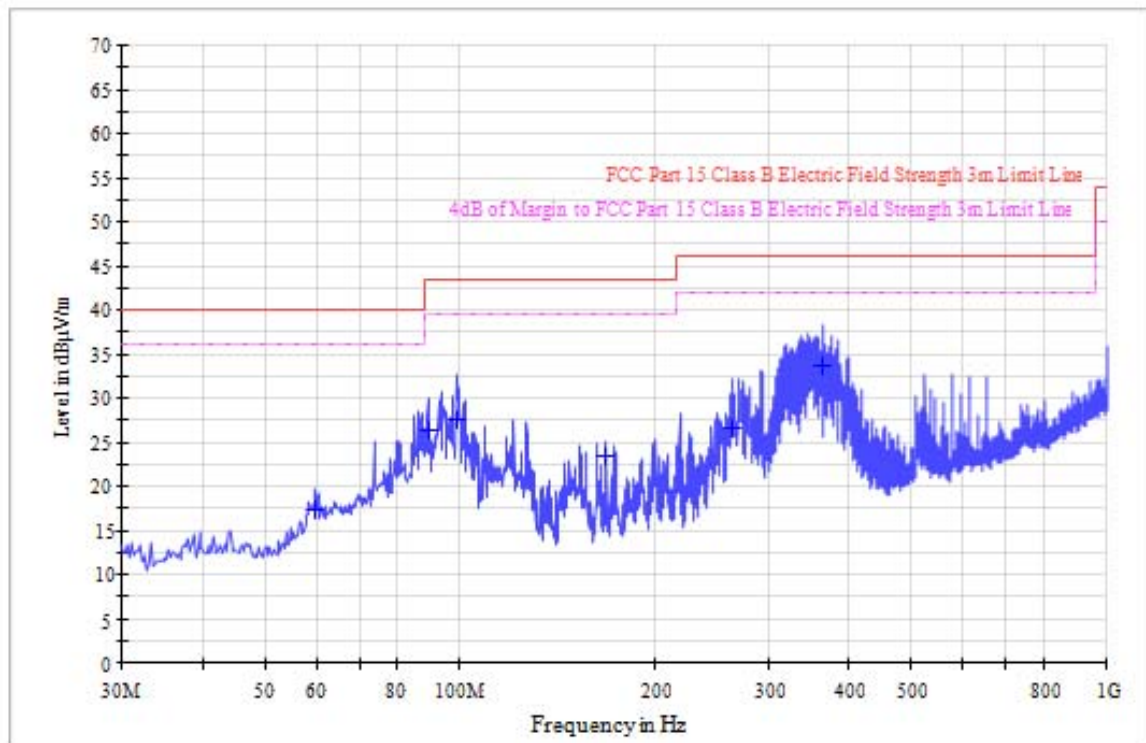
| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 20962              | 31.3                    | 54.0                            | 22.7                                | 0.0                         | 100.0                  | H        |
| 21657              | 32.0                    | 54.0                            | 22.0                                | 0.0                         | 100.0                  | H        |
| 22203              | 31.8                    | 54.0                            | 22.2                                | 0.0                         | 100.0                  | H        |
| 23937              | 32.5                    | 54.0                            | 21.5                                | 0.0                         | 100.0                  | H        |
| 25074              | 34.6                    | 54.0                            | 19.4                                | 0.0                         | 100.0                  | H        |
| 25284              | 34.3                    | 54.0                            | 19.7                                | 0.0                         | 100.0                  | H        |

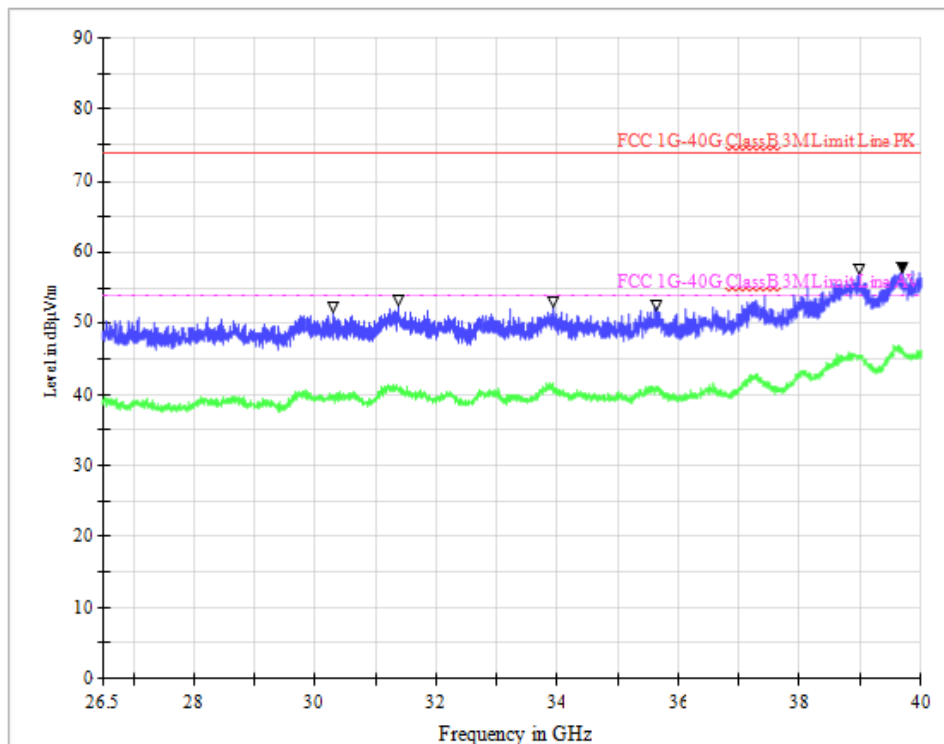
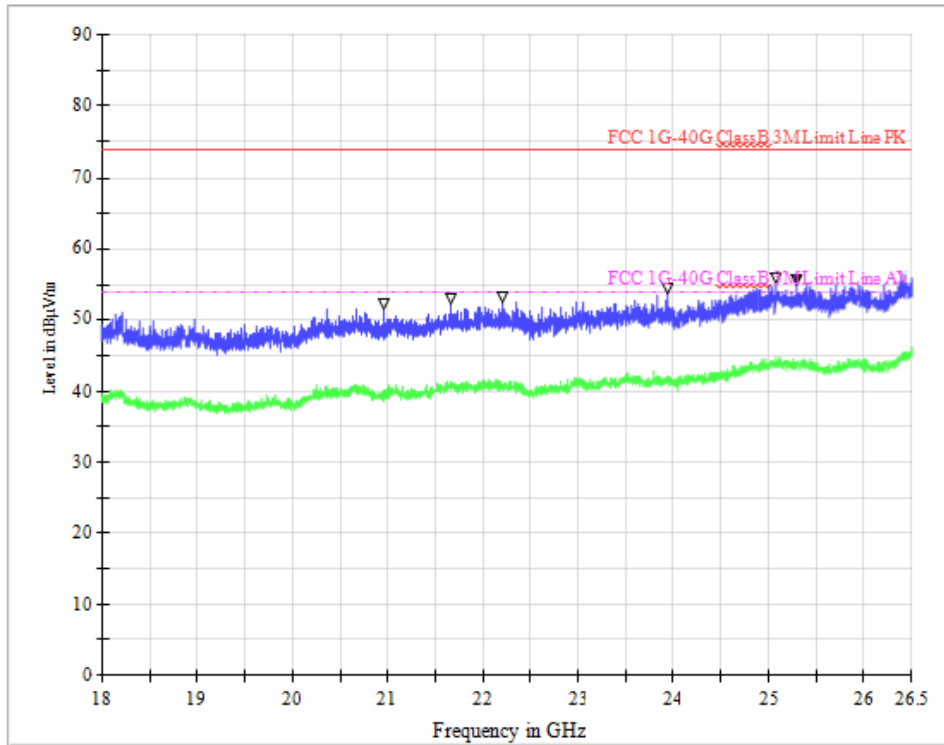
| Frequency<br>(MHz) | Peak<br>(dB $\mu$ V/m) | Peak limit<br>(dB $\mu$ V/m) | Peak<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------------|------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 30293              | 43.2                   | 73.9                         | 30.7                             | 0.0                            | 100.0                  | H        |
| 31370              | 44.3                   | 73.9                         | 29.6                             | 0.0                            | 100.0                  | H        |
| 33942              | 44.0                   | 73.9                         | 29.9                             | 0.0                            | 100.0                  | H        |
| 35646              | 44.3                   | 73.9                         | 29.6                             | 0.0                            | 100.0                  | H        |
| 38977              | 47.7                   | 73.9                         | 26.2                             | 0.0                            | 100.0                  | H        |
| 39700              | 47.6                   | 73.9                         | 26.3                             | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 30293              | 30.9                    | 54.0                            | 23.1                                | 0.0                         | 100.0                  | H        |
| 31370              | 31.7                    | 54.0                            | 22.3                                | 0.0                         | 100.0                  | H        |
| 33942              | 31.4                    | 54.0                            | 22.6                                | 0.0                         | 100.0                  | H        |
| 35646              | 31.4                    | 54.0                            | 22.6                                | 0.0                         | 100.0                  | H        |
| 38977              | 35.0                    | 54.0                            | 19.0                                | 0.0                         | 100.0                  | H        |
| 39700              | 35.2                    | 54.0                            | 18.8                                | 0.0                         | 100.0                  | H        |

**NOTE:**

The minimum margin value is over 4dB.





**-Vertical**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 39.72              | 20.4                  | 120                | 100                       | V        | 52                             | -16.6         | 19.6               | 40.0              |
| 85.52              | 28.6                  | 120                | 100                       | V        | 66                             | -19.2         | 11.4               | 40.0              |
| 94.52              | 33.2                  | 120                | 100                       | V        | 88                             | -16.8         | 10.3               | 43.5              |
| 99.84              | 29.4                  | 120                | 100                       | V        | 125                            | -16.4         | 14.1               | 43.5              |
| 253.84             | 33.4                  | 120                | 100                       | V        | 245                            | -15.1         | 12.6               | 46.0              |
| 408.32             | 35.6                  | 120                | 100                       | V        | 352                            | -11.2         | 10.4               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 2485.45            | 41.26            | 73.9                   | 32.64                      | 0.0                            | 100.0                  | V        |
| 4056.25            | 42.52            | 73.9                   | 31.38                      | 0.0                            | 100.0                  | V        |
| 6589.15            | 44.58            | 73.9                   | 29.32                      | 0.0                            | 100.0                  | V        |
| 12862.15           | 45.21            | 73.9                   | 28.69                      | 0.0                            | 100.0                  | V        |
| 16214.43           | 44.85            | 73.9                   | 29.05                      | 0.0                            | 100.0                  | V        |
| 17135.85           | 46.85            | 73.9                   | 27.05                      | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|----------------------------|--------------------------------|------------------------|----------|
| 2485.45            | 31.34             | 54                        | 22.66                      | 0.0                            | 100.0                  | V        |
| 4056.25            | 30.72             | 54                        | 23.28                      | 0.0                            | 100.0                  | V        |
| 6589.15            | 32.93             | 54                        | 21.07                      | 0.0                            | 100.0                  | V        |
| 12862.15           | 33.17             | 54                        | 20.83                      | 0.0                            | 100.0                  | V        |
| 16214.43           | 34.21             | 54                        | 19.79                      | 0.0                            | 100.0                  | V        |
| 17135.85           | 34.22             | 54                        | 19.78                      | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 21328              | 43.6             | 73.9                   | 30.3                       | 0.0                            | 100.0                  | V        |
| 22176              | 44.3             | 73.9                   | 29.6                       | 0.0                            | 100.0                  | V        |
| 23774              | 45.0             | 73.9                   | 28.9                       | 0.0                            | 100.0                  | V        |
| 25046              | 47.1             | 73.9                   | 26.8                       | 0.0                            | 100.0                  | V        |
| 25848              | 47.0             | 73.9                   | 26.9                       | 0.0                            | 100.0                  | V        |
| 26455              | 48.0             | 73.9                   | 25.9                       | 0.0                            | 100.0                  | V        |

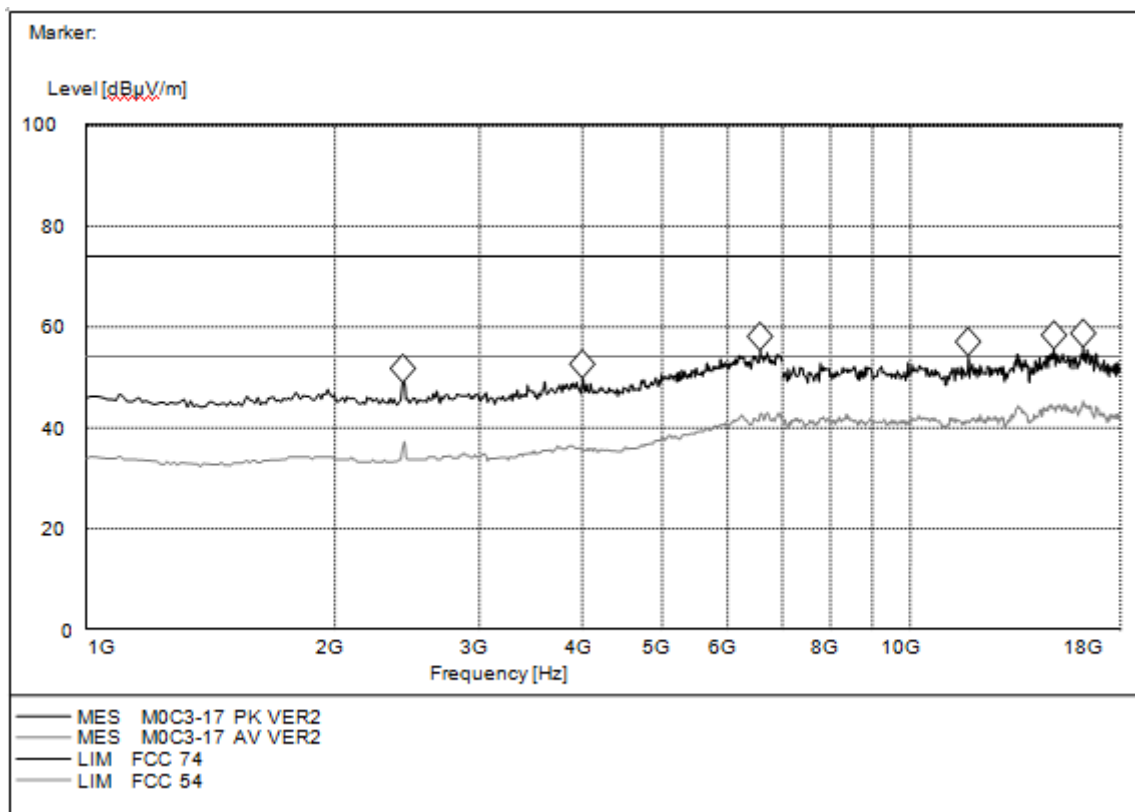
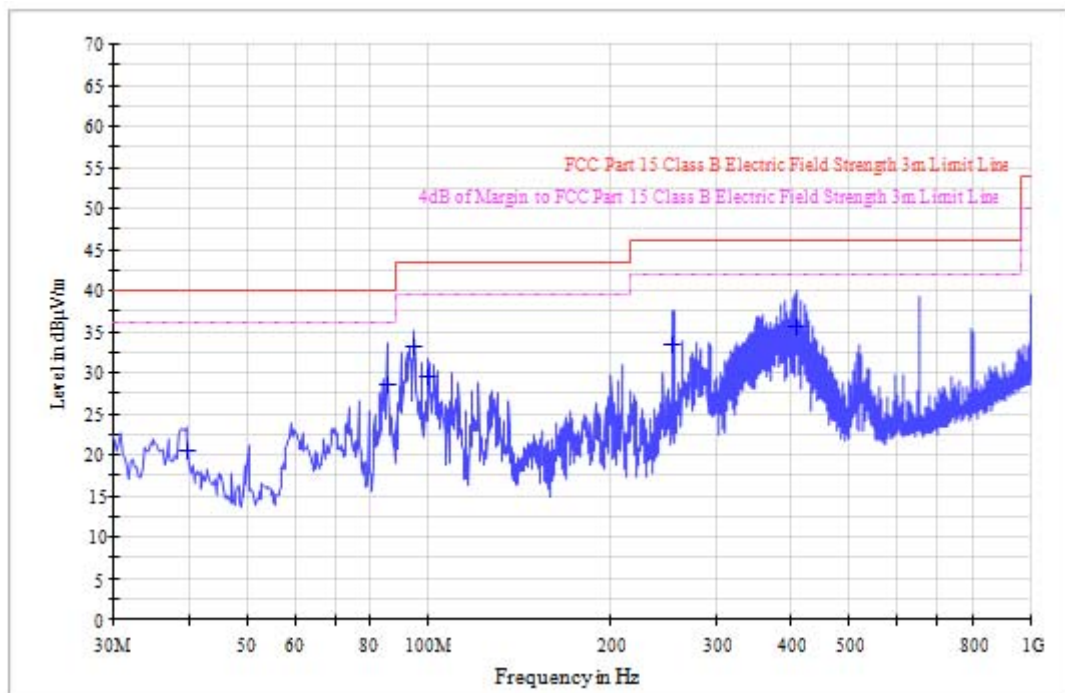
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|----------------------------|--------------------------------|------------------------|----------|
| 21328              | 31.1              | 54.0                      | 22.9                       | 0.0                            | 100.0                  | V        |
| 22176              | 31.8              | 54.0                      | 22.2                       | 0.0                            | 100.0                  | V        |
| 23774              | 32.2              | 54.0                      | 21.8                       | 0.0                            | 100.0                  | V        |
| 25046              | 34.3              | 54.0                      | 19.7                       | 0.0                            | 100.0                  | V        |
| 25848              | 34.7              | 54.0                      | 19.3                       | 0.0                            | 100.0                  | V        |
| 26455              | 35.8              | 54.0                      | 18.2                       | 0.0                            | 100.0                  | V        |

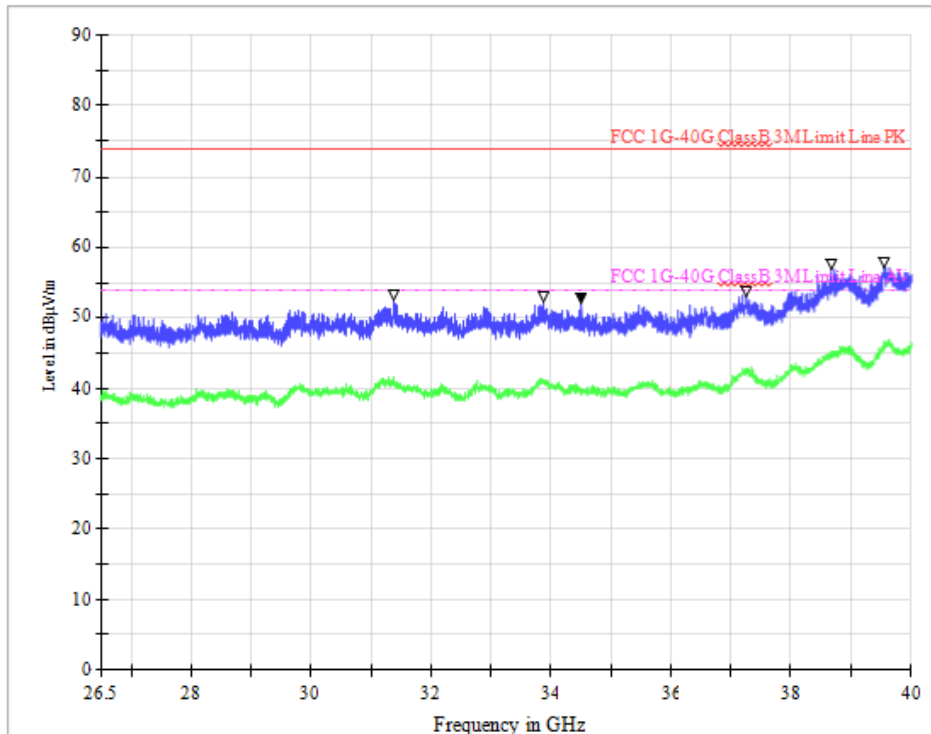
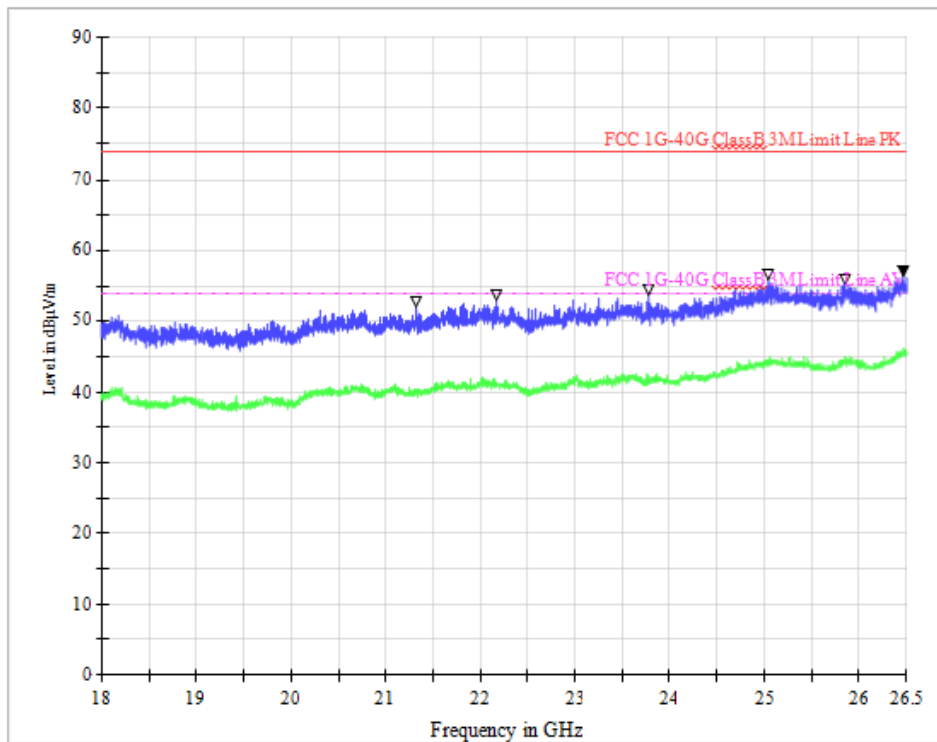
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 31373              | 44.6             | 73.9                   | 29.3                       | 0.0                            | 100.0                  | V        |
| 33878              | 44.3             | 73.9                   | 29.6                       | 0.0                            | 100.0                  | V        |
| 34509              | 44.1             | 73.9                   | 29.8                       | 0.0                            | 100.0                  | V        |
| 37263              | 44.9             | 73.9                   | 29.0                       | 0.0                            | 100.0                  | V        |
| 38653              | 46.8             | 73.9                   | 27.1                       | 0.0                            | 100.0                  | V        |
| 39558              | 48.2             | 73.9                   | 25.7                       | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 31373              | 31.7                    | 54.0                            | 22.3                             | 0.0                            | 100.0                  | V        |
| 33878              | 31.3                    | 54.0                            | 22.7                             | 0.0                            | 100.0                  | V        |
| 34509              | 30.8                    | 54.0                            | 23.2                             | 0.0                            | 100.0                  | V        |
| 37263              | 32.4                    | 54.0                            | 21.6                             | 0.0                            | 100.0                  | V        |
| 38653              | 34.6                    | 54.0                            | 19.4                             | 0.0                            | 100.0                  | V        |
| 39558              | 35.8                    | 54.0                            | 18.2                             | 0.0                            | 100.0                  | V        |

**NOTE:**

The minimum margin value is over 4dB.





**3. Radiated Emission Test data (WIFI SCAN+USB PRINT Mode)****-Horizontal**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 100.56             | 27.2                  | 120                | 300                       | H        | 65                             | -16.4         | 16.3               | 43.5              |
| 162.64             | 28.6                  | 120                | 300                       | H        | 56                             | -19.6         | 14.9               | 43.5              |
| 253.84             | 34.2                  | 120                | 300                       | H        | 98                             | -15.1         | 11.8               | 46.0              |
| 292.64             | 33.6                  | 120                | 300                       | H        | 125                            | -13.9         | 12.4               | 46.0              |
| 350.80             | 39.9                  | 120                | 100                       | H        | 226                            | -12.4         | 6.1                | 46.0              |
| 393.76             | 36.4                  | 120                | 100                       | H        | 34                             | -11.6         | 9.6                | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 1158.72            | 42.10            | 73.9                   | 31.80                      | 0.0                            | 100.0                  | H        |
| 1956.84            | 42.26            | 73.9                   | 31.64                      | 0.0                            | 100.0                  | H        |
| 6480.41            | 48.62            | 73.9                   | 25.28                      | 0.0                            | 100.0                  | H        |
| 6711.42            | 49.51            | 73.9                   | 24.39                      | 0.0                            | 100.0                  | H        |
| 15247.63           | 50.12            | 73.9                   | 23.78                      | 0.0                            | 100.0                  | H        |
| 17896.30           | 50.98            | 73.9                   | 22.92                      | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|--------------------------------|------------------------|----------|
| 1158.72            | 27.20             | 54                        | 26.80                         | 0.0                            | 100.0                  | H        |
| 1956.84            | 26.84             | 54                        | 27.16                         | 0.0                            | 100.0                  | H        |
| 6480.41            | 39.85             | 54                        | 14.15                         | 0.0                            | 100.0                  | H        |
| 6711.42            | 40.26             | 54                        | 13.74                         | 0.0                            | 100.0                  | H        |
| 15247.63           | 41.85             | 54                        | 12.15                         | 0.0                            | 100.0                  | H        |
| 17896.30           | 40.81             | 54                        | 13.19                         | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Peak<br>(dB $\mu$ V/m) | Peak limit<br>(dB $\mu$ V/m) | Peak<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------------|------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 21827              | 44.3                   | 73.9                         | 29.6                             | 0.0                            | 100.0                  | H        |
| 22093              | 44.2                   | 73.9                         | 29.7                             | 0.0                            | 100.0                  | H        |
| 23559              | 44.5                   | 73.9                         | 29.4                             | 0.0                            | 100.0                  | H        |
| 24855              | 46.3                   | 73.9                         | 27.6                             | 0.0                            | 100.0                  | H        |
| 25539              | 46.0                   | 73.9                         | 27.9                             | 0.0                            | 100.0                  | H        |
| 26477              | 48.1                   | 73.9                         | 25.8                             | 0.0                            | 100.0                  | H        |

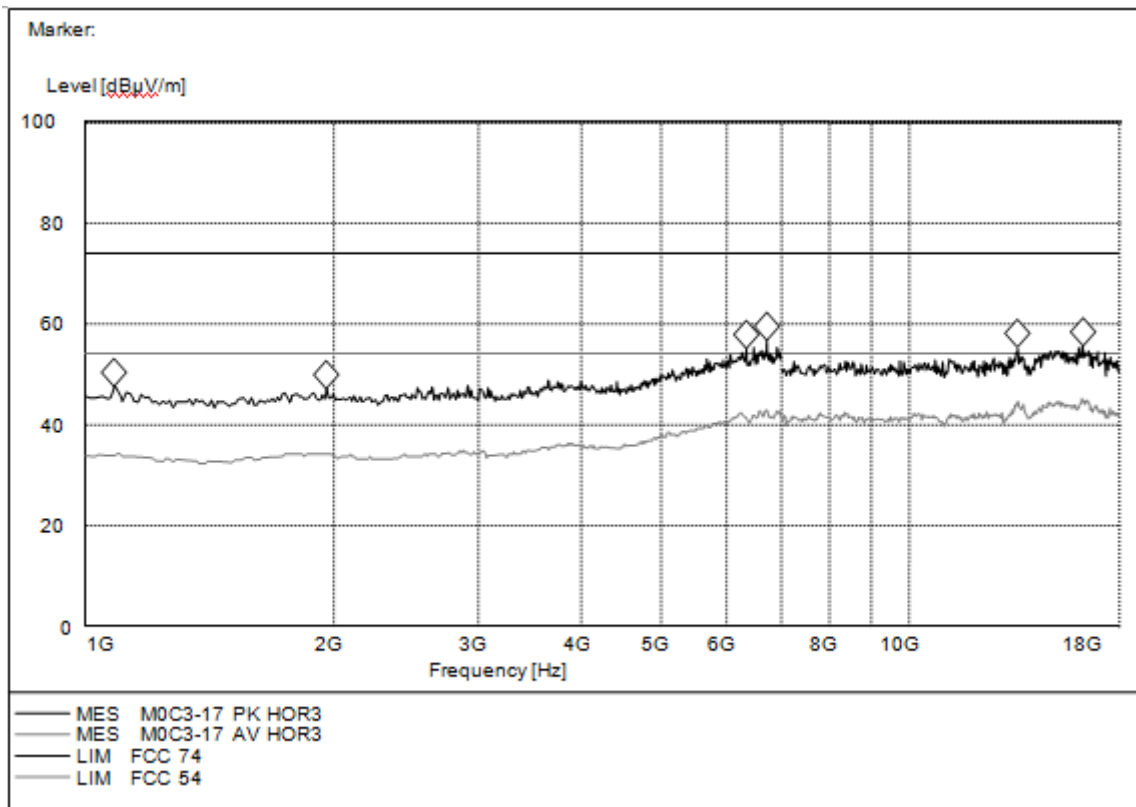
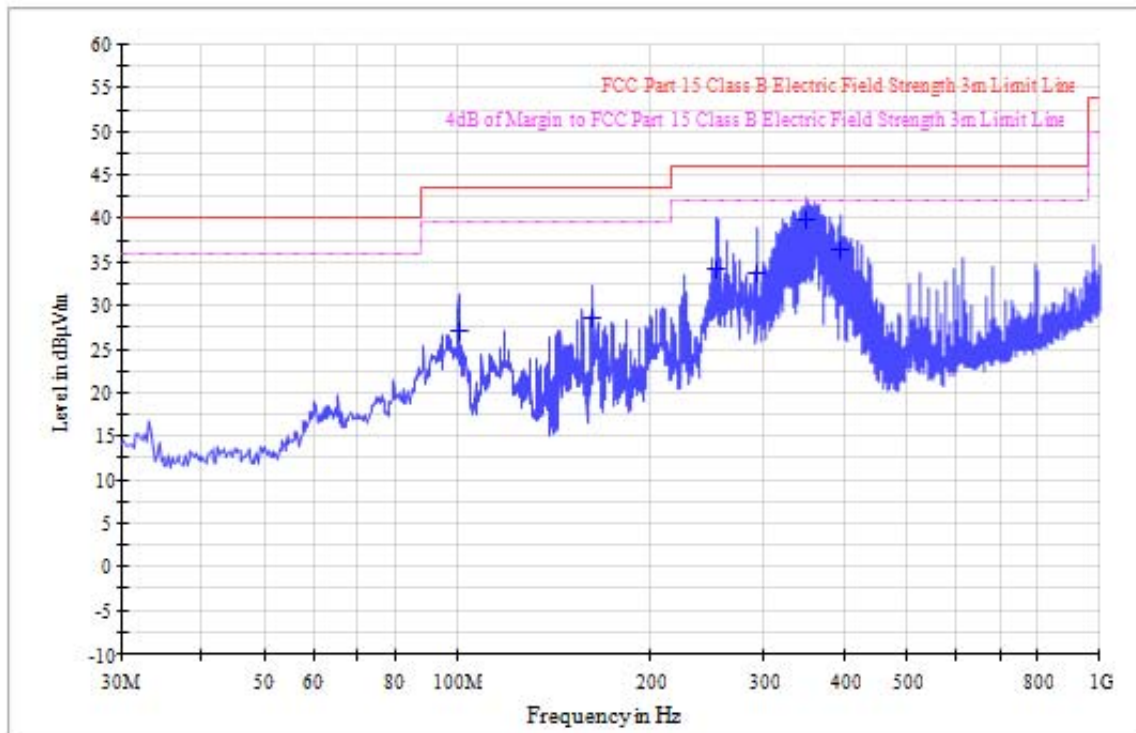
| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------|----------|
| 21827              | 31.7                    | 54.0                            | 22.3                                | 0.0                            | 100.0                  | H        |
| 22093              | 32.0                    | 54.0                            | 22.0                                | 0.0                            | 100.0                  | H        |
| 23559              | 32.5                    | 54.0                            | 21.5                                | 0.0                            | 100.0                  | H        |
| 24855              | 33.8                    | 54.0                            | 20.2                                | 0.0                            | 100.0                  | H        |
| 25539              | 33.8                    | 54.0                            | 20.2                                | 0.0                            | 100.0                  | H        |
| 26477              | 35.7                    | 54.0                            | 18.3                                | 0.0                            | 100.0                  | H        |

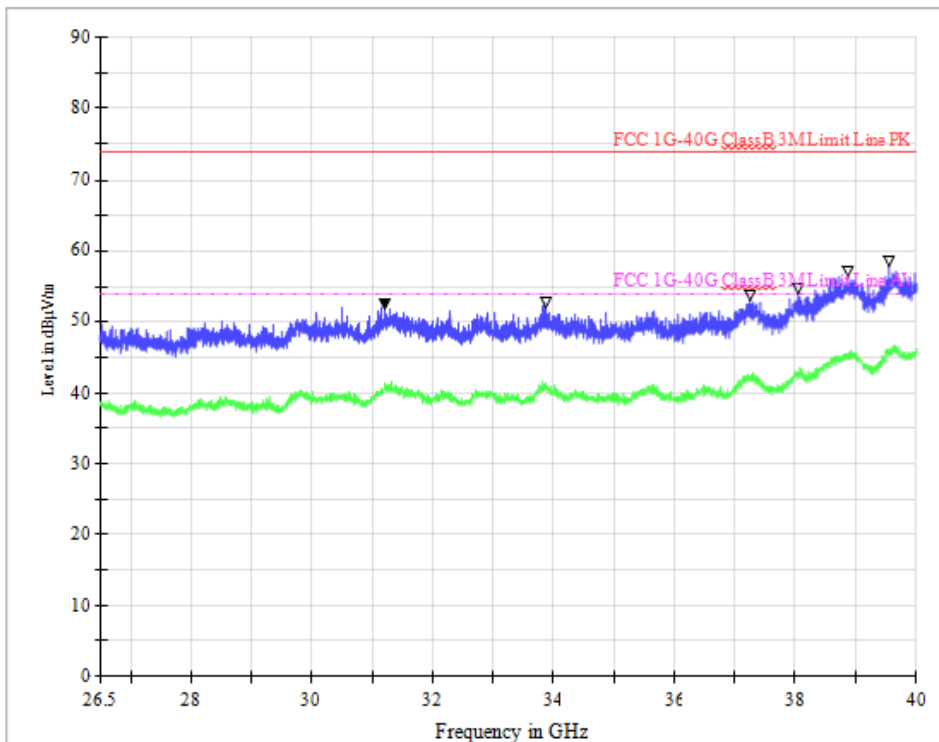
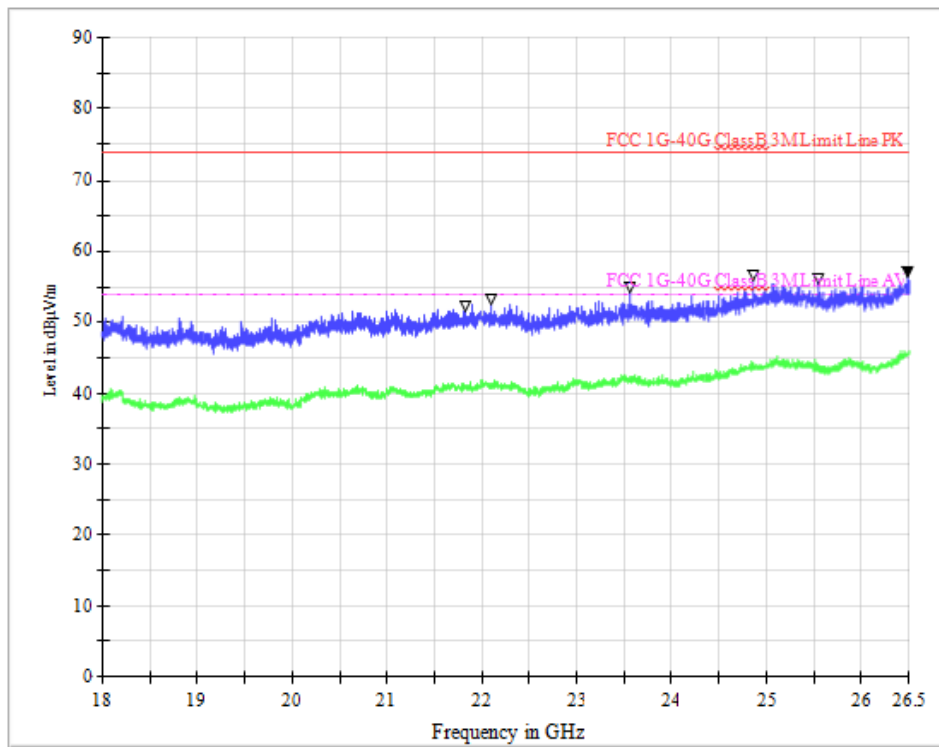
| Frequency<br>(MHz) | Peak<br>(dB $\mu$ V/m) | Peak limit<br>(dB $\mu$ V/m) | Peak<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------------|------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 31198              | 43.9                   | 73.9                         | 30.0                             | 0.0                            | 100.0                  | H        |
| 33881              | 44.1                   | 73.9                         | 29.8                             | 0.0                            | 100.0                  | H        |
| 37239              | 44.5                   | 73.9                         | 29.4                             | 0.0                            | 100.0                  | H        |
| 38042              | 45.5                   | 73.9                         | 28.4                             | 0.0                            | 100.0                  | H        |
| 38869              | 47.4                   | 73.9                         | 26.5                             | 0.0                            | 100.0                  | H        |
| 39544              | 48.0                   | 73.9                         | 25.9                             | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------|----------|
| 31198              | 31.3                    | 54.0                            | 22.7                                | 0.0                            | 100.0                  | H        |
| 33881              | 31.3                    | 54.0                            | 22.7                                | 0.0                            | 100.0                  | H        |
| 37239              | 32.2                    | 54.0                            | 21.8                                | 0.0                            | 100.0                  | H        |
| 38042              | 33                      | 54.0                            | 21.0                                | 0.0                            | 100.0                  | H        |
| 38869              | 35.1                    | 54.0                            | 18.9                                | 0.0                            | 100.0                  | H        |
| 39544              | 35.5                    | 54.0                            | 18.5                                | 0.0                            | 100.0                  | H        |

**NOTE:**

The minimum margin value is over 4dB.





**-Vertical**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 33.40              | 21.2                  | 120                | 100                       | V        | 195                            | -17.9         | 18.8               | 40.0              |
| 62.00              | 22.4                  | 120                | 100                       | V        | 225                            | -17.9         | 17.6               | 40.0              |
| 85.76              | 29.8                  | 120                | 100                       | V        | 145                            | -19.1         | 10.2               | 40.0              |
| 94.52              | 32.5                  | 120                | 100                       | V        | 115                            | -16.8         | 10.5               | 43.5              |
| 255.28             | 34.5                  | 120                | 100                       | V        | 275                            | -15.2         | 11.5               | 46.0              |
| 354.00             | 37.5                  | 120                | 100                       | V        | 72                             | -12.3         | 8.5                | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 6241.48            | 44.82            | 73.9                   | 29.08                      | 0.0                            | 100.0                  | V        |
| 6915.83            | 46.24            | 73.9                   | 27.66                      | 0.0                            | 100.0                  | V        |
| 8862.51            | 47.91            | 73.9                   | 25.99                      | 0.0                            | 100.0                  | V        |
| 12254.28           | 48.88            | 73.9                   | 25.02                      | 0.0                            | 100.0                  | V        |
| 15354.81           | 49.25            | 73.9                   | 24.65                      | 0.0                            | 100.0                  | V        |
| 16089.62           | 49.85            | 73.9                   | 24.05                      | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 1001.2000          | 28.20             | 54.0                      | 25.8                          | 0.0                         | 100.0                  | V        |
| 1199.2000          | 28.76             | 54.0                      | 25.24                         | 0.0                         | 100.0                  | V        |
| 1397.6000          | 29.52             | 54.0                      | 24.48                         | 0.0                         | 100.0                  | V        |
| 1597.2000          | 29.61             | 54.0                      | 24.39                         | 0.0                         | 100.0                  | V        |
| 1793.6000          | 30.82             | 54.0                      | 23.18                         | 0.0                         | 100.0                  | V        |
| 1917.2000          | 31.52             | 54.0                      | 22.48                         | 0.0                         | 100.0                  | V        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 20416              | 44.2             | 73.9                   | 29.7                       | 0.0                            | 100.0                  | V        |
| 22197              | 44.2             | 73.9                   | 29.7                       | 0.0                            | 100.0                  | V        |
| 23289              | 44.5             | 73.9                   | 29.4                       | 0.0                            | 100.0                  | V        |
| 25214              | 46.7             | 73.9                   | 27.2                       | 0.0                            | 100.0                  | V        |
| 25994              | 46.8             | 73.9                   | 27.1                       | 0.0                            | 100.0                  | V        |
| 26479              | 48.5             | 73.9                   | 25.4                       | 0.0                            | 100.0                  | V        |

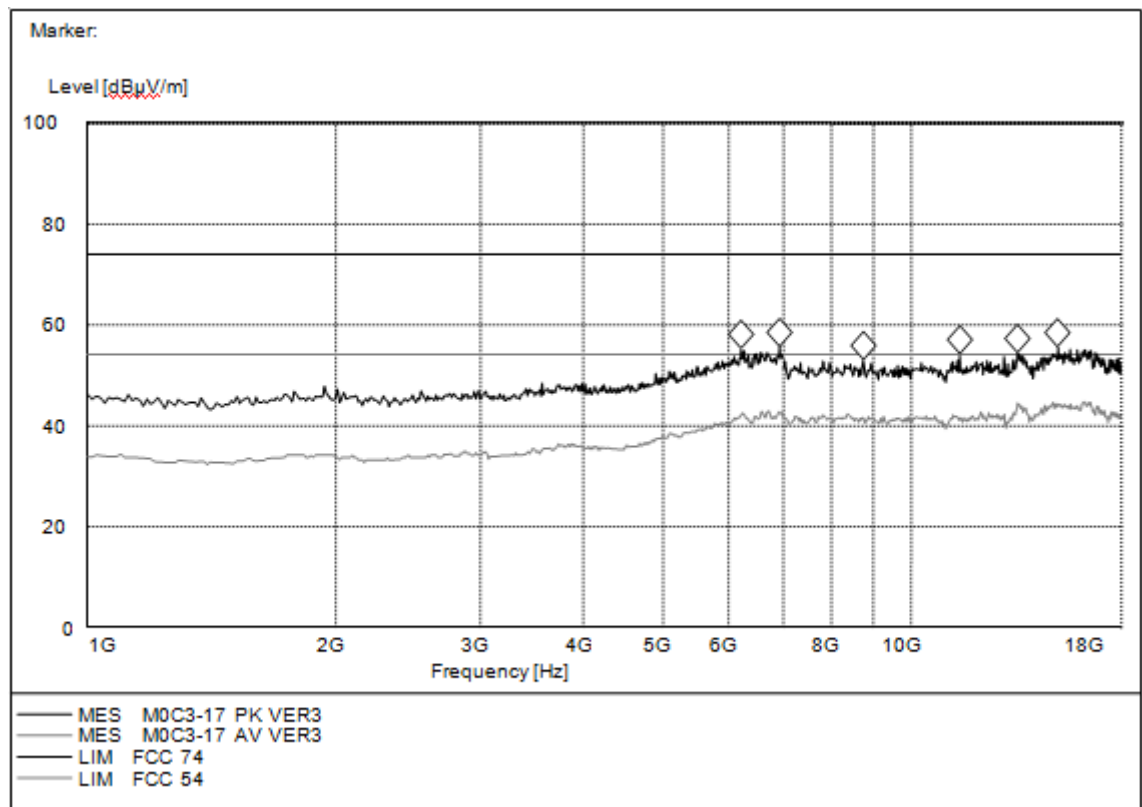
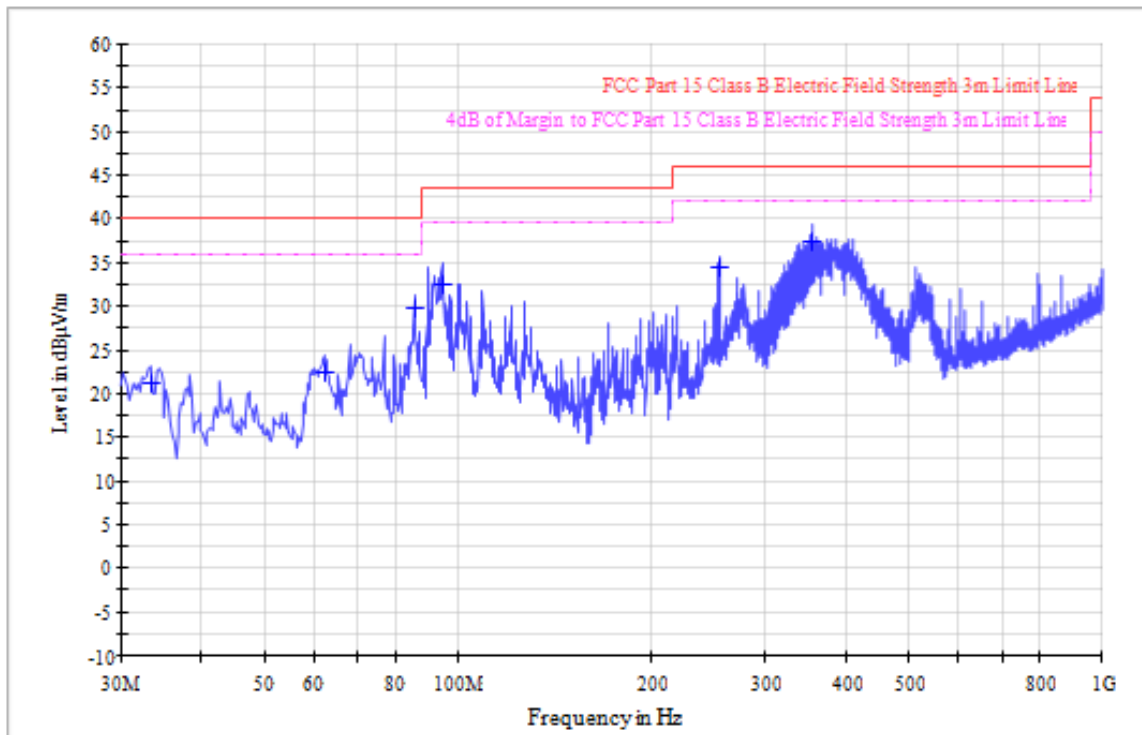
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 20416              | 31.7              | 54.0                      | 22.3                          | 0.0                         | 100.0                  | V        |
| 22197              | 31.7              | 54.0                      | 22.3                          | 0.0                         | 100.0                  | V        |
| 23289              | 32.1              | 54.0                      | 21.9                          | 0.0                         | 100.0                  | V        |
| 25214              | 34.5              | 54.0                      | 19.5                          | 0.0                         | 100.0                  | V        |
| 25994              | 34.4              | 54.0                      | 19.6                          | 0.0                         | 100.0                  | V        |
| 26479              | 36.0              | 54.0                      | 18.0                          | 0.0                         | 100.0                  | V        |

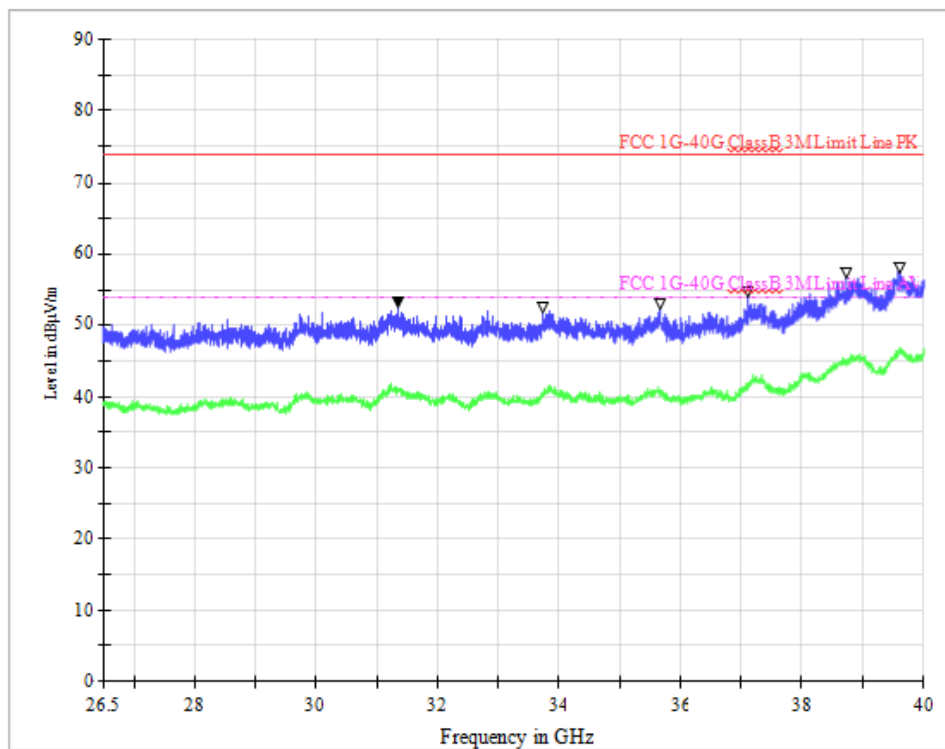
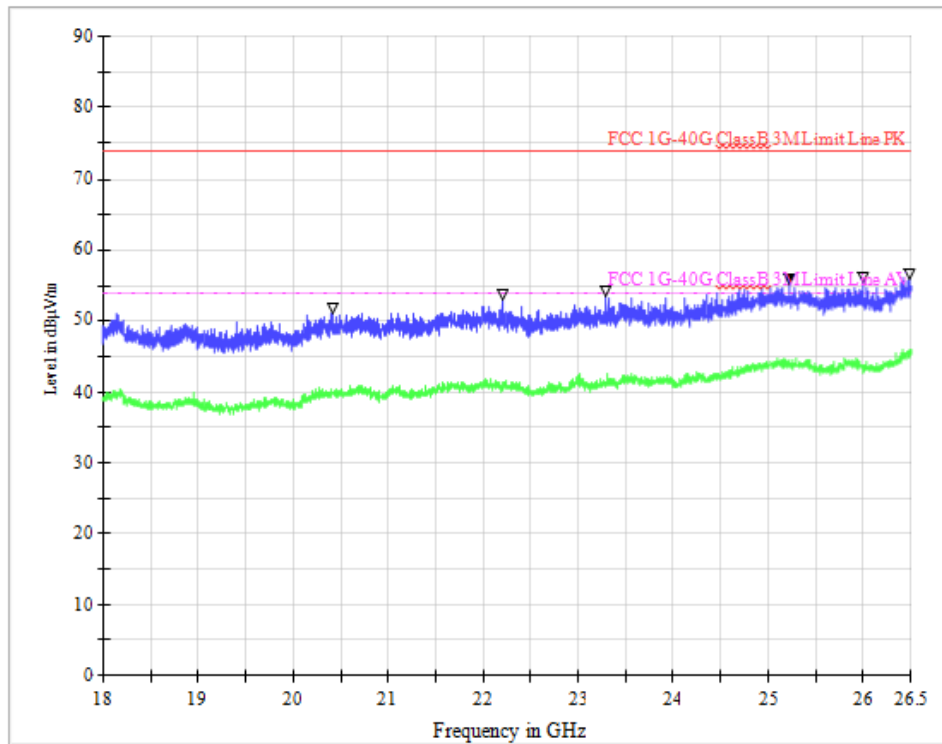
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 31350              | 44.7             | 73.9                   | 29.2                       | 0.0                            | 100.0                  | V        |
| 33722              | 43.4             | 73.9                   | 30.5                       | 0.0                            | 100.0                  | V        |
| 35650              | 44.2             | 73.9                   | 29.7                       | 0.0                            | 100.0                  | V        |
| 37108              | 44               | 73.9                   | 29.9                       | 0.0                            | 100.0                  | V        |
| 38717              | 47.8             | 73.9                   | 26.1                       | 0.0                            | 100.0                  | V        |
| 39615              | 48.2             | 73.9                   | 25.7                       | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 31350              | 31.7                    | 54.0                            | 22.3                                | 0.0                         | 100.0                  | V        |
| 33722              | 31.1                    | 54.0                            | 22.9                                | 0.0                         | 100.0                  | V        |
| 35650              | 31.4                    | 54.0                            | 22.6                                | 0.0                         | 100.0                  | V        |
| 37108              | 31.5                    | 54.0                            | 22.5                                | 0.0                         | 100.0                  | V        |
| 38717              | 34.8                    | 54.0                            | 19.2                                | 0.0                         | 100.0                  | V        |
| 39615              | 35.9                    | 54.0                            | 18.1                                | 0.0                         | 100.0                  | V        |

**NOTE:**

The minimum margin value is over 4dB.





**4. Radiated Emission Test data (WIFI PRINT+USB SCAN Mode)****-Horizontal**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 99.84              | 17.8                  | 120                | 400                       | H        | 29                             | -16.4         | 25.7               | 43.5              |
| 165.08             | 26.2                  | 120                | 400                       | H        | 123                            | -16.4         | 17.3               | 43.5              |
| 207.04             | 26.4                  | 120                | 400                       | H        | 220                            | -17.1         | 17.1               | 43.5              |
| 253.84             | 32.1                  | 120                | 400                       | H        | 325                            | -15.1         | 13.9               | 46.0              |
| 329.72             | 36.4                  | 120                | 400                       | H        | 270                            | -13.1         | 9.6                | 46.0              |
| 354.20             | 40.5                  | 120                | 100                       | H        | 288                            | -12.3         | 5.5                | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 1784.16            | 41.20            | 73.9                   | 32.70                      | 0.0                            | 100.0                  | H        |
| 2489.62            | 41.28            | 73.9                   | 32.62                      | 0.0                            | 100.0                  | H        |
| 7056.24            | 42.89            | 73.9                   | 31.01                      | 0.0                            | 100.0                  | H        |
| 8658.13            | 43.22            | 73.9                   | 30.68                      | 0.0                            | 100.0                  | H        |
| 13547.09           | 43.02            | 73.9                   | 30.88                      | 0.0                            | 100.0                  | H        |
| 17852.74           | 43.59            | 73.9                   | 30.31                      | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|--------------------------------|------------------------|----------|
| 1784.16            | 26.80             | 54.0                      | 27.2                          | 0.0                            | 100.0                  | H        |
| 2489.62            | 27.52             | 54.0                      | 26.48                         | 0.0                            | 100.0                  | H        |
| 7056.24            | 27.96             | 54.0                      | 26.04                         | 0.0                            | 100.0                  | H        |
| 8658.13            | 28.97             | 54.0                      | 25.03                         | 0.0                            | 100.0                  | H        |
| 13547.09           | 32.15             | 54.0                      | 21.85                         | 0.0                            | 100.0                  | H        |
| 17852.74           | 31.85             | 54.0                      | 22.15                         | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 20739              | 44.0             | 73.9                   | 29.9                       | 0.0                            | 100.0                  | H        |
| 21999              | 44.3             | 73.9                   | 29.6                       | 0.0                            | 100.0                  | H        |
| 23559              | 45.1             | 73.9                   | 28.8                       | 0.0                            | 100.0                  | H        |
| 25140              | 47.1             | 73.9                   | 26.8                       | 0.0                            | 100.0                  | H        |
| 25979              | 46.5             | 73.9                   | 27.4                       | 0.0                            | 100.0                  | H        |
| 26498              | 48.2             | 73.9                   | 25.7                       | 0.0                            | 100.0                  | H        |

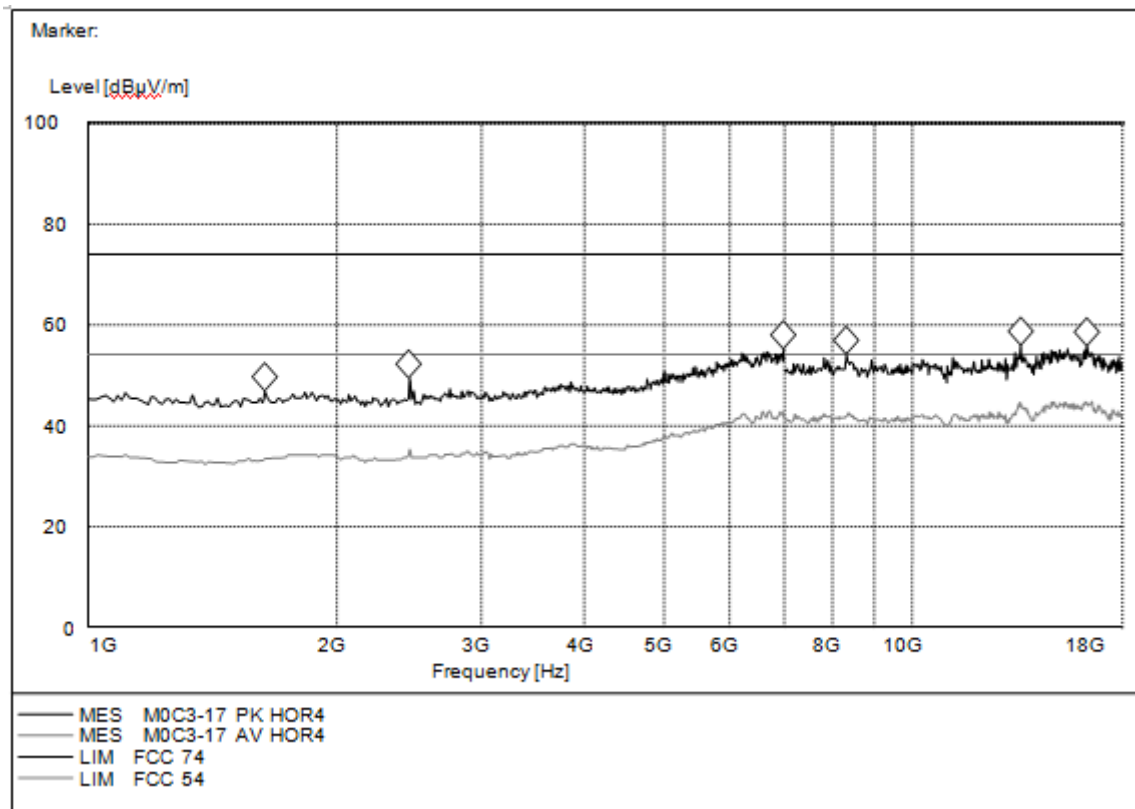
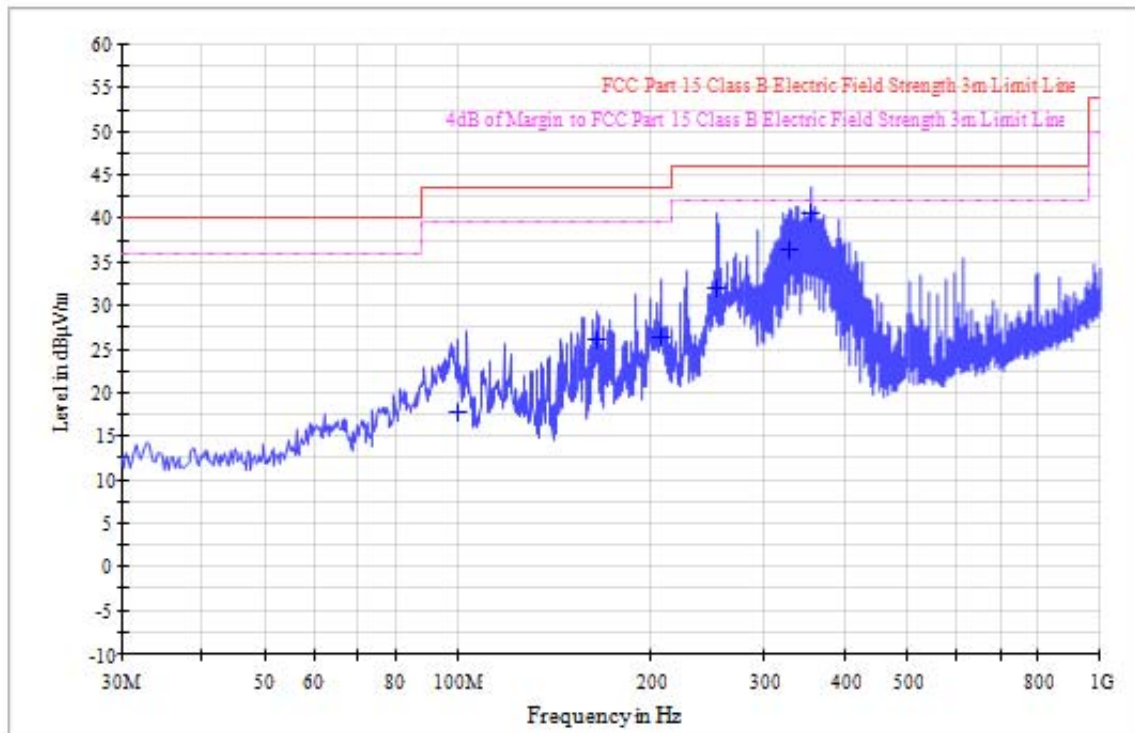
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|--------------------------------|------------------------|----------|
| 20739              | 31.5              | 54.0                      | 22.5                          | 0.0                            | 100.0                  | H        |
| 21999              | 32.1              | 54.0                      | 21.9                          | 0.0                            | 100.0                  | H        |
| 23559              | 32.5              | 54.0                      | 21.5                          | 0.0                            | 100.0                  | H        |
| 25140              | 34.6              | 54.0                      | 19.4                          | 0.0                            | 100.0                  | H        |
| 25979              | 34.5              | 54.0                      | 19.5                          | 0.0                            | 100.0                  | H        |
| 26498              | 35.8              | 54.0                      | 18.2                          | 0.0                            | 100.0                  | H        |

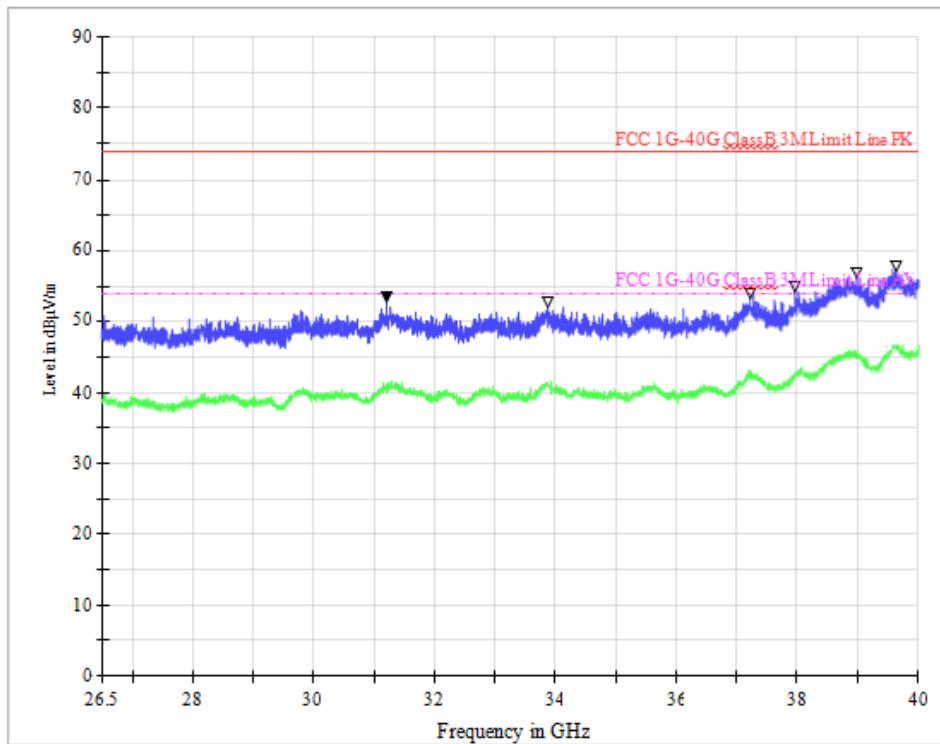
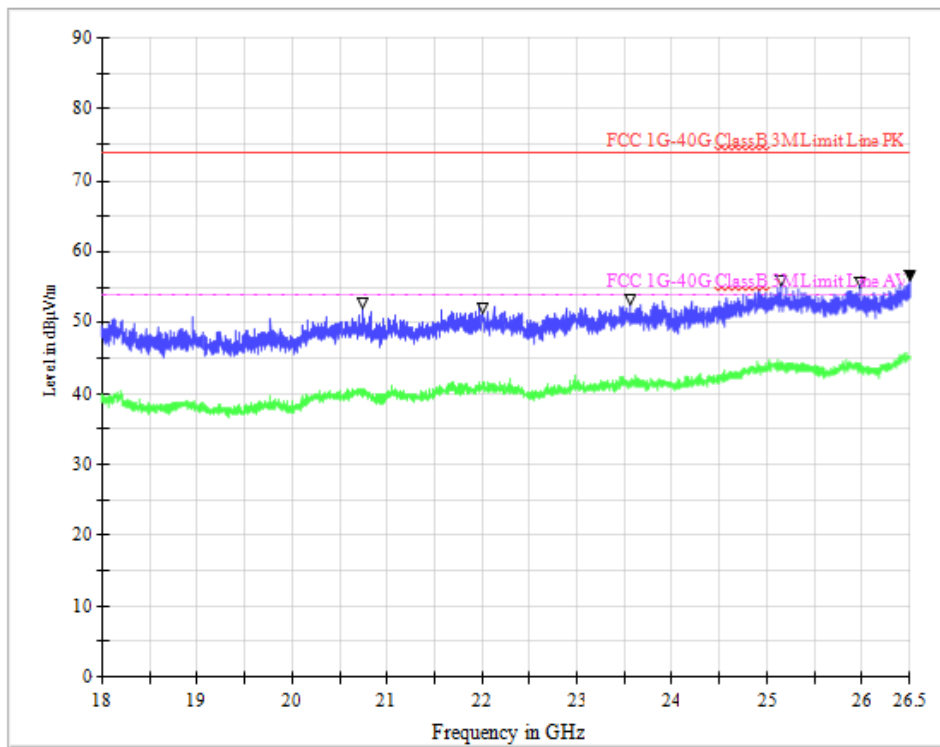
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 31211              | 44.9             | 73.9                   | 29.0                       | 0.0                            | 100.0                  | H        |
| 33868              | 44.2             | 73.9                   | 29.7                       | 0.0                            | 100.0                  | H        |
| 37219              | 44.8             | 73.9                   | 29.1                       | 0.0                            | 100.0                  | H        |
| 37961              | 45.1             | 73.9                   | 28.8                       | 0.0                            | 100.0                  | H        |
| 38981              | 47.5             | 73.9                   | 26.4                       | 0.0                            | 100.0                  | H        |
| 39619              | 48.6             | 73.9                   | 25.3                       | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------|----------|
| 31211              | 31.5                    | 54.0                            | 22.5                                | 0.0                            | 100.0                  | H        |
| 33868              | 31.7                    | 54.0                            | 22.3                                | 0.0                            | 100.0                  | H        |
| 37219              | 32.3                    | 54.0                            | 21.7                                | 0.0                            | 100.0                  | H        |
| 37961              | 32.5                    | 54.0                            | 21.5                                | 0.0                            | 100.0                  | H        |
| 38981              | 35.1                    | 54.0                            | 18.9                                | 0.0                            | 100.0                  | H        |
| 39619              | 35.9                    | 54.0                            | 18.1                                | 0.0                            | 100.0                  | H        |

**NOTE:**

The minimum margin value is over 4dB.





**-Vertical**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 32.92              | 17.6                  | 120                | 100                       | V        | 36                             | -17.9         | 22.4               | 40.0              |
| 62.00              | 20.4                  | 120                | 100                       | V        | 125                            | -17.9         | 19.6               | 40.0              |
| 94.52              | 27.5                  | 120                | 100                       | V        | 86                             | -16.8         | 16.0               | 43.5              |
| 100.32             | 29.5                  | 120                | 100                       | V        | 36                             | -16.4         | 14.0               | 43.5              |
| 253.84             | 31.2                  | 120                | 100                       | V        | 245                            | -15.1         | 14.8               | 46.0              |
| 353.00             | 35.9                  | 120                | 100                       | V        | 335                            | -12.3         | 10.1               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 3895.24            | 42.10            | 73.9                   | 31.80                      | 0.0                            | 100.0                  | V        |
| 6658.41            | 43.58            | 73.9                   | 30.32                      | 0.0                            | 100.0                  | V        |
| 6903.81            | 43.92            | 73.9                   | 29.98                      | 0.0                            | 100.0                  | V        |
| 8451.59            | 44.82            | 73.9                   | 29.08                      | 0.0                            | 100.0                  | V        |
| 14856.21           | 43.62            | 73.9                   | 30.28                      | 0.0                            | 100.0                  | V        |
| 17268.60           | 45.92            | 73.9                   | 27.98                      | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|----------------------------|--------------------------------|------------------------|----------|
| 3895.24            | 27.12             | 54.0                      | 27.12                      | 0.0                            | 100.0                  | V        |
| 6658.41            | 28.42             | 54.0                      | 28.42                      | 0.0                            | 100.0                  | V        |
| 6903.81            | 28.68             | 54.0                      | 28.68                      | 0.0                            | 100.0                  | V        |
| 8451.59            | 29.80             | 54.0                      | 29.80                      | 0.0                            | 100.0                  | V        |
| 14856.21           | 30.28             | 54.0                      | 30.28                      | 0.0                            | 100.0                  | V        |
| 17268.60           | 30.80             | 54.0                      | 30.80                      | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Peak<br>(dB $\mu$ V/m) | Peak limit<br>(dB $\mu$ V/m) | Peak<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------------|------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 20522              | 43.5                   | 73.9                         | 30.4                             | 0.0                            | 100.0                  | V        |
| 21663              | 44.7                   | 73.9                         | 29.2                             | 0.0                            | 100.0                  | V        |
| 23544              | 44.9                   | 73.9                         | 29.0                             | 0.0                            | 100.0                  | V        |
| 24949              | 46.1                   | 73.9                         | 27.8                             | 0.0                            | 100.0                  | V        |
| 25125              | 47.0                   | 73.9                         | 26.9                             | 0.0                            | 100.0                  | V        |
| 25930              | 46.9                   | 73.9                         | 27.0                             | 0.0                            | 100.0                  | V        |

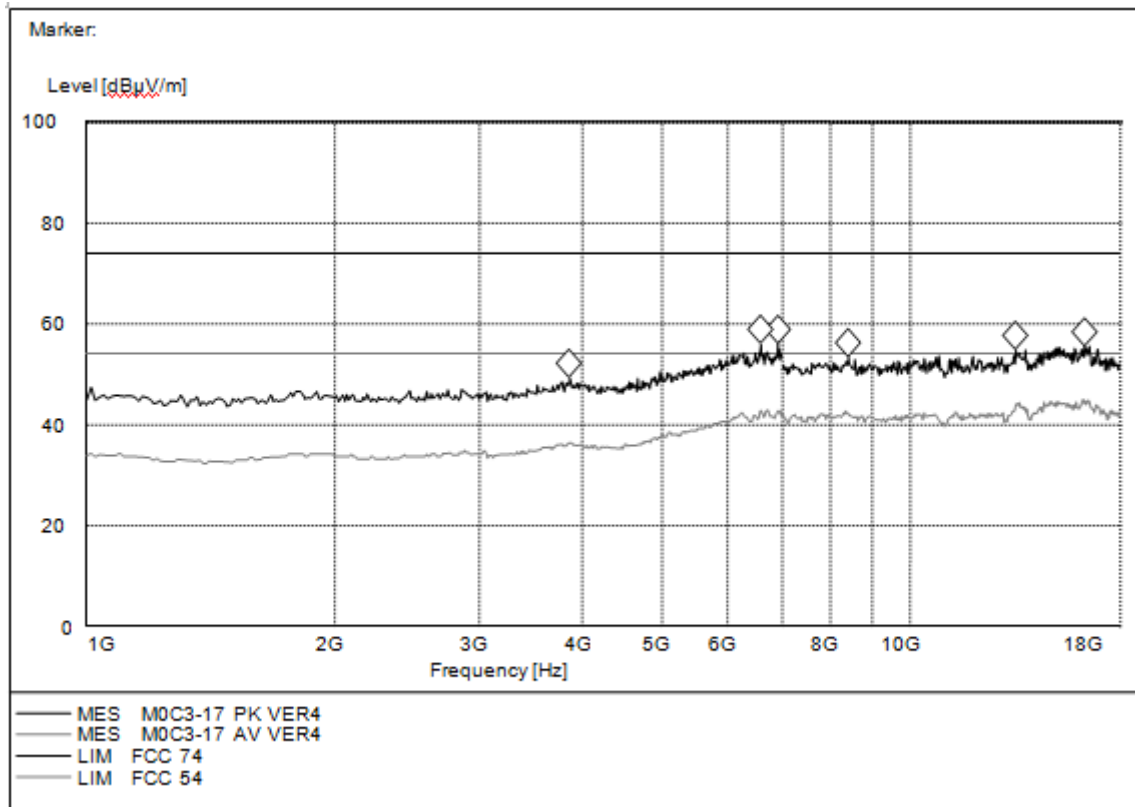
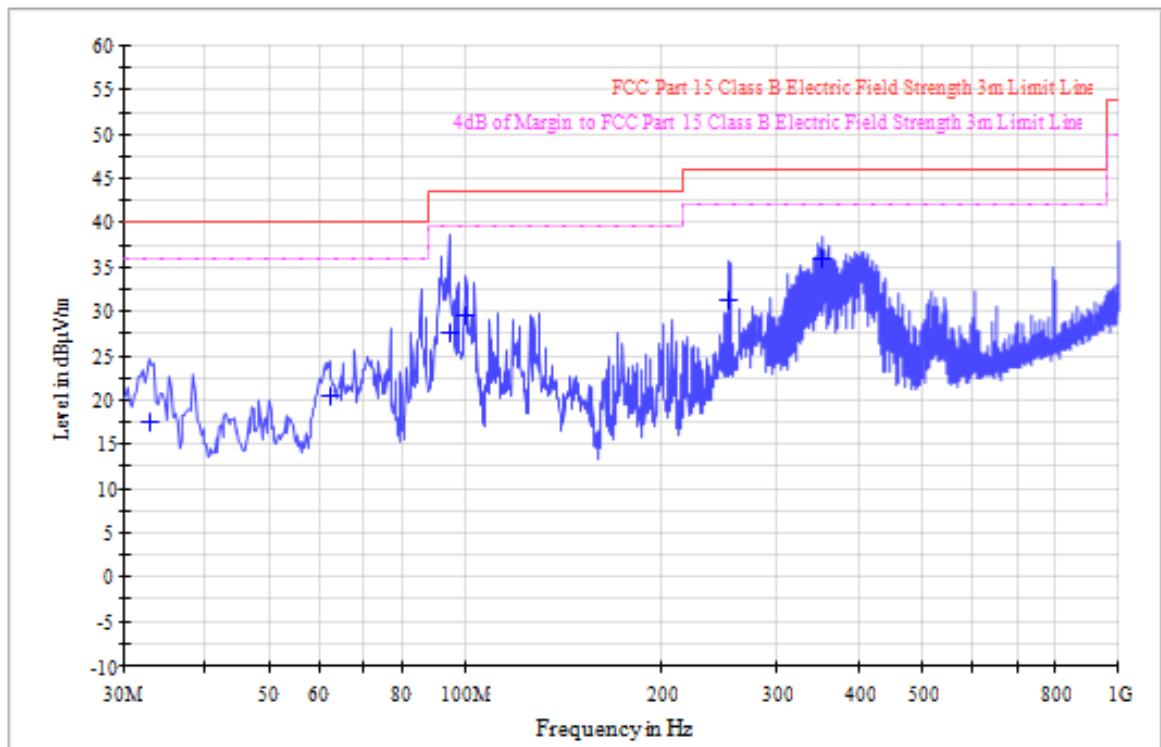
| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 20739              | 31.4                    | 54.0                            | 22.6                             | 0.0                            | 100.0                  | V        |
| 21999              | 31.9                    | 54.0                            | 22.1                             | 0.0                            | 100.0                  | V        |
| 23559              | 32.5                    | 54.0                            | 21.5                             | 0.0                            | 100.0                  | V        |
| 25140              | 34.1                    | 54.0                            | 19.9                             | 0.0                            | 100.0                  | V        |
| 25979              | 34.6                    | 54.0                            | 19.4                             | 0.0                            | 100.0                  | V        |
| 26498              | 34.8                    | 54.0                            | 19.2                             | 0.0                            | 100.0                  | V        |

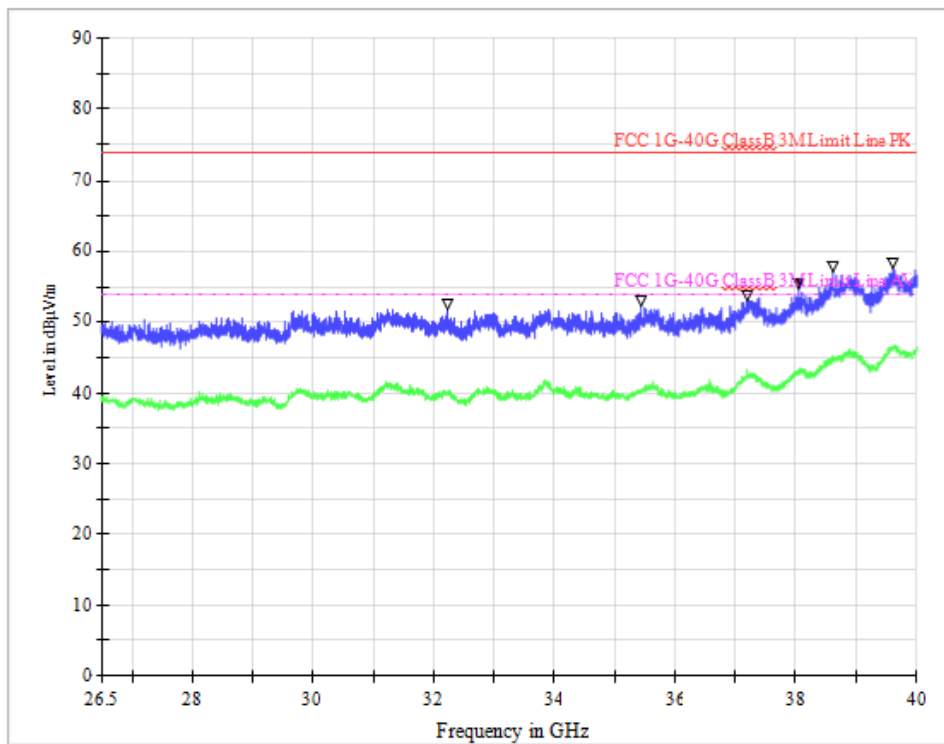
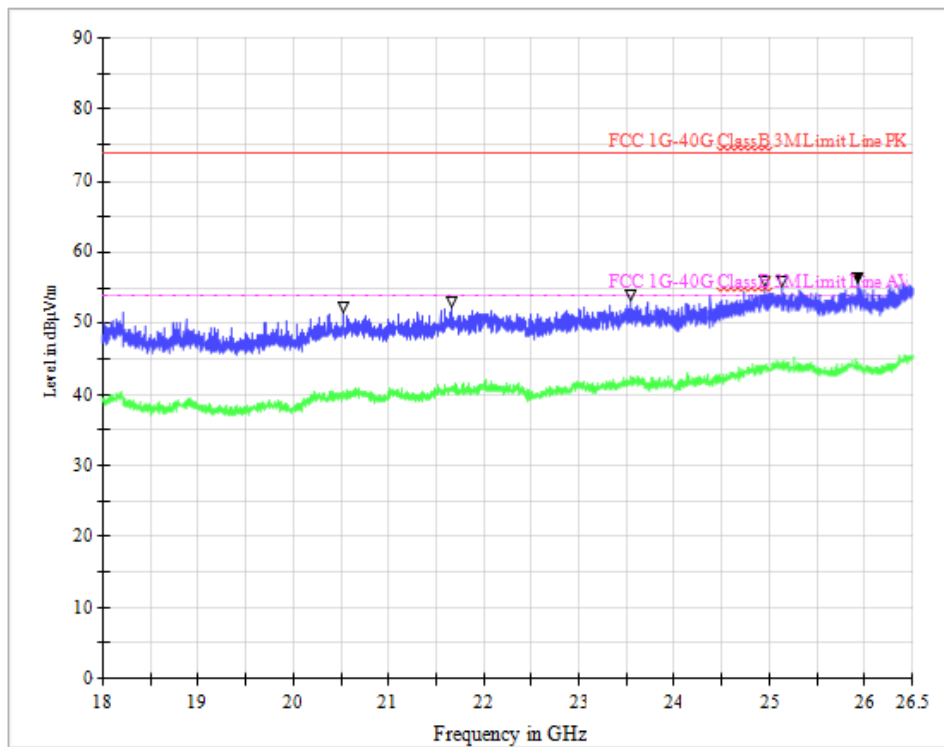
| Frequency<br>(MHz) | Peak<br>(dB $\mu$ V/m) | Peak limit<br>(dB $\mu$ V/m) | Peak<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------------|------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 32217              | 43.3                   | 73.9                         | 30.6                             | 0.0                            | 100.0                  | V        |
| 35444              | 44.2                   | 73.9                         | 29.7                             | 0.0                            | 100.0                  | V        |
| 37192              | 44.9                   | 73.9                         | 29.0                             | 0.0                            | 100.0                  | V        |
| 38042              | 45.8                   | 73.9                         | 28.1                             | 0.0                            | 100.0                  | V        |
| 38616              | 47.9                   | 73.9                         | 26.0                             | 0.0                            | 100.0                  | V        |
| 39612              | 48.5                   | 73.9                         | 25.4                             | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 32217              | 29.9                    | 54.0                            | 24.1                             | 0.0                            | 100.0                  | V        |
| 35444              | 31.2                    | 54.0                            | 22.8                             | 0.0                            | 100.0                  | V        |
| 37192              | 32.1                    | 54.0                            | 21.9                             | 0.0                            | 100.0                  | V        |
| 38042              | 33                      | 54.0                            | 21.0                             | 0.0                            | 100.0                  | V        |
| 38616              | 34.5                    | 54.0                            | 19.5                             | 0.0                            | 100.0                  | V        |
| 39612              | 35.8                    | 54.0                            | 18.2                             | 0.0                            | 100.0                  | V        |

**NOTE:**

The minimum margin value is over 4dB.





**5. Radiated Emission Test data (NIC Print + Scan to USB memory Mode)****-Horizontal**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 89.16              | 24.5                  | 120                | 300                       | H        | 25                             | -18.0         | 19.0               | 43.5              |
| 102.52             | 27.4                  | 120                | 300                       | H        | 33                             | -16.5         | 16.1               | 43.5              |
| 150.04             | 22.1                  | 120                | 300                       | H        | 48                             | -20.3         | 21.4               | 43.5              |
| 255.28             | 32.1                  | 120                | 300                       | H        | 66                             | -15.2         | 13.9               | 46.0              |
| 272.00             | 34.8                  | 120                | 300                       | H        | 120                            | -14.7         | 11.2               | 46.0              |
| 339.44             | 33.4                  | 120                | 300                       | H        | 225                            | -12.5         | 12.6               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 6723.45            | 41.82            | 73.9                   | 32.08                      | 0.0                            | 100.0                  | H        |
| 8484.11            | 40.50            | 73.9                   | 33.40                      | 0.0                            | 100.0                  | H        |
| 11582.74           | 42.00            | 73.9                   | 31.90                      | 0.0                            | 100.0                  | H        |
| 15863.24           | 44.65            | 73.9                   | 29.25                      | 0.0                            | 100.0                  | H        |
| 16974.15           | 45.27            | 73.9                   | 28.63                      | 0.0                            | 100.0                  | H        |
| 17278.62           | 46.72            | 73.9                   | 27.18                      | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 6723.45            | 26.70             | 54.0                      | 27.30                         | 0.0                         | 100.0                  | H        |
| 8484.11            | 27.58             | 54.0                      | 26.42                         | 0.0                         | 100.0                  | H        |
| 11582.74           | 28.81             | 54.0                      | 25.19                         | 0.0                         | 100.0                  | H        |
| 15863.24           | 31.52             | 54.0                      | 22.48                         | 0.0                         | 100.0                  | H        |
| 16974.15           | 32.52             | 54.0                      | 21.48                         | 0.0                         | 100.0                  | H        |
| 17278.62           | 31.71             | 54.0                      | 22.29                         | 0.0                         | 100.0                  | H        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 21026              | 44               | 73.9                   | 29.9                       | 0.0                            | 100.0                  | H        |
| 21672              | 44.1             | 73.9                   | 29.8                       | 0.0                            | 100.0                  | H        |
| 23000              | 44.9             | 73.9                   | 29.0                       | 0.0                            | 100.0                  | H        |
| 24655              | 45.9             | 73.9                   | 28.0                       | 0.0                            | 100.0                  | H        |
| 25168              | 47.2             | 73.9                   | 26.7                       | 0.0                            | 100.0                  | H        |
| 25491              | 46.3             | 73.9                   | 27.6                       | 0.0                            | 100.0                  | H        |

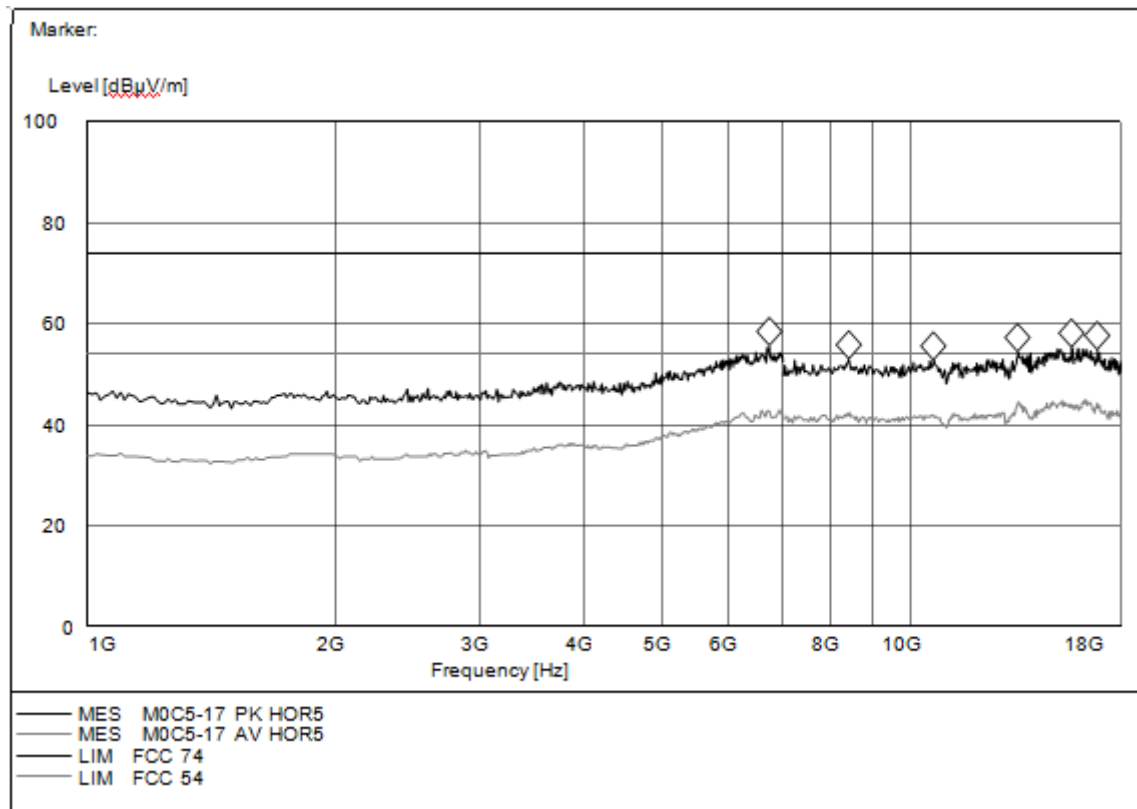
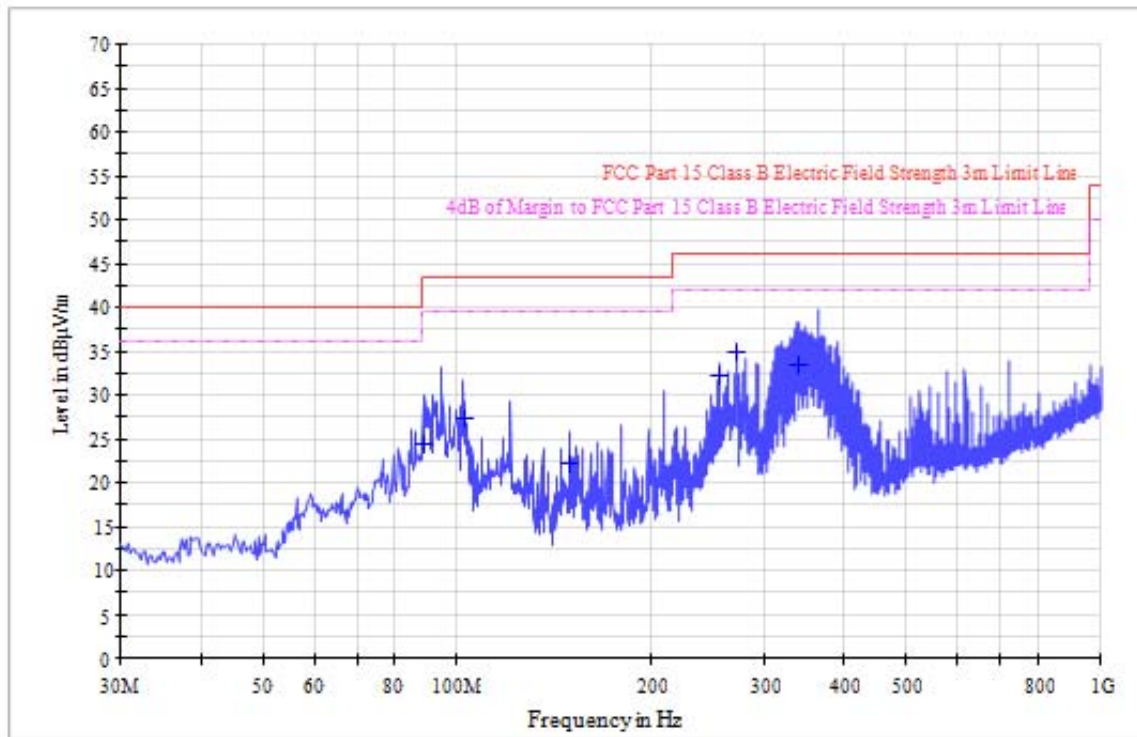
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 21026              | 31.6              | 54.0                      | 22.4                          | 0.0                         | 100.0                  | H        |
| 21672              | 31.9              | 54.0                      | 22.1                          | 0.0                         | 100.0                  | H        |
| 23000              | 32.1              | 54.0                      | 21.9                          | 0.0                         | 100.0                  | H        |
| 24655              | 33.4              | 54.0                      | 20.6                          | 0.0                         | 100.0                  | H        |
| 25168              | 34.4              | 54.0                      | 19.6                          | 0.0                         | 100.0                  | H        |
| 25491              | 33.9              | 54.0                      | 20.1                          | 0.0                         | 100.0                  | H        |

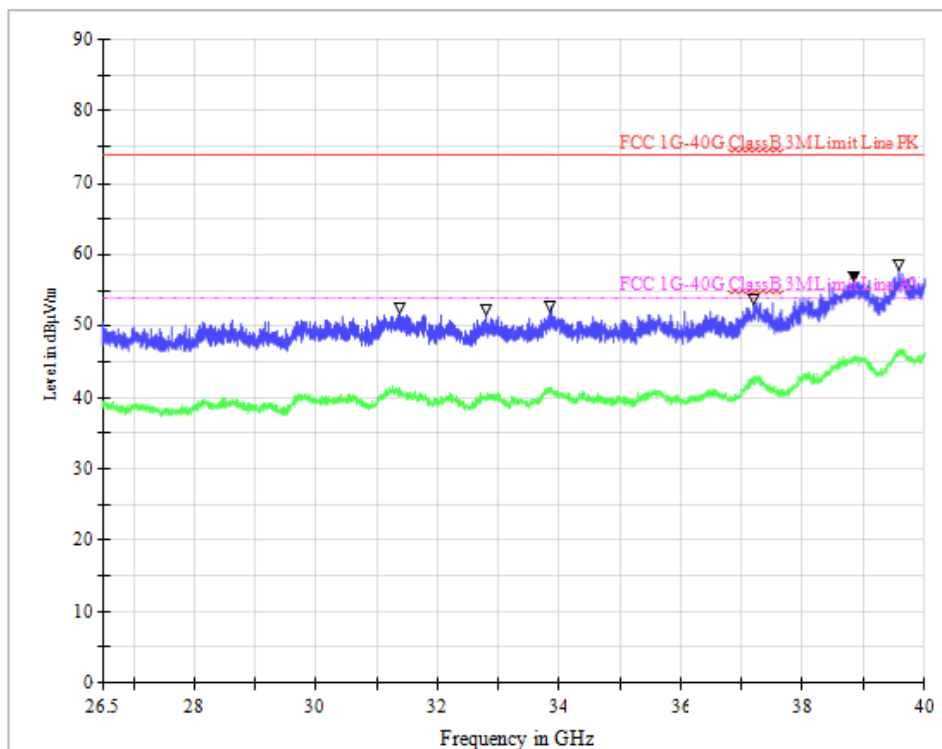
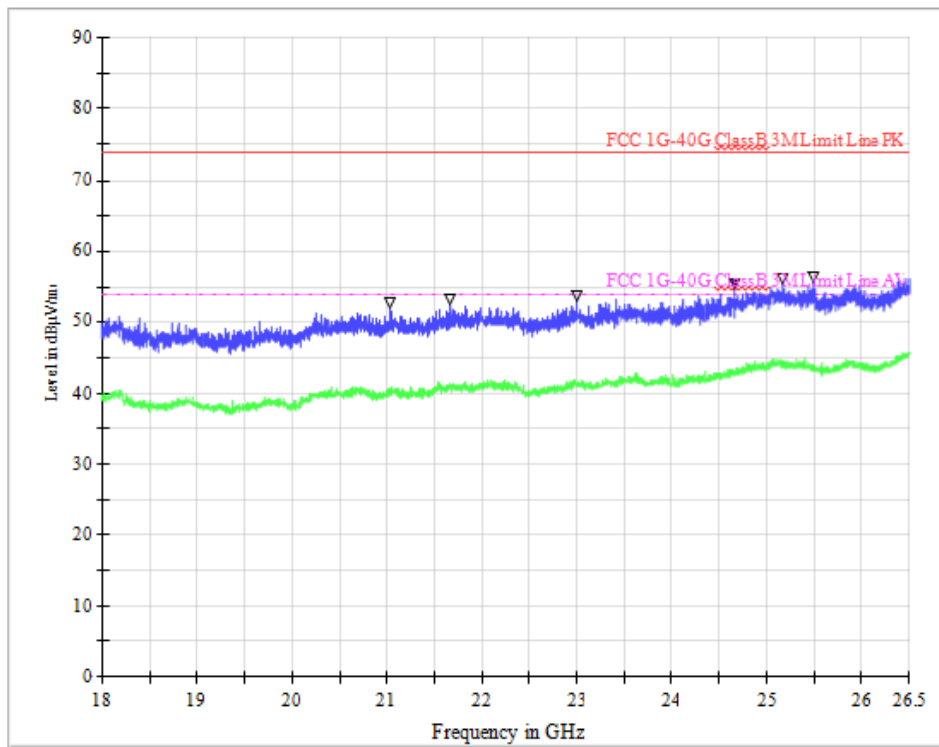
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 31373              | 44.4             | 73.9                   | 29.5                       | 0.0                            | 100.0                  | H        |
| 32788              | 42.8             | 73.9                   | 31.1                       | 0.0                            | 100.0                  | H        |
| 33834              | 43.9             | 73.9                   | 30.0                       | 0.0                            | 100.0                  | H        |
| 37182              | 44.3             | 73.9                   | 29.6                       | 0.0                            | 100.0                  | H        |
| 38849              | 47.6             | 73.9                   | 26.3                       | 0.0                            | 100.0                  | H        |
| 39588              | 48.7             | 73.9                   | 25.2                       | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 31373              | 31.7                    | 54.0                            | 22.3                                | 0.0                         | 100.0                  | H        |
| 32788              | 30.2                    | 54.0                            | 23.8                                | 0.0                         | 100.0                  | H        |
| 33834              | 31.3                    | 54.0                            | 22.7                                | 0.0                         | 100.0                  | H        |
| 37182              | 32.1                    | 54.0                            | 21.9                                | 0.0                         | 100.0                  | H        |
| 38849              | 35.3                    | 54.0                            | 18.7                                | 0.0                         | 100.0                  | H        |
| 39588              | 35.8                    | 54.0                            | 18.2                                | 0.0                         | 100.0                  | H        |

**NOTE:**

The minimum margin value is over 4dB.





**-Vertical**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 76.80              | 22.6                  | 120                | 200                       | V        | 112                            | -21.6         | 17.4               | 40.0              |
| 91.60              | 29.4                  | 120                | 200                       | V        | 253                            | -17.4         | 14.1               | 43.5              |
| 100.56             | 26.8                  | 120                | 200                       | V        | 65                             | -16.4         | 16.7               | 43.5              |
| 209.92             | 29.4                  | 120                | 200                       | V        | 88                             | -17.1         | 14.1               | 43.5              |
| 253.84             | 37.5                  | 120                | 200                       | V        | 96                             | -15.1         | 8.5                | 46.0              |
| 389.40             | 35.3                  | 120                | 200                       | V        | 221                            | -11.8         | 10.7               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 6254.85            | 43.30            | 73.9                   | 30.6                       | 0.0                            | 100.0                  | V        |
| 7358.41            | 42.10            | 73.9                   | 31.8                       | 0.0                            | 100.0                  | V        |
| 8451.41            | 44.82            | 73.9                   | 29.08                      | 0.0                            | 100.0                  | V        |
| 11308.24           | 43.28            | 73.9                   | 30.62                      | 0.0                            | 100.0                  | V        |
| 15575.15           | 44.93            | 73.9                   | 28.97                      | 0.0                            | 100.0                  | V        |
| 16286.21           | 45.90            | 73.9                   | 28.0                       | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 6254.85            | 29.50             | 54.0                      | 24.50                         | 0.0                         | 100.0                  | V        |
| 7358.41            | 29.42             | 54.0                      | 24.58                         | 0.0                         | 100.0                  | V        |
| 8451.41            | 29.82             | 54.0                      | 24.18                         | 0.0                         | 100.0                  | V        |
| 11308.24           | 30.11             | 54.0                      | 23.89                         | 0.0                         | 100.0                  | V        |
| 15575.15           | 32.52             | 54.0                      | 21.48                         | 0.0                         | 100.0                  | V        |
| 16286.21           | 30.50             | 54.0                      | 23.50                         | 0.0                         | 100.0                  | V        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 20745              | 44.1             | 73.9                   | 29.8                       | 0.0                            | 100.0                  | V        |
| 21687              | 44.7             | 73.9                   | 29.2                       | 0.0                            | 100.0                  | V        |
| 22231              | 44.2             | 73.9                   | 29.7                       | 0.0                            | 100.0                  | V        |
| 24883              | 46.8             | 73.9                   | 27.1                       | 0.0                            | 100.0                  | V        |
| 25293              | 46.2             | 73.9                   | 27.7                       | 0.0                            | 100.0                  | V        |
| 26419              | 48.6             | 73.9                   | 25.3                       | 0.0                            | 100.0                  | V        |

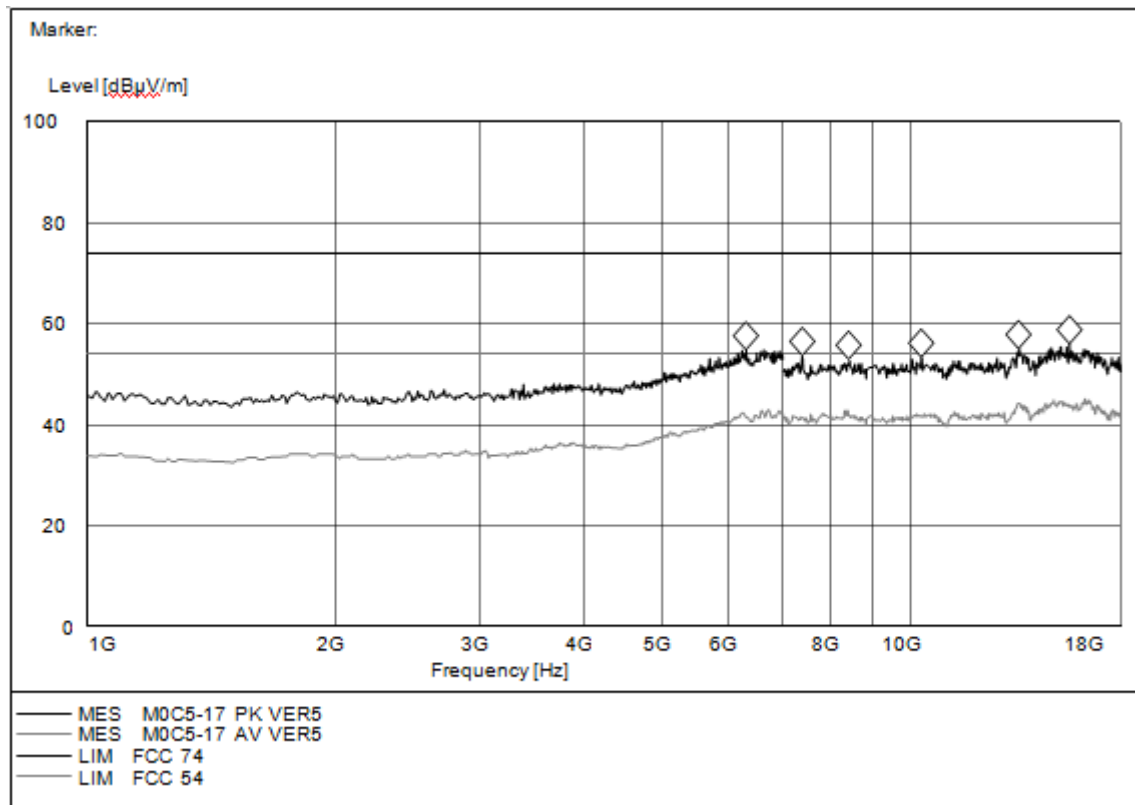
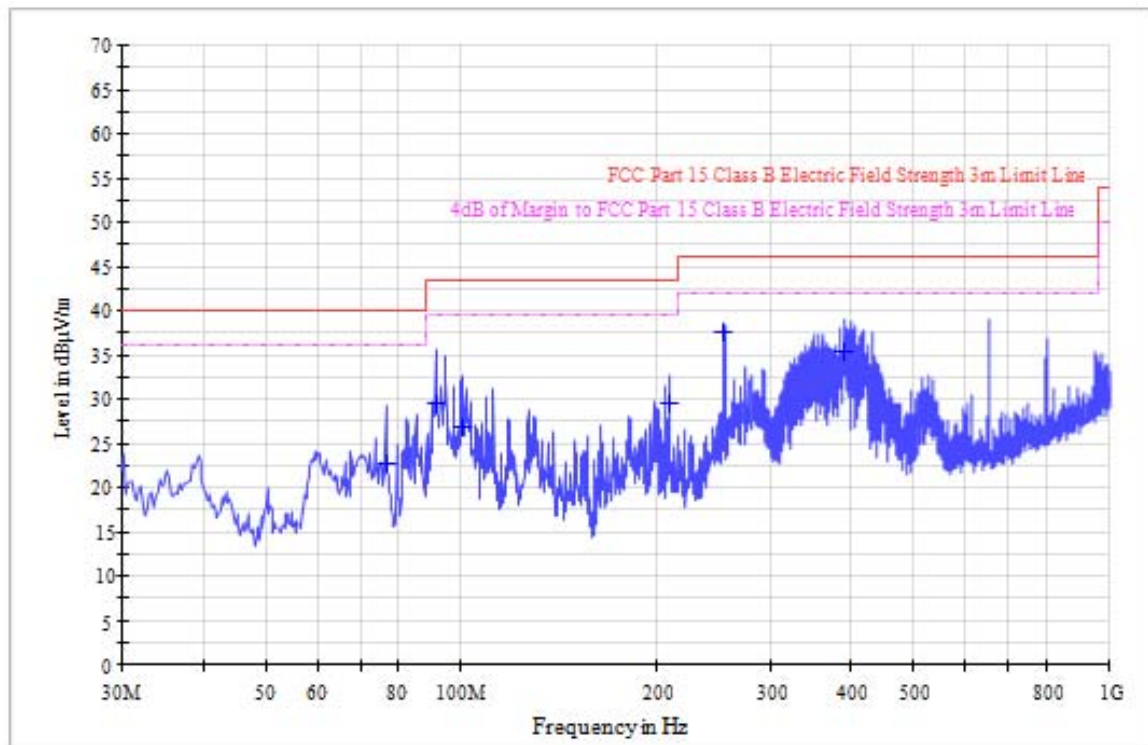
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 20745              | 31.6              | 54.0                      | 22.4                          | 0.0                         | 100.0                  | V        |
| 21687              | 32.1              | 54.0                      | 21.9                          | 0.0                         | 100.0                  | V        |
| 22231              | 31.6              | 54.0                      | 22.4                          | 0.0                         | 100.0                  | V        |
| 24883              | 34.0              | 54.0                      | 20.0                          | 0.0                         | 100.0                  | V        |
| 25293              | 34.3              | 54.0                      | 19.7                          | 0.0                         | 100.0                  | V        |
| 26419              | 35.8              | 54.0                      | 18.2                          | 0.0                         | 100.0                  | V        |

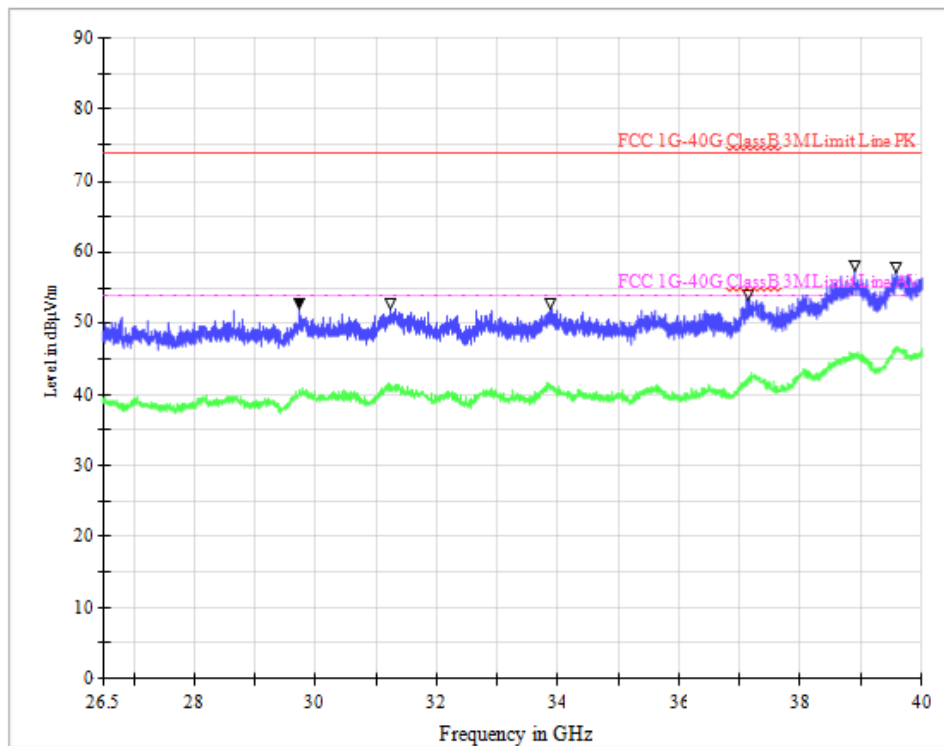
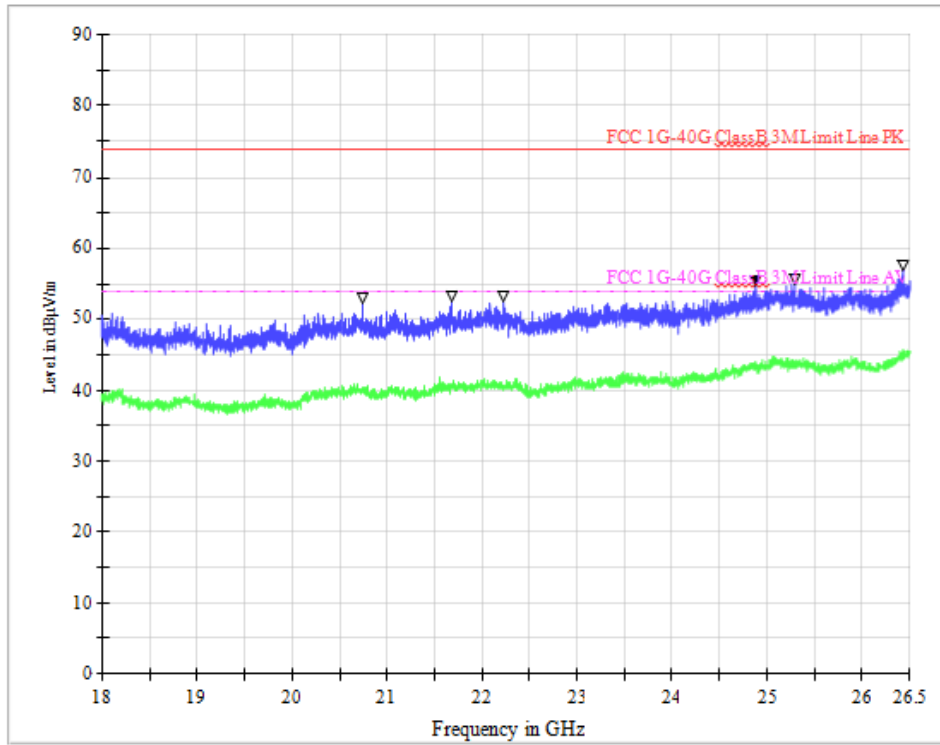
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 29737              | 44.2             | 73.9                   | 29.7                       | 0.0                            | 100.0                  | V        |
| 31242              | 44.0             | 73.9                   | 29.9                       | 0.0                            | 100.0                  | V        |
| 33874              | 44.8             | 73.9                   | 29.1                       | 0.0                            | 100.0                  | V        |
| 37128              | 44.4             | 73.9                   | 29.5                       | 0.0                            | 100.0                  | V        |
| 38883              | 47.8             | 73.9                   | 26.1                       | 0.0                            | 100.0                  | V        |
| 39585              | 49.1             | 73.9                   | 24.8                       | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 29737              | 31.8                    | 54.0                            | 22.2                                | 0.0                         | 100.0                  | V        |
| 31242              | 31.8                    | 54.0                            | 22.2                                | 0.0                         | 100.0                  | V        |
| 33874              | 31.9                    | 54.0                            | 22.1                                | 0.0                         | 100.0                  | V        |
| 37128              | 31.6                    | 54.0                            | 22.4                                | 0.0                         | 100.0                  | V        |
| 38883              | 35.3                    | 54.0                            | 18.7                                | 0.0                         | 100.0                  | V        |
| 39585              | 35.9                    | 54.0                            | 18.1                                | 0.0                         | 100.0                  | V        |

**NOTE:**

The minimum margin value is over 4dB.





**6. Radiated Emission Test data (FX TX Mode)****-Horizontal**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 100.56             | 26.4                  | 120                | 100                       | H        | 65                             | -16.4         | 17.1               | 43.5              |
| 165.56             | 25.1                  | 120                | 100                       | H        | 95                             | -19.5         | 18.4               | 43.5              |
| 225.68             | 27.9                  | 120                | 100                       | H        | 269                            | -16           | 18.1               | 46.0              |
| 253.88             | 37.1                  | 120                | 200                       | H        | 253                            | -15.1         | 8.9                | 46.0              |
| 255.24             | 41.9                  | 120                | 100                       | H        | 319                            | -15.2         | 4.1                | 46.0              |
| 340.64             | 31.3                  | 120                | 100                       | H        | 320                            | -12.5         | 14.7               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 5185.24            | 42.86            | 73.9                   | 31.04                      | 0.0                            | 100.0                  | H        |
| 6142.56            | 44.56            | 73.9                   | 29.34                      | 0.0                            | 100.0                  | H        |
| 6954.85            | 44.21            | 73.9                   | 29.69                      | 0.0                            | 100.0                  | H        |
| 8096.25            | 43.25            | 73.9                   | 30.65                      | 0.0                            | 100.0                  | H        |
| 16853.71           | 44.98            | 73.9                   | 28.92                      | 0.0                            | 100.0                  | H        |
| 17532.49           | 45.62            | 73.9                   | 28.28                      | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 5185.24            | 28.32             | 54.0                      | 25.68                         | 0.0                         | 100.0                  | H        |
| 6142.56            | 29.62             | 54.0                      | 24.38                         | 0.0                         | 100.0                  | H        |
| 6954.85            | 29.25             | 54.0                      | 24.75                         | 0.0                         | 100.0                  | H        |
| 8096.25            | 29.10             | 54.0                      | 24.9                          | 0.0                         | 100.0                  | H        |
| 16853.71           | 30.00             | 54.0                      | 24.0                          | 0.0                         | 100.0                  | H        |
| 17532.49           | 31.20             | 54.0                      | 22.8                          | 0.0                         | 100.0                  | H        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 21661              | 44.7             | 73.9                   | 29.2                       | 0.0                            | 100.0                  | H        |
| 22303              | 44.5             | 73.9                   | 29.4                       | 0.0                            | 100.0                  | H        |
| 23557              | 45.2             | 73.9                   | 28.7                       | 0.0                            | 100.0                  | H        |
| 24730              | 47.1             | 73.9                   | 26.8                       | 0.0                            | 100.0                  | H        |
| 25055              | 46.6             | 73.9                   | 27.3                       | 0.0                            | 100.0                  | H        |
| 25461              | 47.0             | 73.9                   | 26.9                       | 0.0                            | 100.0                  | H        |

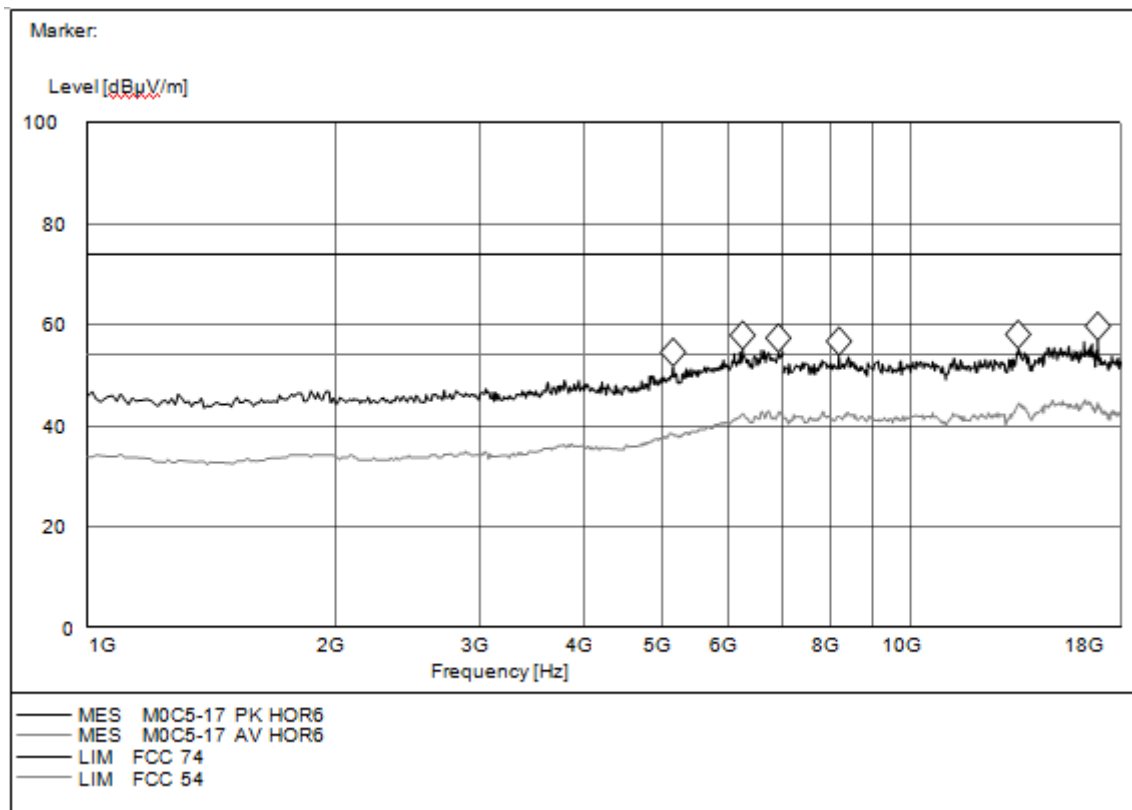
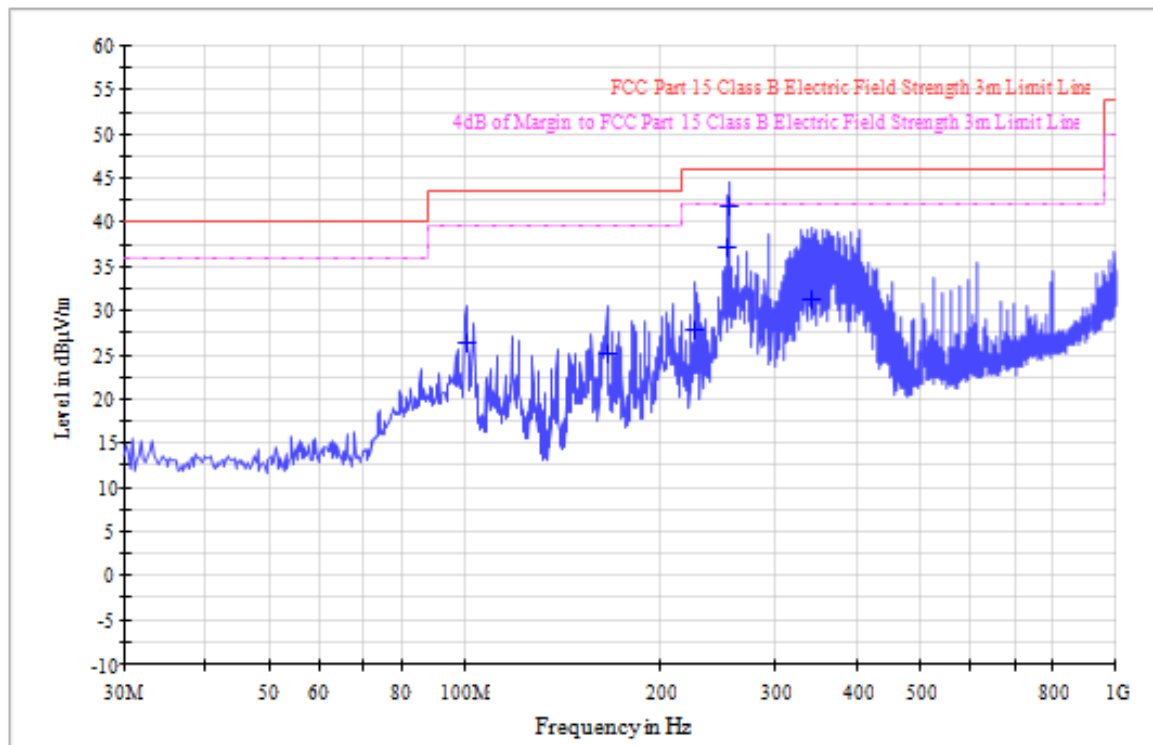
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 21661              | 32.1              | 54.0                      | 21.9                          | 0.0                         | 100.0                  | H        |
| 22303              | 31.6              | 54.0                      | 22.4                          | 0.0                         | 100.0                  | H        |
| 23557              | 32.4              | 54.0                      | 21.6                          | 0.0                         | 100.0                  | H        |
| 24730              | 33.7              | 54.0                      | 20.3                          | 0.0                         | 100.0                  | H        |
| 25055              | 34.4              | 54.0                      | 19.6                          | 0.0                         | 100.0                  | H        |
| 25461              | 34.0              | 54.0                      | 20.0                          | 0.0                         | 100.0                  | H        |

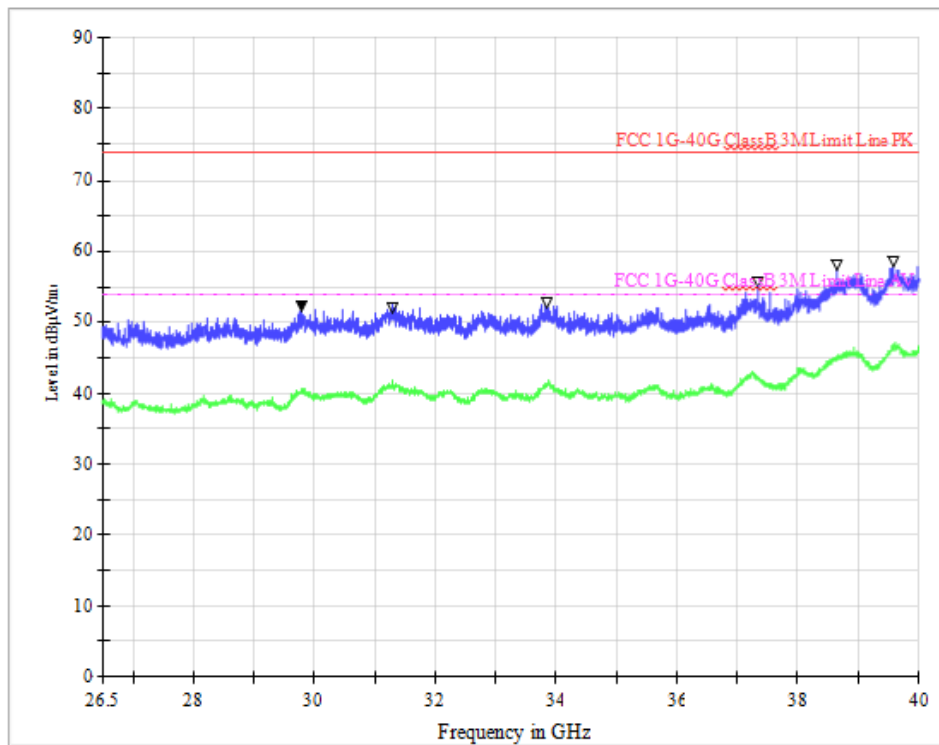
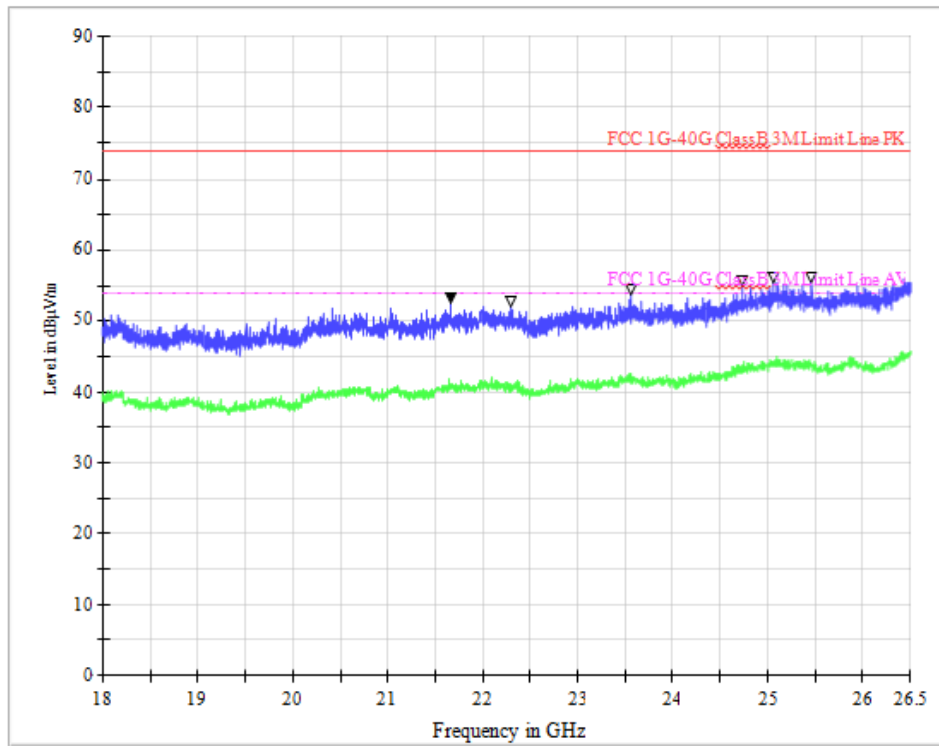
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 29784              | 42.3             | 73.9                   | 31.6                       | 0.0                            | 100.0                  | H        |
| 31299              | 42.8             | 73.9                   | 31.1                       | 0.0                            | 100.0                  | H        |
| 33851              | 44.1             | 73.9                   | 29.8                       | 0.0                            | 100.0                  | H        |
| 37330              | 43.7             | 73.9                   | 30.2                       | 0.0                            | 100.0                  | H        |
| 38636              | 46.6             | 73.9                   | 27.3                       | 0.0                            | 100.0                  | H        |
| 39565              | 47.7             | 73.9                   | 26.2                       | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 29784              | 29.5                    | 54.0                            | 24.5                                | 0.0                         | 100.0                  | H        |
| 31299              | 30.3                    | 54.0                            | 23.7                                | 0.0                         | 100.0                  | H        |
| 33851              | 30.5                    | 54.0                            | 23.5                                | 0.0                         | 100.0                  | H        |
| 37330              | 31.5                    | 54.0                            | 22.5                                | 0.0                         | 100.0                  | H        |
| 38636              | 34.3                    | 54.0                            | 19.7                                | 0.0                         | 100.0                  | H        |
| 39565              | 35.7                    | 54.0                            | 18.3                                | 0.0                         | 100.0                  | H        |

**NOTE:**

The minimum margin value is over 4dB.





**-Vertical**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 35.84              | 26.4                  | 120                | 100                       | V        | 125                            | -17.6         | 13.6               | 40.0              |
| 82.64              | 30.3                  | 120                | 100                       | V        | 225                            | -20.2         | 9.7                | 40.0              |
| 92.08              | 27.6                  | 120                | 100                       | V        | 324                            | -17.3         | 15.9               | 43.5              |
| 181.80             | 26.8                  | 120                | 100                       | V        | 102                            | -18.2         | 16.7               | 43.5              |
| 254.56             | 41.6                  | 120                | 200                       | V        | 56                             | -15.1         | 4.4                | 46.0              |
| 400.8              | 33.5                  | 120                | 200                       | V        | 221                            | -11.2         | 12.5               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 3051.46            | 41.32            | 73.9                   | 32.58                      | 0.0                            | 100.0                  | V        |
| 6251.02            | 45.00            | 73.9                   | 28.90                      | 0.0                            | 100.0                  | V        |
| 6984.22            | 45.12            | 73.9                   | 28.78                      | 0.0                            | 100.0                  | V        |
| 9015.63            | 46.17            | 73.9                   | 27.73                      | 0.0                            | 100.0                  | V        |
| 14258.46           | 45.56            | 73.9                   | 28.34                      | 0.0                            | 100.0                  | V        |
| 16324.65           | 46.21            | 73.9                   | 27.69                      | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 3051.46            | 27.21             | 54.0                      | 26.79                         | 0.0                         | 100.0                  | V        |
| 6251.02            | 28.52             | 54.0                      | 25.48                         | 0.0                         | 100.0                  | V        |
| 6984.22            | 29.25             | 54.0                      | 24.75                         | 0.0                         | 100.0                  | V        |
| 9015.63            | 29.40             | 54.0                      | 24.6                          | 0.0                         | 100.0                  | V        |
| 14258.46           | 30.75             | 54.0                      | 23.25                         | 0.0                         | 100.0                  | V        |
| 16324.65           | 31.50             | 54.0                      | 22.5                          | 0.0                         | 100.0                  | V        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 21523              | 44.8             | 73.9                   | 29.1                       | 0.0                            | 100.0                  | V        |
| 22938              | 44.3             | 73.9                   | 29.6                       | 0.0                            | 100.0                  | V        |
| 23502              | 45.8             | 73.9                   | 28.1                       | 0.0                            | 100.0                  | V        |
| 24849              | 46.4             | 73.9                   | 27.5                       | 0.0                            | 100.0                  | V        |
| 25389              | 46.5             | 73.9                   | 27.4                       | 0.0                            | 100.0                  | V        |
| 25911              | 47.4             | 73.9                   | 26.5                       | 0.0                            | 100.0                  | V        |

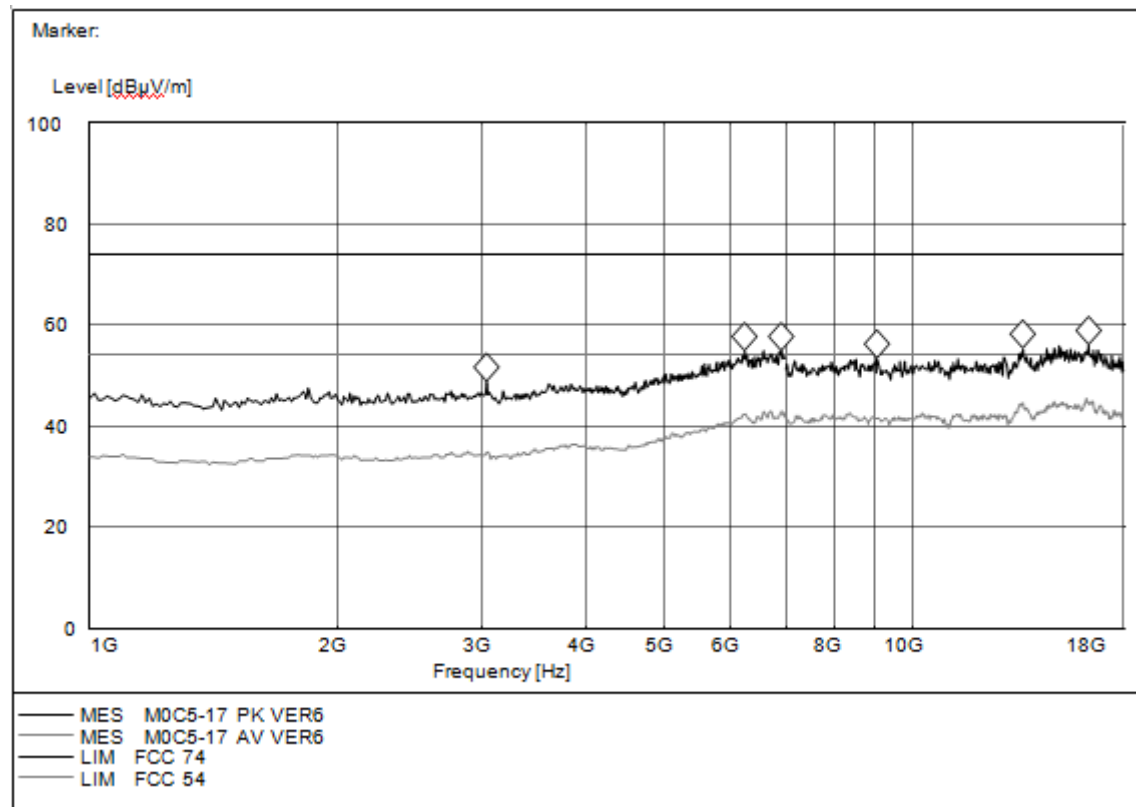
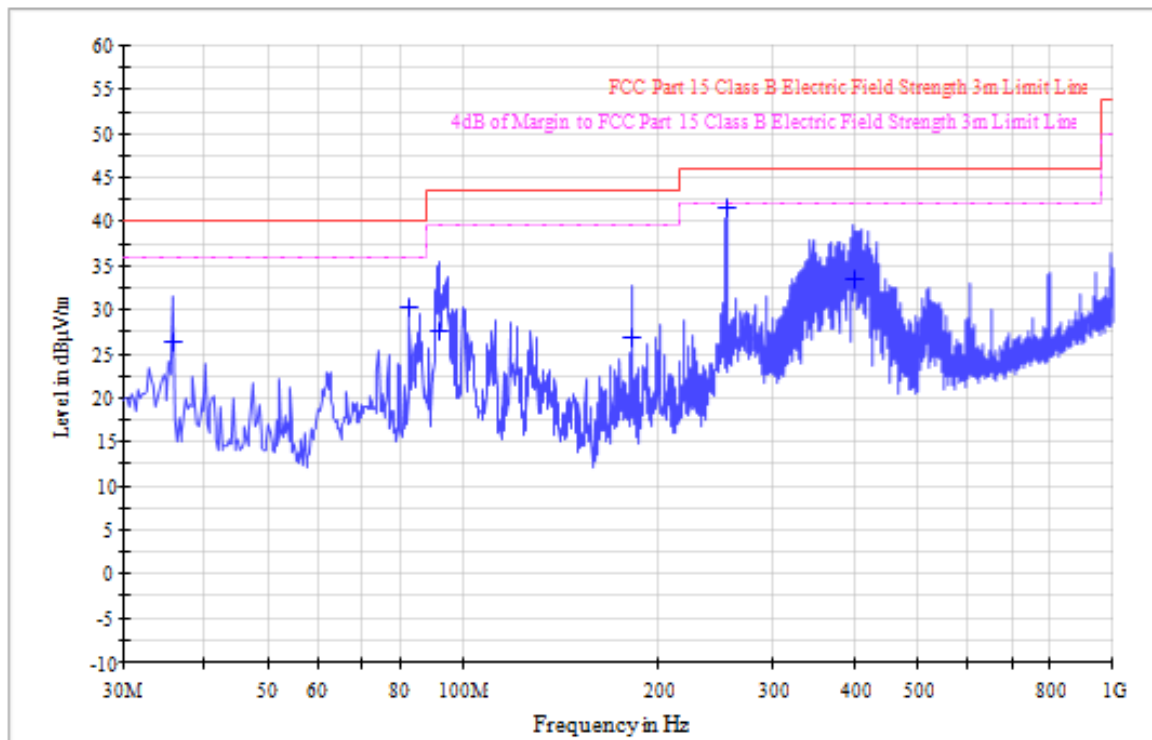
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 21523              | 31.8              | 54.0                      | 22.2                          | 0.0                         | 100.0                  | V        |
| 22938              | 31.8              | 54.0                      | 22.2                          | 0.0                         | 100.0                  | V        |
| 23502              | 32.4              | 54.0                      | 21.6                          | 0.0                         | 100.0                  | V        |
| 24849              | 33.9              | 54.0                      | 20.1                          | 0.0                         | 100.0                  | V        |
| 25389              | 34.2              | 54.0                      | 19.8                          | 0.0                         | 100.0                  | V        |
| 25911              | 34.7              | 54.0                      | 19.3                          | 0.0                         | 100.0                  | V        |

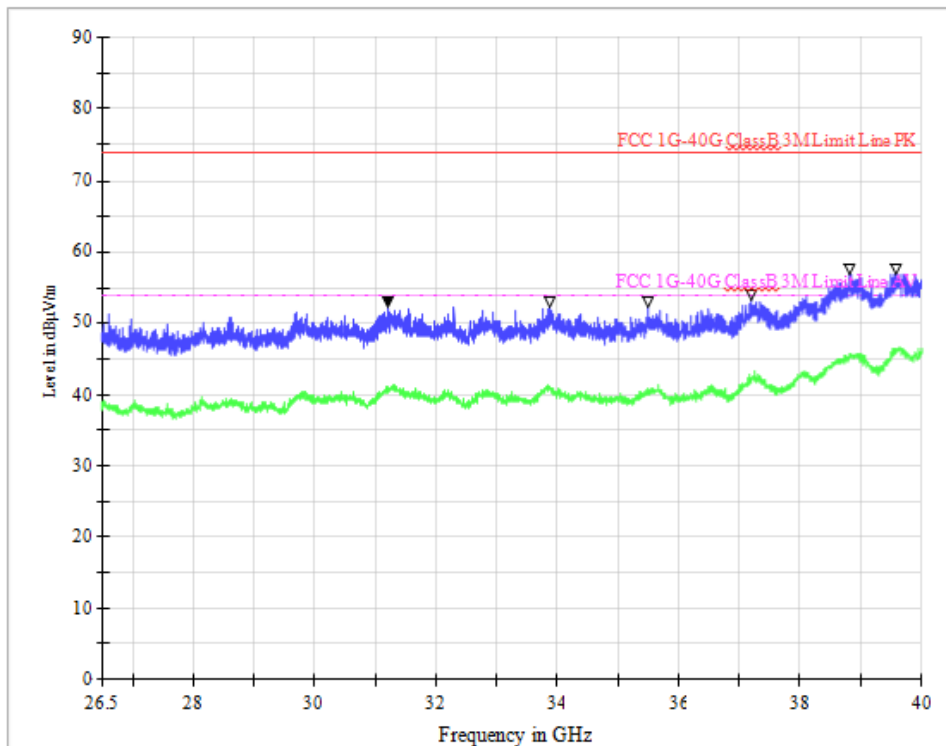
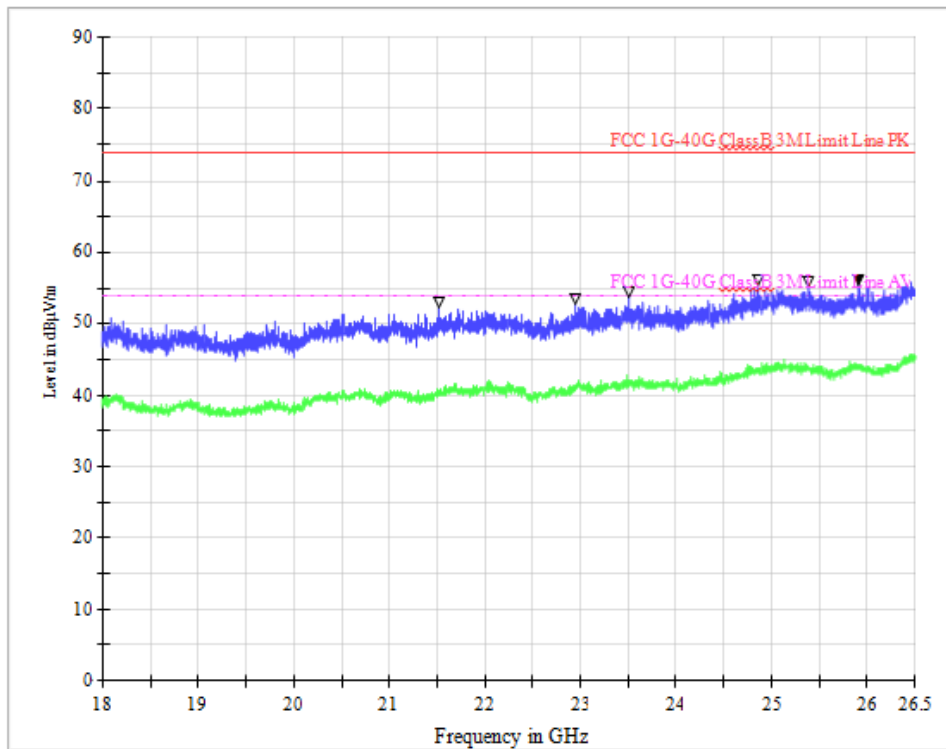
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 31222              | 42.6             | 73.9                   | 31.3                       | 0.0                            | 100.0                  | V        |
| 33864              | 44.1             | 73.9                   | 29.8                       | 0.0                            | 100.0                  | V        |
| 35501              | 42.7             | 73.9                   | 31.2                       | 0.0                            | 100.0                  | V        |
| 37202              | 45.2             | 73.9                   | 28.7                       | 0.0                            | 100.0                  | V        |
| 38822              | 47.7             | 73.9                   | 26.2                       | 0.0                            | 100.0                  | V        |
| 39581              | 47.9             | 73.9                   | 26.0                       | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 31222              | 30.2                    | 54.0                            | 23.8                                | 0.0                         | 100.0                  | V        |
| 33864              | 30.6                    | 54.0                            | 23.4                                | 0.0                         | 100.0                  | V        |
| 35501              | 29.8                    | 54.0                            | 24.2                                | 0.0                         | 100.0                  | V        |
| 37202              | 31.8                    | 54.0                            | 22.2                                | 0.0                         | 100.0                  | V        |
| 38822              | 35.0                    | 54.0                            | 19.0                                | 0.0                         | 100.0                  | V        |
| 39581              | 35.8                    | 54.0                            | 18.2                                | 0.0                         | 100.0                  | V        |

**NOTE:**

The minimum margin value is over 4dB.





**7. Radiated Emission Test data (RX TX Mode)****-Horizontal**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 100.56             | 24.2                  | 120                | 100                       | H        | 65                             | -16.4         | 19.3               | 43.5              |
| 161.35             | 24.1                  | 120                | 100                       | H        | 95                             | -19.5         | 19.4               | 43.5              |
| 220.78             | 25.9                  | 120                | 100                       | H        | 269                            | -16           | 20.1               | 46.0              |
| 254.56             | 44.5                  | 120                | 200                       | H        | 253                            | -15.1         | 1.5                | 46.0              |
| 256.24             | 33.5                  | 120                | 100                       | H        | 319                            | -15.2         | 12.5               | 46.0              |
| 360.57             | 33.2                  | 120                | 100                       | H        | 320                            | -12.5         | 12.8               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 4586.35            | 42.82            | 73.9                   | 31.08                      | 0.0                            | 100.0                  | H        |
| 6903.81            | 46.12            | 73.9                   | 27.78                      | 0.0                            | 100.0                  | H        |
| 8354.51            | 42.82            | 73.9                   | 31.08                      | 0.0                            | 100.0                  | H        |
| 11580.54           | 45.60            | 73.9                   | 28.30                      | 0.0                            | 100.0                  | H        |
| 15254.75           | 46.68            | 73.9                   | 27.22                      | 0.0                            | 100.0                  | H        |
| 16845.62           | 45.42            | 73.9                   | 28.48                      | 0.0                            | 100.0                  | H        |

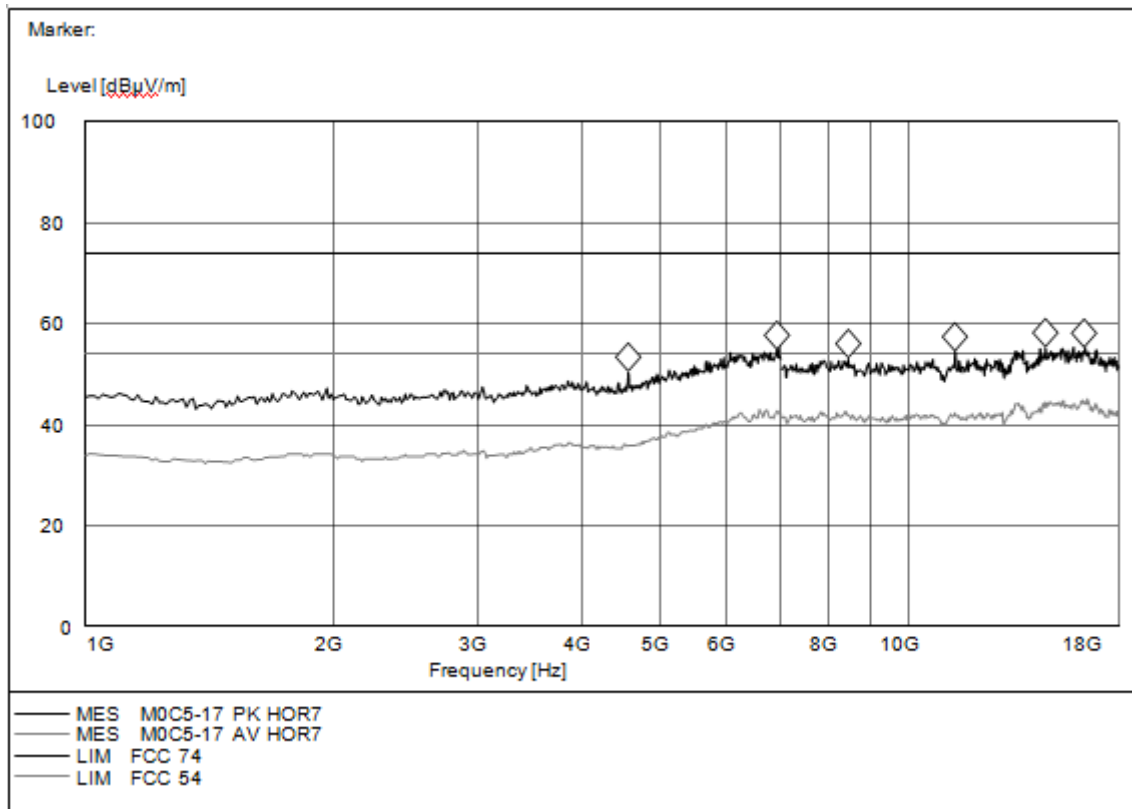
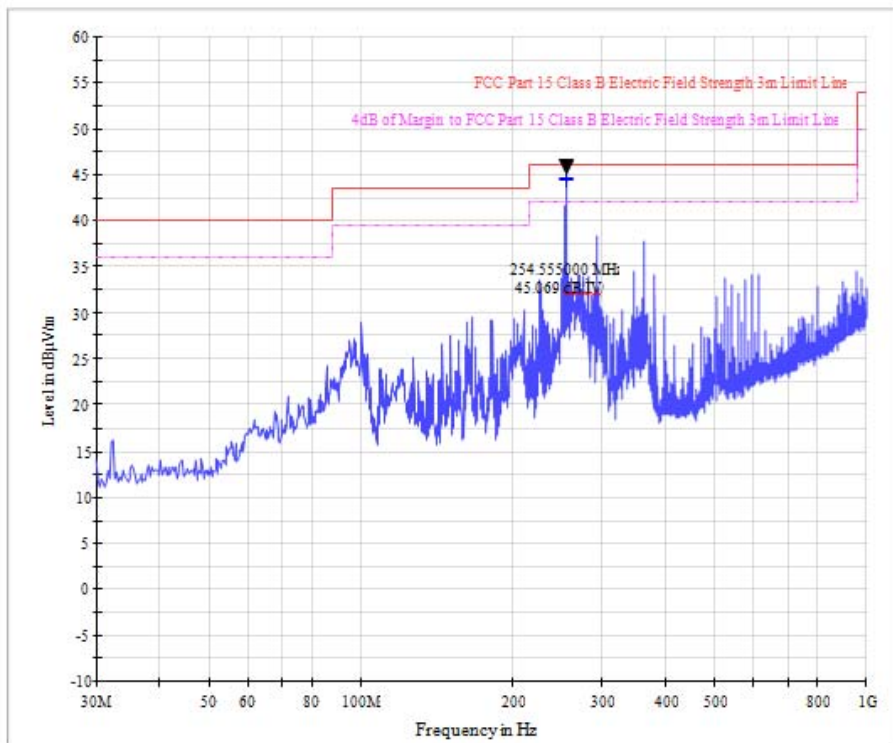
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 4586.35            | 28.30             | 54.0                      | 25.70                         | 0.0                         | 100.0                  | H        |
| 6903.81            | 30.10             | 54.0                      | 23.90                         | 0.0                         | 100.0                  | H        |
| 8354.51            | 28.20             | 54.0                      | 25.80                         | 0.0                         | 100.0                  | H        |
| 11580.54           | 31.12             | 54.0                      | 22.88                         | 0.0                         | 100.0                  | H        |
| 15254.75           | 32.25             | 54.0                      | 21.75                         | 0.0                         | 100.0                  | H        |
| 16845.62           | 29.80             | 54.0                      | 24.20                         | 0.0                         | 100.0                  | H        |

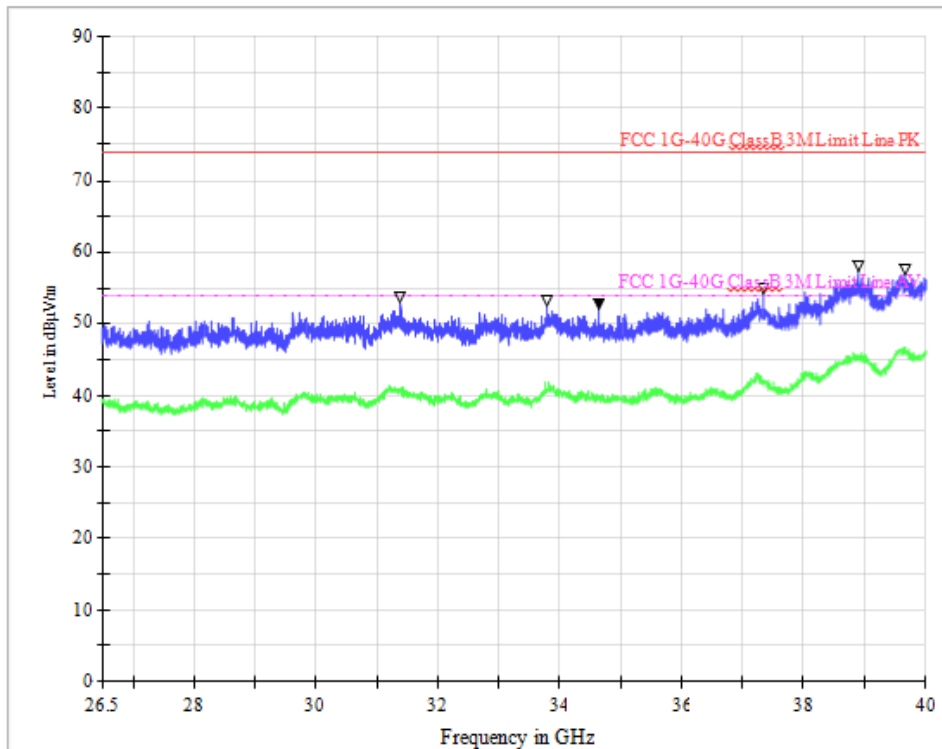
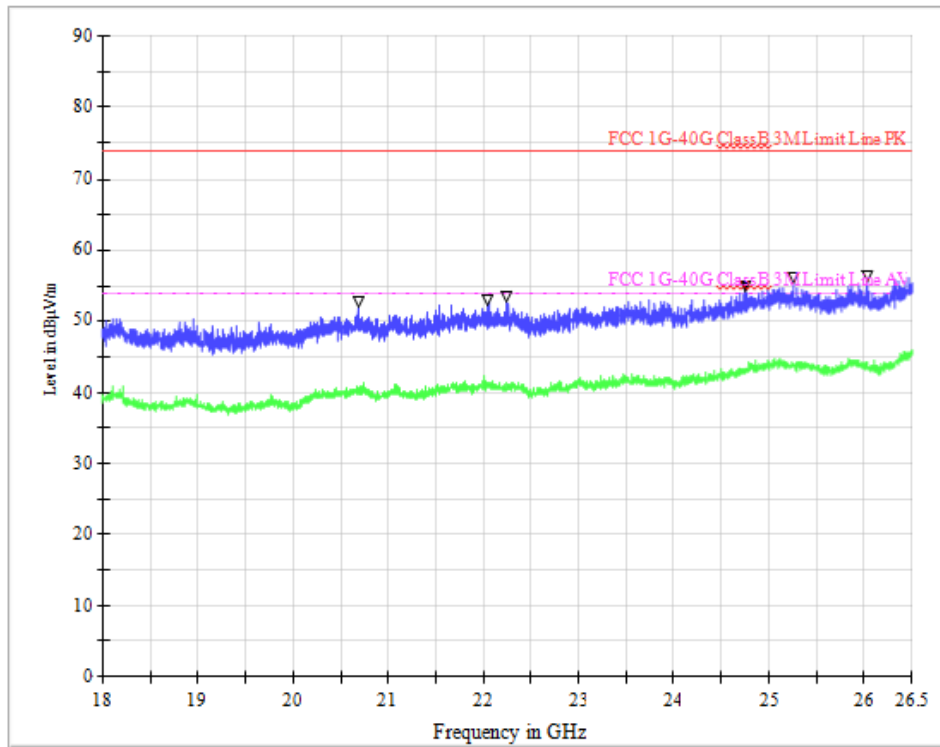
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 20682              | 43.8             | 73.9                   | 30.1                       | 0.0                            | 100.0                  | H        |
| 22048              | 44.4             | 73.9                   | 29.5                       | 0.0                            | 100.0                  | H        |
| 22237              | 43.9             | 73.9                   | 30.0                       | 0.0                            | 100.0                  | H        |
| 24740              | 46.0             | 73.9                   | 27.9                       | 0.0                            | 100.0                  | H        |
| 25253              | 46.6             | 73.9                   | 27.3                       | 0.0                            | 100.0                  | H        |
| 26022              | 46.9             | 73.9                   | 27.0                       | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 20682              | 31.5              | 54.0                      | 22.5                          | 0.0                         | 100.0                  | H        |
| 22048              | 32.0              | 54.0                      | 22.0                          | 0.0                         | 100.0                  | H        |
| 22237              | 31.7              | 54.0                      | 22.3                          | 0.0                         | 100.0                  | H        |
| 24740              | 33.7              | 54.0                      | 20.3                          | 0.0                         | 100.0                  | H        |
| 25253              | 34.2              | 54.0                      | 19.8                          | 0.0                         | 100.0                  | H        |
| 26022              | 34.4              | 54.0                      | 19.6                          | 0.0                         | 100.0                  | H        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 31390              | 44               | 73.9                   | 29.9                       | 0.0                            | 100.0                  | H        |
| 33793              | 44.4             | 73.9                   | 29.5                       | 0.0                            | 100.0                  | H        |
| 34630              | 44.5             | 73.9                   | 29.4                       | 0.0                            | 100.0                  | H        |
| 37337              | 44.3             | 73.9                   | 29.6                       | 0.0                            | 100.0                  | H        |
| 38883              | 47.7             | 73.9                   | 26.2                       | 0.0                            | 100.0                  | H        |
| 39646              | 48.5             | 73.9                   | 25.4                       | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 31390              | 31.6                    | 54.0                            | 22.4                                | 0.0                         | 100.0                  | H        |
| 33793              | 31.6                    | 54.0                            | 22.4                                | 0.0                         | 100.0                  | H        |
| 34630              | 32.1                    | 54.0                            | 21.9                                | 0.0                         | 100.0                  | H        |
| 37337              | 32.1                    | 54.0                            | 21.9                                | 0.0                         | 100.0                  | H        |
| 38883              | 35.2                    | 54.0                            | 18.8                                | 0.0                         | 100.0                  | H        |
| 39646              | 35.9                    | 54.0                            | 18.1                                | 0.0                         | 100.0                  | H        |





**-Vertical**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 35.32              | 20.1                  | 120                | 100                       | V        | 85                             | -17.8         | 19.9               | 40.0              |
| 61.52              | 23.5                  | 120                | 100                       | V        | 53                             | -17.8         | 16.5               | 40.0              |
| 94.52              | 33.2                  | 120                | 100                       | V        | 26                             | -16.8         | 10.3               | 43.5              |
| 255.28             | 34.2                  | 120                | 100                       | V        | 112                            | -15.2         | 11.8               | 46.0              |
| 349.12             | 32.4                  | 120                | 100                       | V        | 220                            | -12.5         | 13.6               | 46.0              |
| 404.68             | 36.9                  | 120                | 100                       | V        | 345                            | -11.2         | 9.1                | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 2458.62            | 41.11            | 73.9                   | 32.79                      | 0.0                            | 100.0                  | V        |
| 6912.52            | 45.05            | 73.9                   | 28.85                      | 0.0                            | 100.0                  | V        |
| 10862.41           | 44.12            | 73.9                   | 29.78                      | 0.0                            | 100.0                  | V        |
| 12258.15           | 44.88            | 73.9                   | 29.02                      | 0.0                            | 100.0                  | V        |
| 14821.08           | 45.52            | 73.9                   | 28.38                      | 0.0                            | 100.0                  | V        |
| 16214.43           | 45.88            | 73.9                   | 28.02                      | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 2458.62            | 28.58             | 54.0                      | 25.42                         | 0.0                         | 100.0                  | V        |
| 6912.52            | 31.52             | 54.0                      | 22.48                         | 0.0                         | 100.0                  | V        |
| 10862.41           | 31.82             | 54.0                      | 22.18                         | 0.0                         | 100.0                  | V        |
| 12258.15           | 31.45             | 54.0                      | 22.55                         | 0.0                         | 100.0                  | V        |
| 14821.08           | 30.70             | 54.0                      | 23.30                         | 0.0                         | 100.0                  | V        |
| 16214.43           | 33.51             | 54.0                      | 20.49                         | 0.0                         | 100.0                  | V        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 22286              | 44.1             | 73.9                   | 29.8                       | 0.0                            | 100.0                  | V        |
| 23491              | 44.9             | 73.9                   | 29.0                       | 0.0                            | 100.0                  | V        |
| 24460              | 45.2             | 73.9                   | 28.7                       | 0.0                            | 100.0                  | V        |
| 25093              | 47.2             | 73.9                   | 26.7                       | 0.0                            | 100.0                  | V        |
| 25854              | 47.8             | 73.9                   | 26.1                       | 0.0                            | 100.0                  | V        |
| 26491              | 48.4             | 73.9                   | 25.5                       | 0.0                            | 100.0                  | V        |

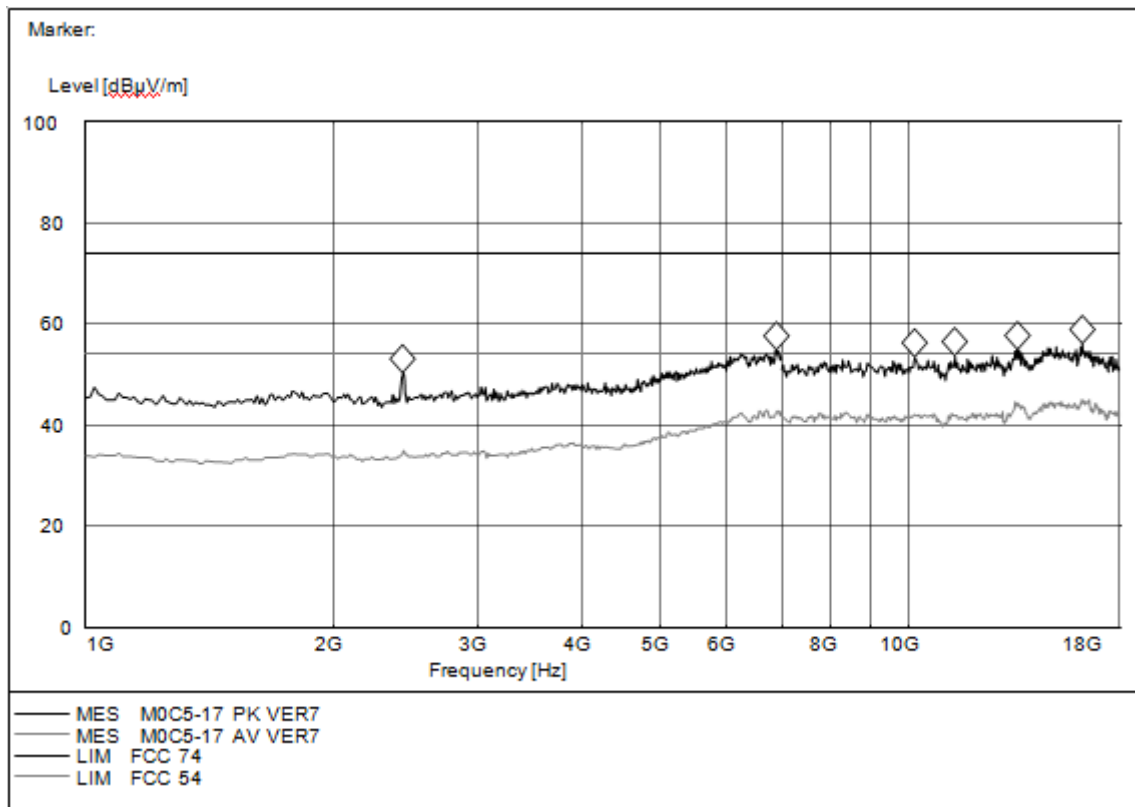
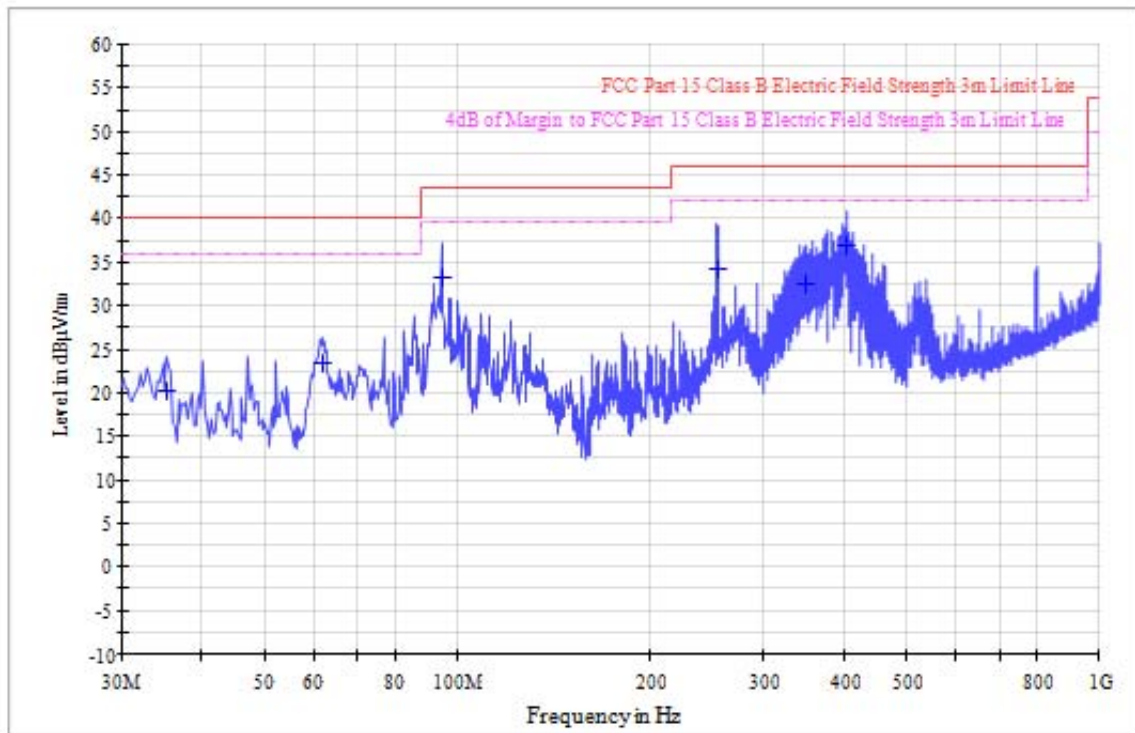
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 22286              | 31.7              | 54.0                      | 22.3                          | 0.0                         | 100.0                  | V        |
| 23491              | 32.4              | 54.0                      | 21.6                          | 0.0                         | 100.0                  | V        |
| 24460              | 33.1              | 54.0                      | 20.9                          | 0.0                         | 100.0                  | V        |
| 25093              | 34.6              | 54.0                      | 19.4                          | 0.0                         | 100.0                  | V        |
| 25854              | 34.8              | 54.0                      | 19.2                          | 0.0                         | 100.0                  | V        |
| 26491              | 35.8              | 54.0                      | 18.2                          | 0.0                         | 100.0                  | V        |

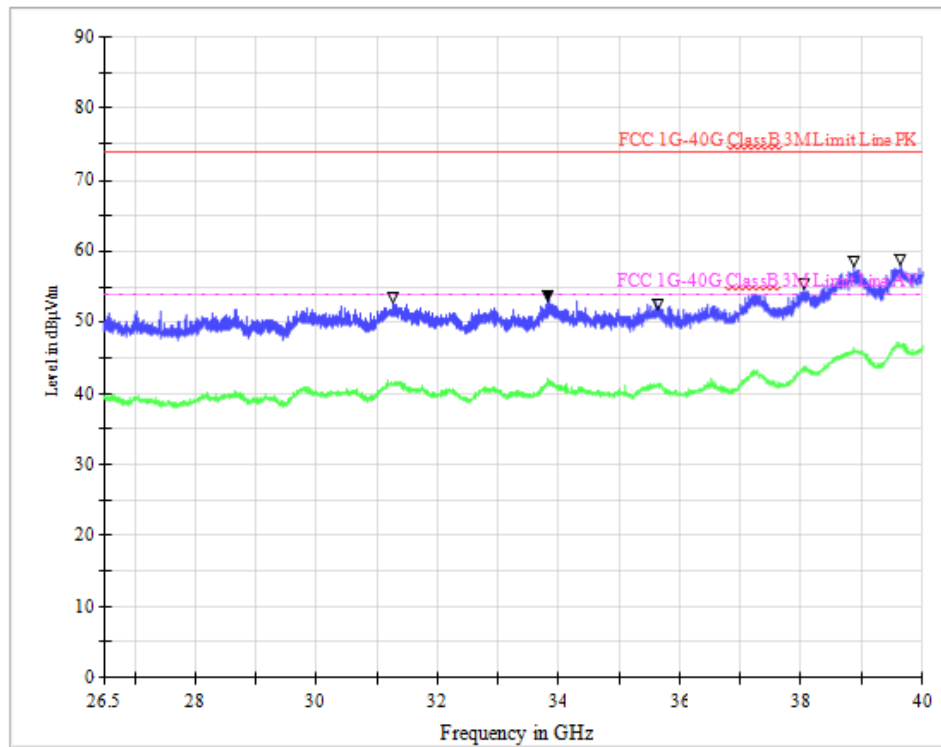
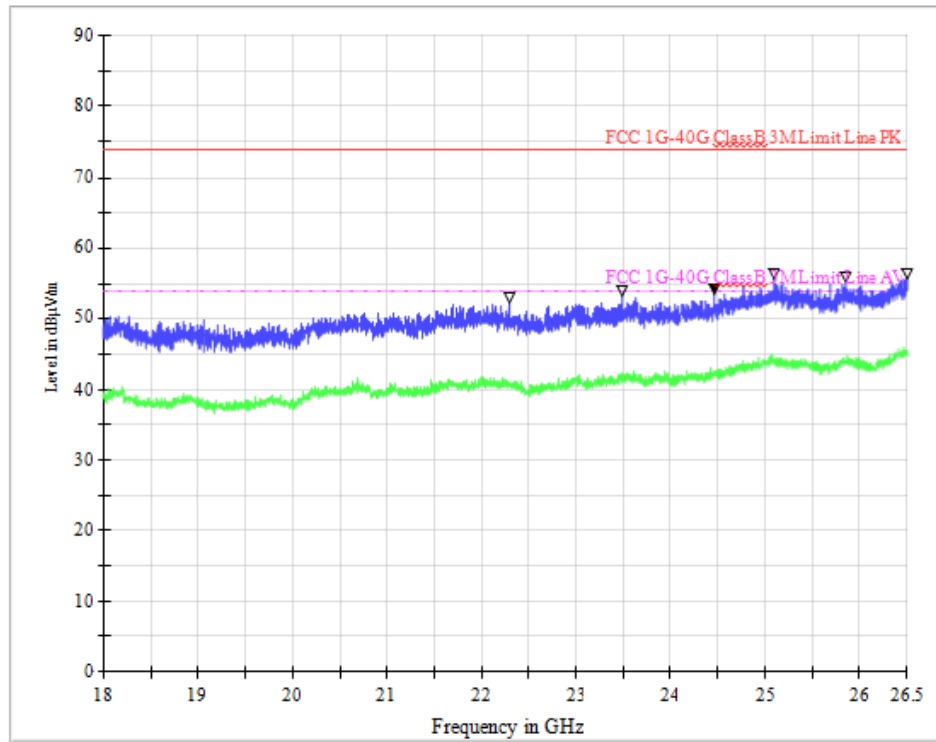
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 31272              | 43.6             | 73.9                   | 30.3                       | 0.0                            | 100.0                  | V        |
| 33827              | 45.4             | 73.9                   | 28.5                       | 0.0                            | 100.0                  | V        |
| 35643              | 43.8             | 73.9                   | 30.1                       | 0.0                            | 100.0                  | V        |
| 38032              | 46.1             | 73.9                   | 27.8                       | 0.0                            | 100.0                  | V        |
| 38863              | 47.9             | 73.9                   | 26                         | 0.0                            | 100.0                  | V        |
| 39642              | 48.0             | 73.9                   | 25.9                       | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 31272              | 31.6                    | 54.0                            | 22.4                                | 0.0                         | 100.0                  | V        |
| 33827              | 31.7                    | 54.0                            | 22.3                                | 0.0                         | 100.0                  | V        |
| 35643              | 31.6                    | 54.0                            | 22.4                                | 0.0                         | 100.0                  | V        |
| 38032              | 32.9                    | 54.0                            | 21.1                                | 0.0                         | 100.0                  | V        |
| 38863              | 35.4                    | 54.0                            | 18.6                                | 0.0                         | 100.0                  | V        |
| 39642              | 35.8                    | 54.0                            | 18.2                                | 0.0                         | 100.0                  | V        |

**NOTE:**

The minimum margin value is over 4dB.





**8. Radiated Emission Test data (Copy Mode)****-Horizontal**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 82.88              | 17.4                  | 120                | 400                       | H        | 125                            | -20.1         | 22.6               | 40.0              |
| 100.32             | 22.6                  | 120                | 400                       | H        | 45                             | -16.4         | 20.9               | 43.5              |
| 171.36             | 26.7                  | 120                | 400                       | H        | 86                             | -19.2         | 16.8               | 43.5              |
| 225.68             | 26.9                  | 120                | 400                       | H        | 125                            | -16.0         | 19.1               | 46.0              |
| 255.28             | 39.0                  | 120                | 100                       | H        | 230                            | -15.2         | 7.0                | 46.0              |
| 343.40             | 41.0                  | 120                | 100                       | H        | 265                            | -12.5         | 5.0                | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 1756.35            | 38.51            | 73.9                   | 35.39                      | 0.0                            | 100.0                  | H        |
| 4410.39            | 39.24            | 73.9                   | 34.66                      | 0.0                            | 100.0                  | H        |
| 7952.67            | 43.22            | 73.9                   | 30.68                      | 0.0                            | 100.0                  | H        |
| 9436.63            | 42.10            | 73.9                   | 31.80                      | 0.0                            | 100.0                  | H        |
| 10854.68           | 43.88            | 73.9                   | 30.02                      | 0.0                            | 100.0                  | H        |
| 15645.81           | 44.42            | 73.9                   | 29.42                      | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 1756.35            | 28.61             | 54.0                      | 25.39                         | 0.0                         | 100.0                  | H        |
| 4410.39            | 28.98             | 54.0                      | 25.02                         | 0.0                         | 100.0                  | H        |
| 7952.67            | 31.58             | 54.0                      | 22.42                         | 0.0                         | 100.0                  | H        |
| 9436.63            | 31.02             | 54.0                      | 22.98                         | 0.0                         | 100.0                  | H        |
| 10854.68           | 32.17             | 54.0                      | 21.83                         | 0.0                         | 100.0                  | H        |
| 15645.81           | 33.74             | 54.0                      | 20.26                         | 0.0                         | 100.0                  | H        |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 20435              | 42.6             | 73.9                   | 31.3                       | 0.0                            | 100.0                  | H        |
| 21616              | 42.9             | 73.9                   | 31.0                       | 0.0                            | 100.0                  | H        |
| 23548              | 43.3             | 73.9                   | 30.6                       | 0.0                            | 100.0                  | H        |
| 24778              | 45.8             | 73.9                   | 28.1                       | 0.0                            | 100.0                  | H        |
| 25042              | 46.1             | 73.9                   | 27.8                       | 0.0                            | 100.0                  | H        |
| 25481              | 46.8             | 73.9                   | 27.1                       | 0.0                            | 100.0                  | H        |

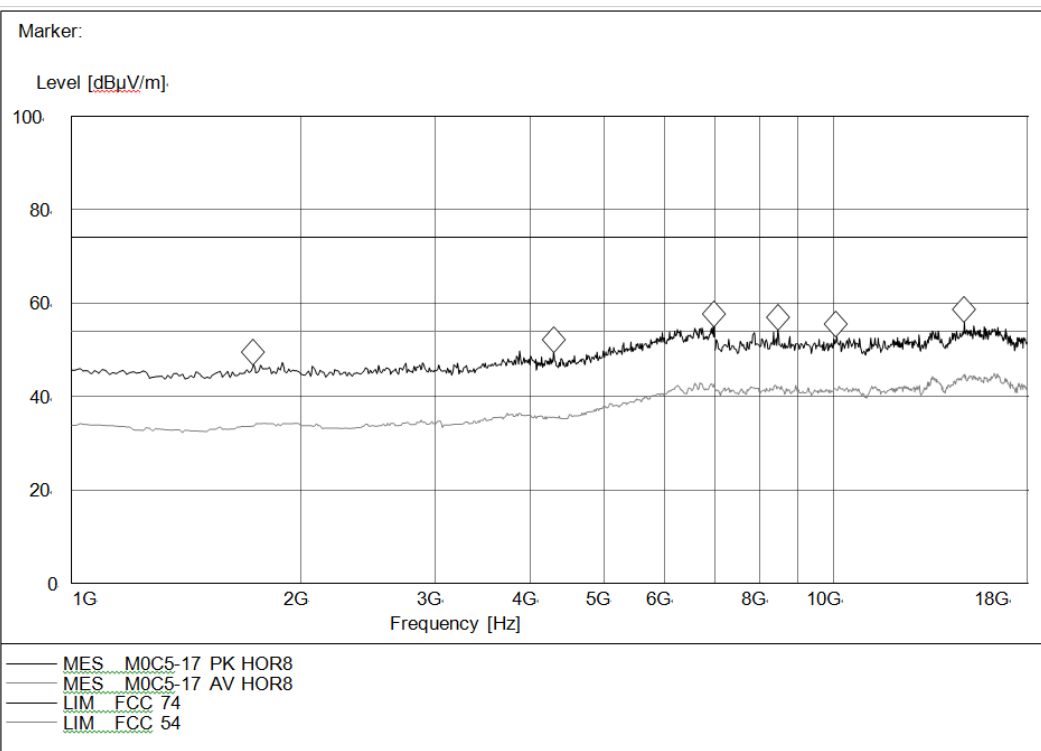
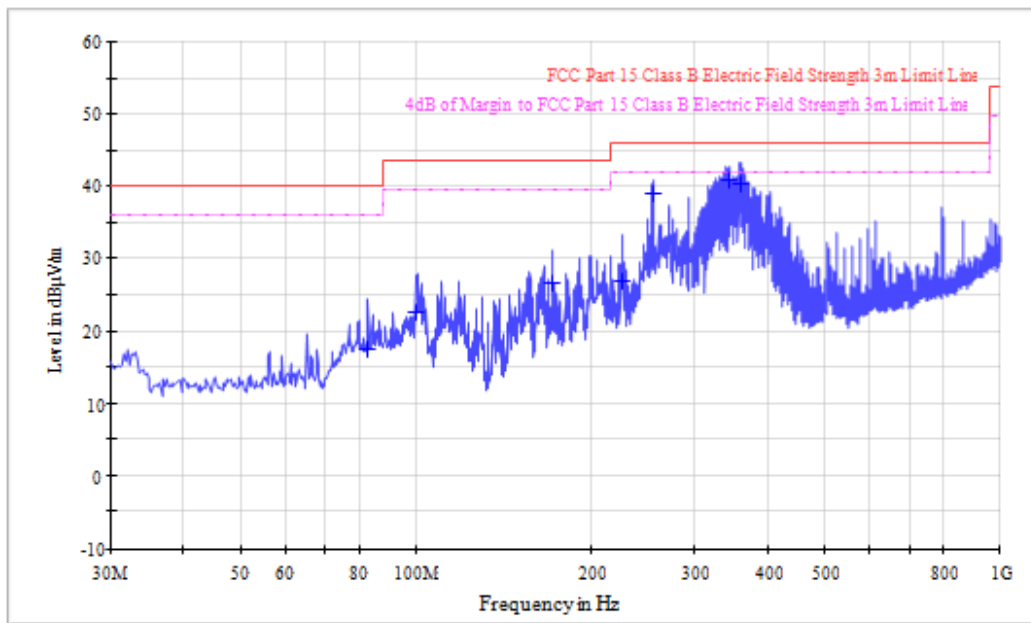
| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 20435              | 32.1              | 54.0                      | 21.9                          | 0.0                         | 100.0                  | H        |
| 21616              | 32.0              | 54.0                      | 22.0                          | 0.0                         | 100.0                  | H        |
| 23548              | 32.6              | 54.0                      | 21.4                          | 0.0                         | 100.0                  | H        |
| 24778              | 34.0              | 54.0                      | 20.0                          | 0.0                         | 100.0                  | H        |
| 25042              | 34.1              | 54.0                      | 19.9                          | 0.0                         | 100.0                  | H        |
| 25481              | 34.9              | 54.0                      | 19.1                          | 0.0                         | 100.0                  | H        |

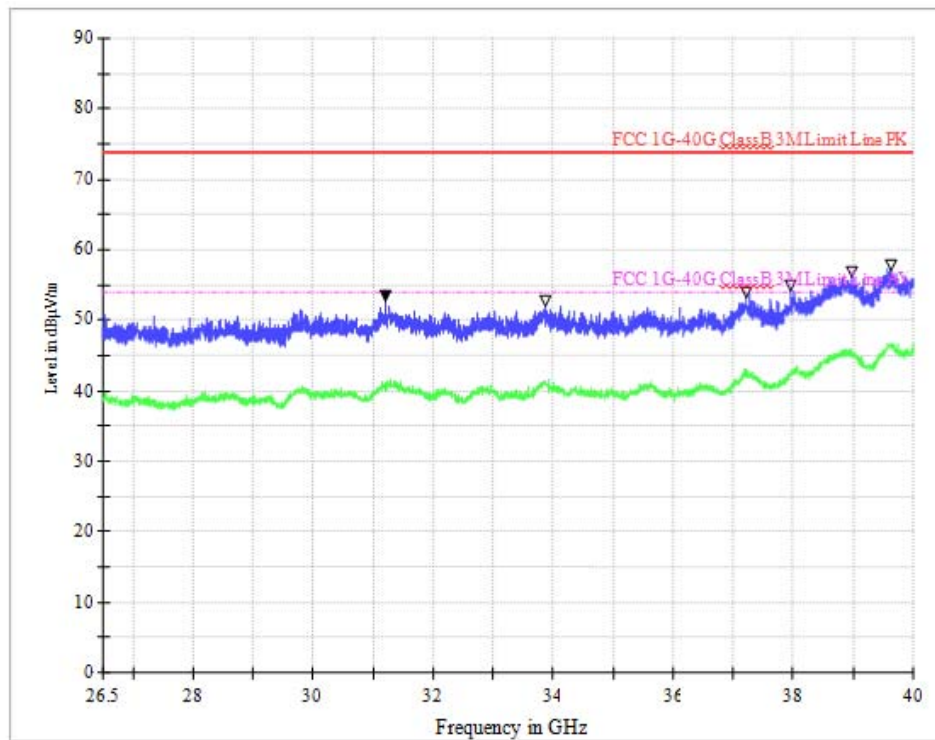
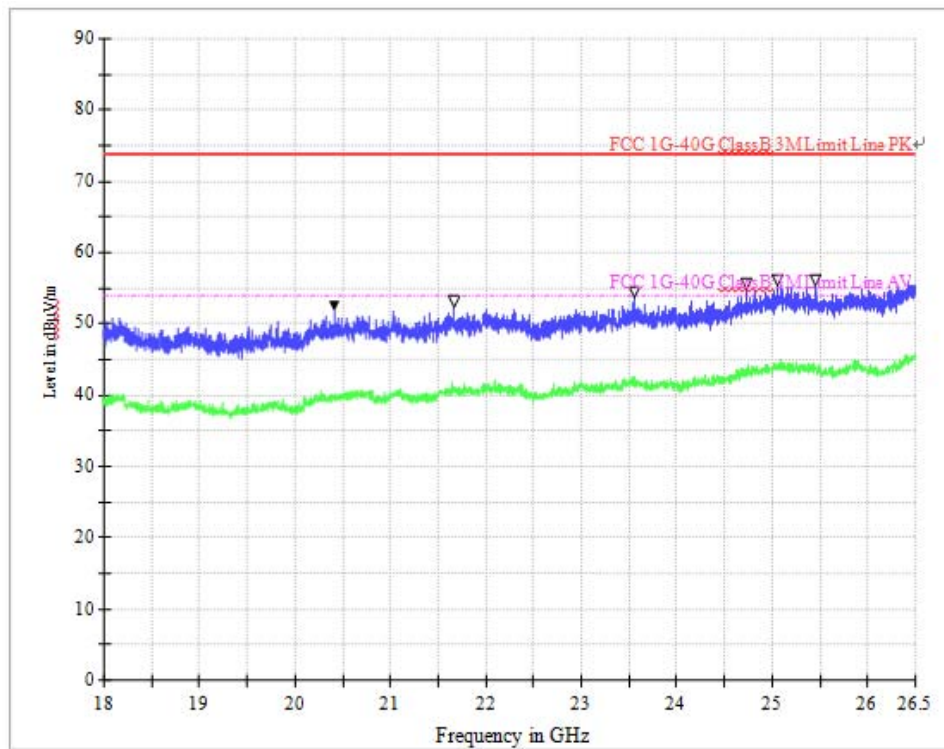
| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 31369              | 44.9             | 73.9                   | 29.0                       | 0.0                            | 100.0                  | H        |
| 33794              | 44.2             | 73.9                   | 29.7                       | 0.0                            | 100.0                  | H        |
| 37295              | 44.8             | 73.9                   | 29.1                       | 0.0                            | 100.0                  | H        |
| 37956              | 45.1             | 73.9                   | 28.8                       | 0.0                            | 100.0                  | H        |
| 38513              | 47.5             | 73.9                   | 26.4                       | 0.0                            | 100.0                  | H        |
| 39632              | 48.6             | 73.9                   | 25.3                       | 0.0                            | 100.0                  | H        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 31369              | 31.5                    | 54                              | 22.5                                | 0.0                         | 100.0                  | H        |
| 33794              | 31.7                    | 54                              | 22.3                                | 0.0                         | 100.0                  | H        |
| 37295              | 32.3                    | 54                              | 21.7                                | 0.0                         | 100.0                  | H        |
| 37956              | 32.5                    | 54                              | 21.5                                | 0.0                         | 100.0                  | H        |
| 38513              | 35.1                    | 54                              | 18.9                                | 0.0                         | 100.0                  | H        |
| 39632              | 35.9                    | 54                              | 18.1                                | 0.0                         | 100.0                  | H        |

**NOTE:**

The minimum margin value is over 4dB.





**-Vertical**

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV/m) | Bandwidth<br>(kHz) | Antenna<br>height<br>(cm) | Polarity | Turntable<br>position<br>(deg) | Corr.<br>(dB) | Margin<br>(dBμV/m) | Limit<br>(dBμV/m) |
|--------------------|-----------------------|--------------------|---------------------------|----------|--------------------------------|---------------|--------------------|-------------------|
| 33.16              | 20.7                  | 120                | 100                       | V        | 120                            | -17.9         | 19.3               | 40.0              |
| 75.36              | 26.4                  | 120                | 100                       | V        | 115                            | -21.9         | 13.6               | 40.0              |
| 93.12              | 31.4                  | 120                | 100                       | V        | 136                            | -17.1         | 12.1               | 43.5              |
| 102.04             | 32.1                  | 120                | 100                       | V        | 156                            | -16.5         | 11.4               | 43.5              |
| 121.20             | 32.1                  | 120                | 100                       | V        | 123                            | -19           | 11.4               | 43.5              |
| 255.28             | 29.8                  | 120                | 100                       | V        | 321                            | -15.2         | 16.2               | 46.0              |

| Frequency<br>(MHz) | Peak<br>(dBμV/m) | Peak limit<br>(dBμV/m) | Peak<br>Margin<br>(dBμV/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------|------------------------|----------------------------|--------------------------------|------------------------|----------|
| 21061.21           | 38.63            | 73.9                   | 35.27                      | 0.0                            | 100.0                  | V        |
| 58631.81           | 43.85            | 73.9                   | 30.05                      | 0.0                            | 100.0                  | V        |
| 64252.60           | 46.08            | 73.9                   | 27.82                      | 0.0                            | 100.0                  | V        |
| 83320.08           | 44.47            | 73.9                   | 29.43                      | 0.0                            | 100.0                  | V        |
| 14728.28           | 45.81            | 73.9                   | 28.09                      | 0.0                            | 100.0                  | V        |
| 16884.68           | 46.05            | 73.9                   | 27.85                      | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dBμV/m | Average limit<br>(dBμV/m) | Average<br>Margin<br>(dBμV/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------|---------------------------|-------------------------------|-----------------------------|------------------------|----------|
| 21061.21           | 28.69             | 54.0                      | 25.3                          | 0.0                         | 100.0                  | V        |
| 58631.81           | 33.22             | 54.0                      | 20.8                          | 0.0                         | 100.0                  | V        |
| 64252.60           | 34.52             | 54.0                      | 19.5                          | 0.0                         | 100.0                  | V        |
| 83320.08           | 34.45             | 54.0                      | 19.6                          | 0.0                         | 100.0                  | V        |
| 14728.28           | 35.62             | 54.0                      | 18.4                          | 0.0                         | 100.0                  | V        |
| 16884.68           | 34.81             | 54.0                      | 19.2                          | 0.0                         | 100.0                  | V        |

| Frequency<br>(MHz) | Peak<br>(dB $\mu$ V/m) | Peak limit<br>(dB $\mu$ V/m) | Peak<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------------|------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 21785              | 42.8                   | 73.9                         | 31.1                             | 0.0                            | 100.0                  | V        |
| 22941              | 43.1                   | 73.9                         | 30.8                             | 0.0                            | 100.0                  | V        |
| 23592              | 44.8                   | 73.9                         | 29.1                             | 0.0                            | 100.0                  | V        |
| 24853              | 45.9                   | 73.9                         | 28                               | 0.0                            | 100.0                  | V        |
| 25311              | 46.2                   | 73.9                         | 27.7                             | 0.0                            | 100.0                  | V        |
| 25932              | 46.7                   | 73.9                         | 27.2                             | 0.0                            | 100.0                  | V        |

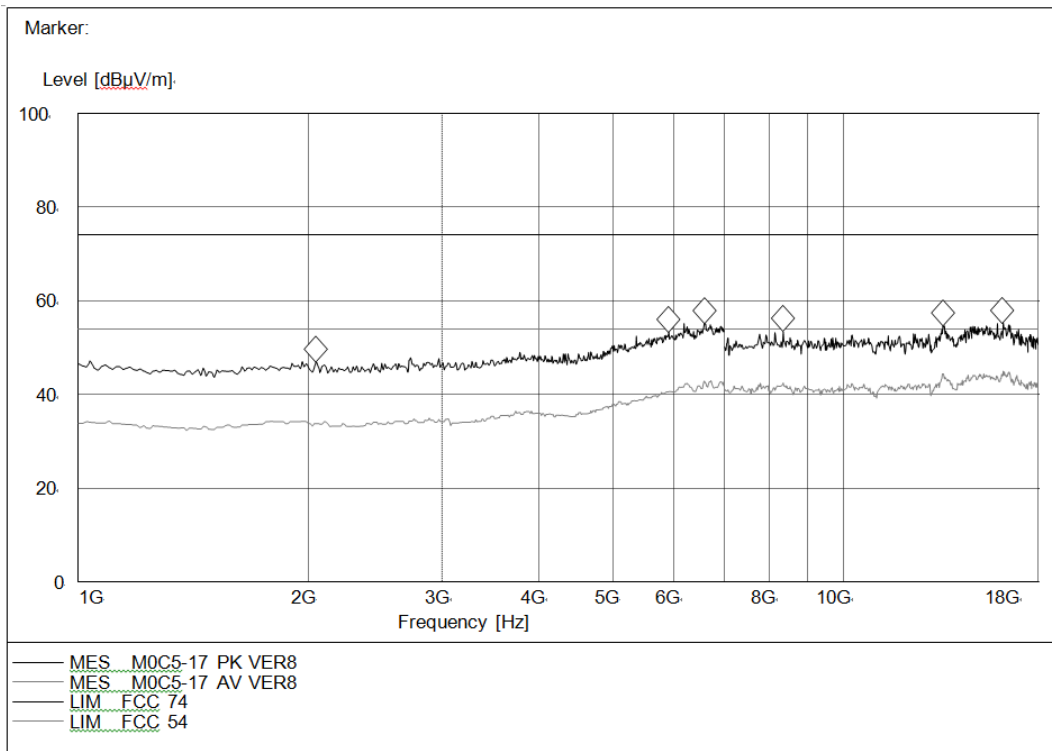
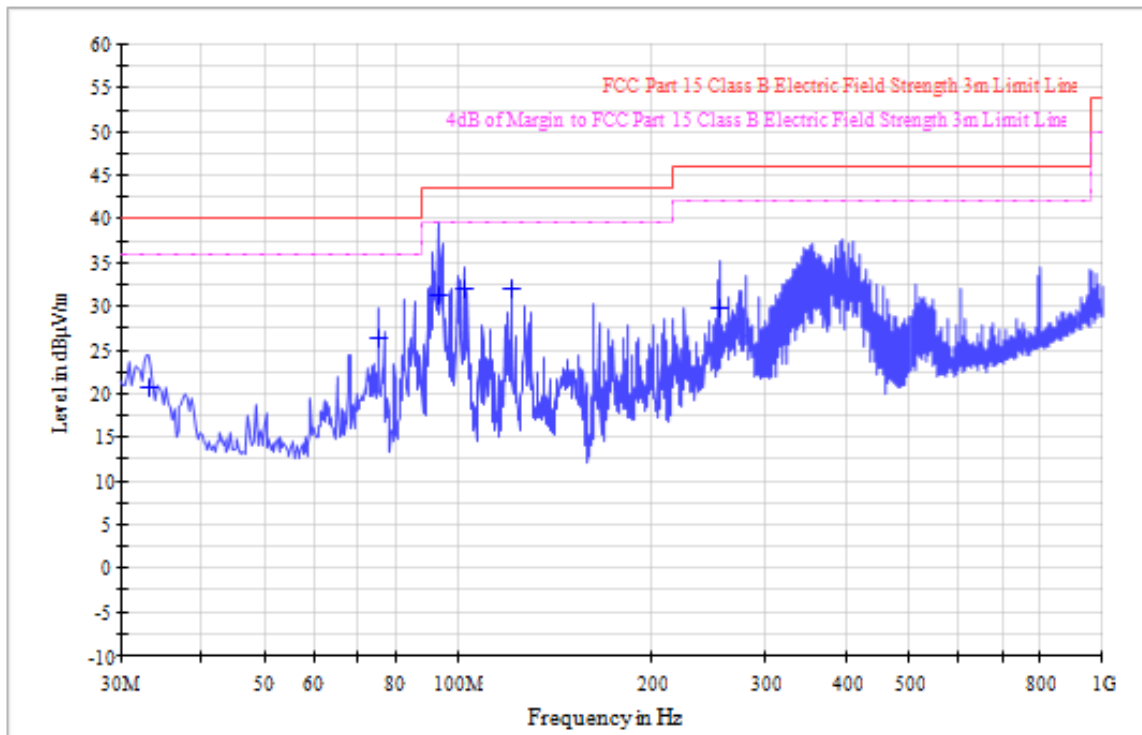
| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 21785              | 32.1                    | 54.0                            | 21.9                                | 0.0                         | 100.0                  | V        |
| 22941              | 32.8                    | 54.0                            | 21.2                                | 0.0                         | 100.0                  | V        |
| 23592              | 34.0                    | 54.0                            | 20.0                                | 0.0                         | 100.0                  | V        |
| 24853              | 34.2                    | 54.0                            | 19.8                                | 0.0                         | 100.0                  | V        |
| 25311              | 35.6                    | 54.0                            | 18.4                                | 0.0                         | 100.0                  | V        |
| 25932              | 35.7                    | 54.0                            | 18.3                                | 0.0                         | 100.0                  | V        |

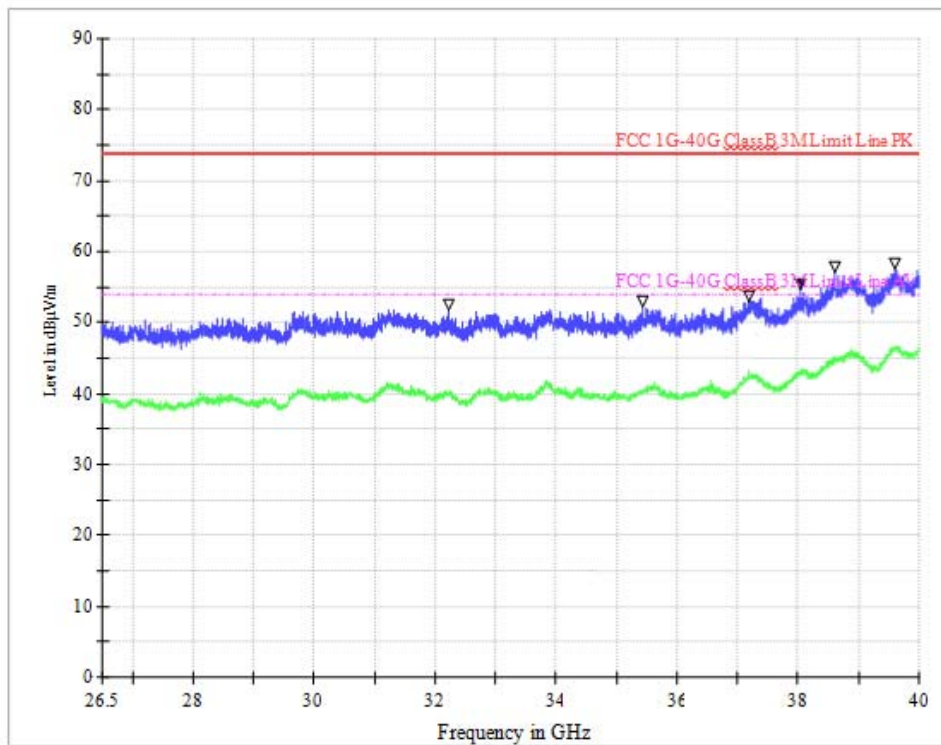
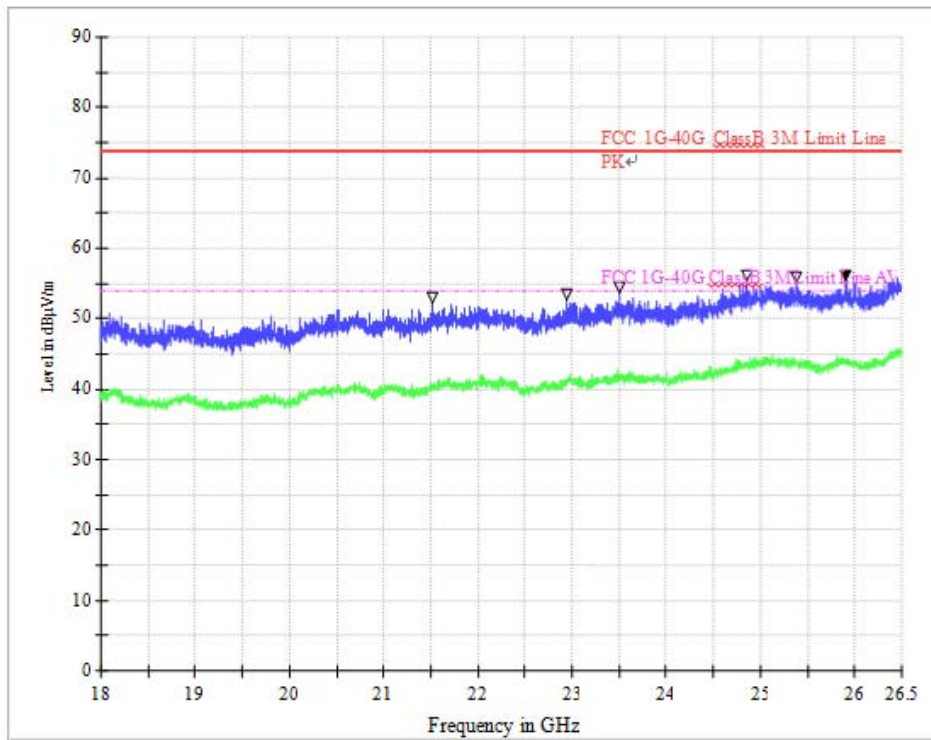
| Frequency<br>(MHz) | Peak<br>(dB $\mu$ V/m) | Peak limit<br>(dB $\mu$ V/m) | Peak<br>Margin<br>(dB $\mu$ V/m) | Turntable<br>position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|------------------------|------------------------------|----------------------------------|--------------------------------|------------------------|----------|
| 32199              | 43.3                   | 73.9                         | 30.6                             | 0.0                            | 100.0                  | V        |
| 35424              | 44.2                   | 73.9                         | 29.7                             | 0.0                            | 100.0                  | V        |
| 37202              | 44.9                   | 73.9                         | 29.0                             | 0.0                            | 100.0                  | V        |
| 38456              | 45.8                   | 73.9                         | 28.1                             | 0.0                            | 100.0                  | V        |
| 38252              | 47.9                   | 73.9                         | 26.0                             | 0.0                            | 100.0                  | V        |
| 39635              | 48.5                   | 73.9                         | 25.4                             | 0.0                            | 100.0                  | V        |

| Frequency<br>(MHz) | Average<br>dB $\mu$ V/m | Average limit<br>(dB $\mu$ V/m) | Average<br>Margin<br>(dB $\mu$ V/m) | Turntable position<br>(deg) | Ant.<br>height<br>(cm) | Polarity |
|--------------------|-------------------------|---------------------------------|-------------------------------------|-----------------------------|------------------------|----------|
| 32199              | 29.9                    | 54                              | 24.1                                | 0.0                         | 100.0                  | V        |
| 35424              | 31.2                    | 54                              | 22.8                                | 0.0                         | 100.0                  | V        |
| 37202              | 32.1                    | 54                              | 21.9                                | 0.0                         | 100.0                  | V        |
| 38456              | 33.0                    | 54                              | 21.0                                | 0.0                         | 100.0                  | V        |
| 38252              | 34.5                    | 54                              | 19.5                                | 0.0                         | 100.0                  | V        |
| 39635              | 35.8                    | 54                              | 18.2                                | 0.0                         | 100.0                  | V        |

**NOTE:**

The minimum margin value is over 4dB.





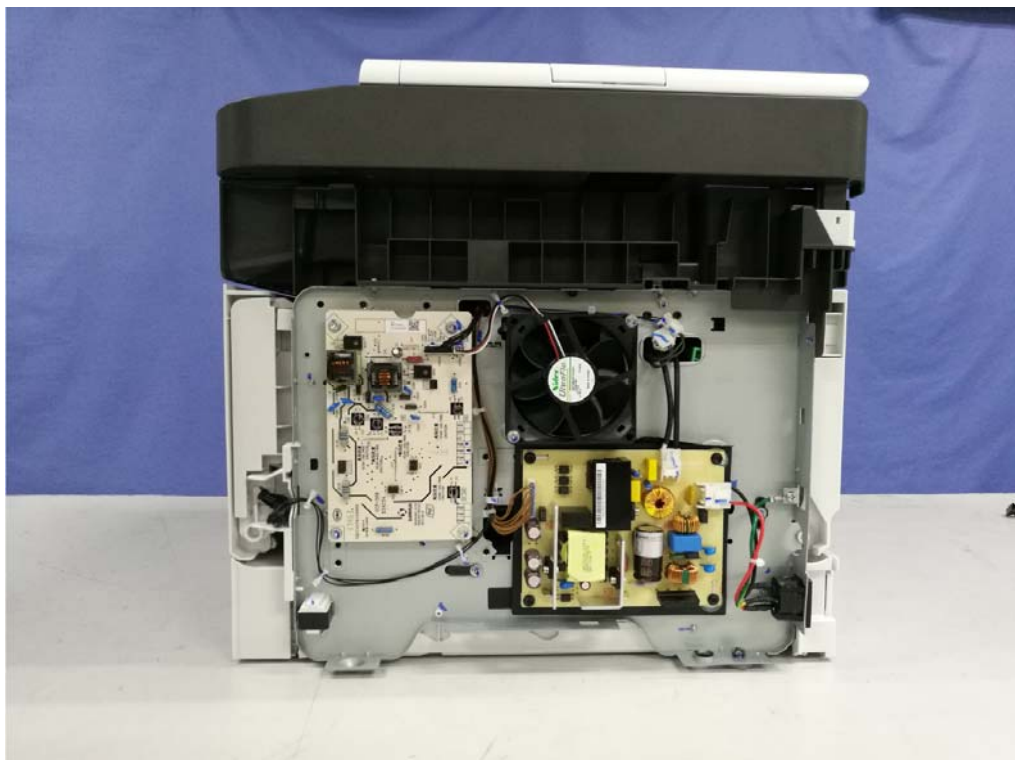
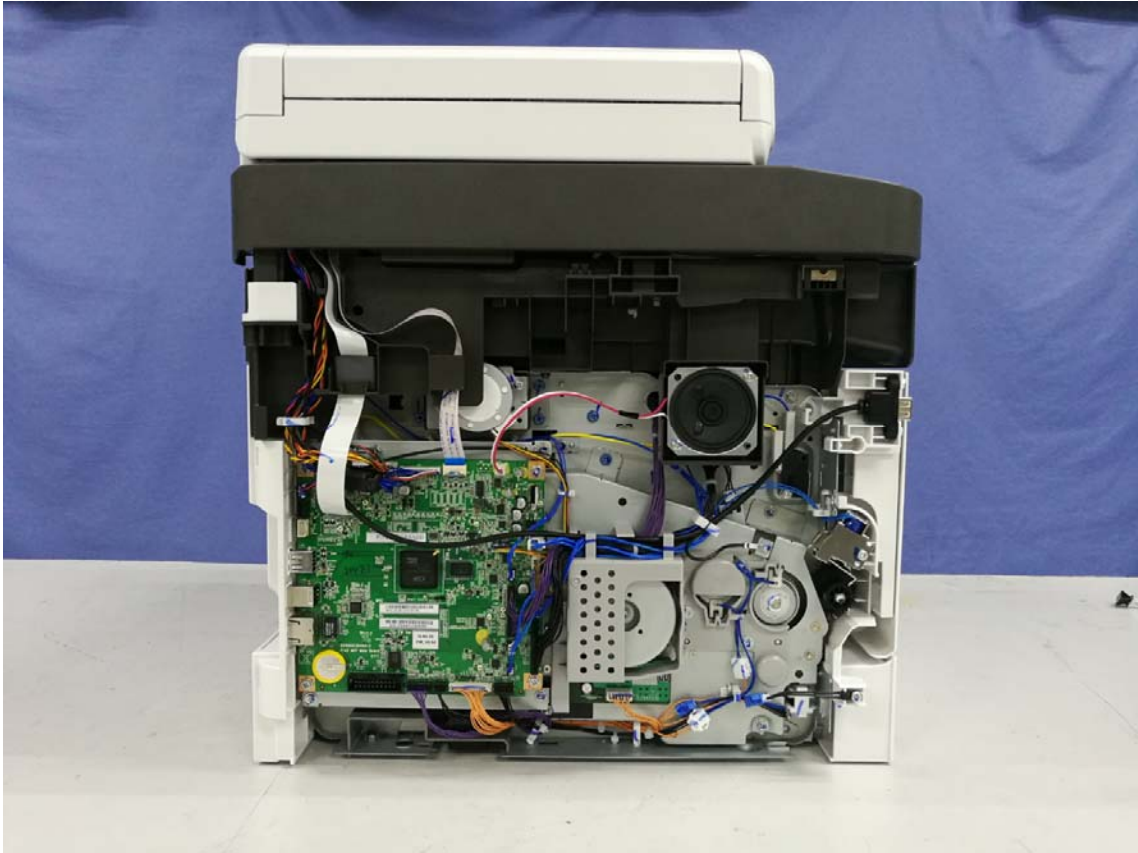
## Appendix I: Photographs of the EUT

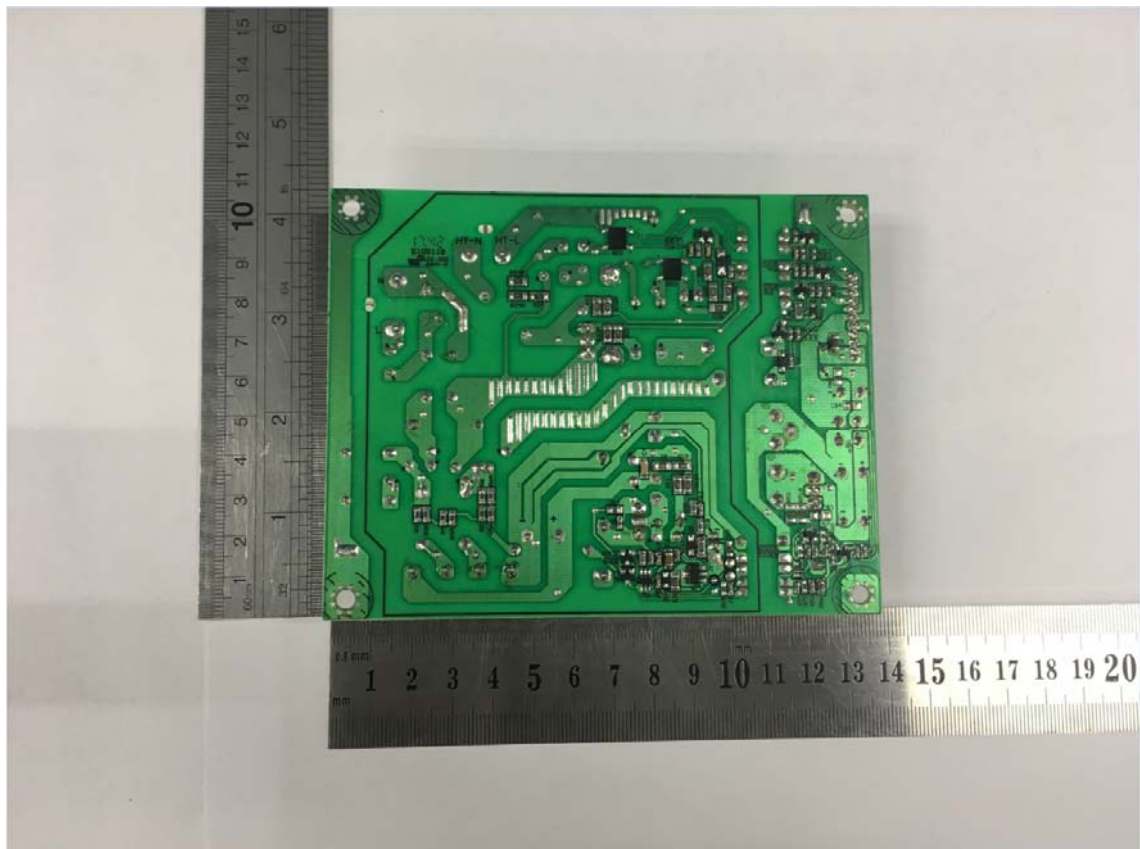
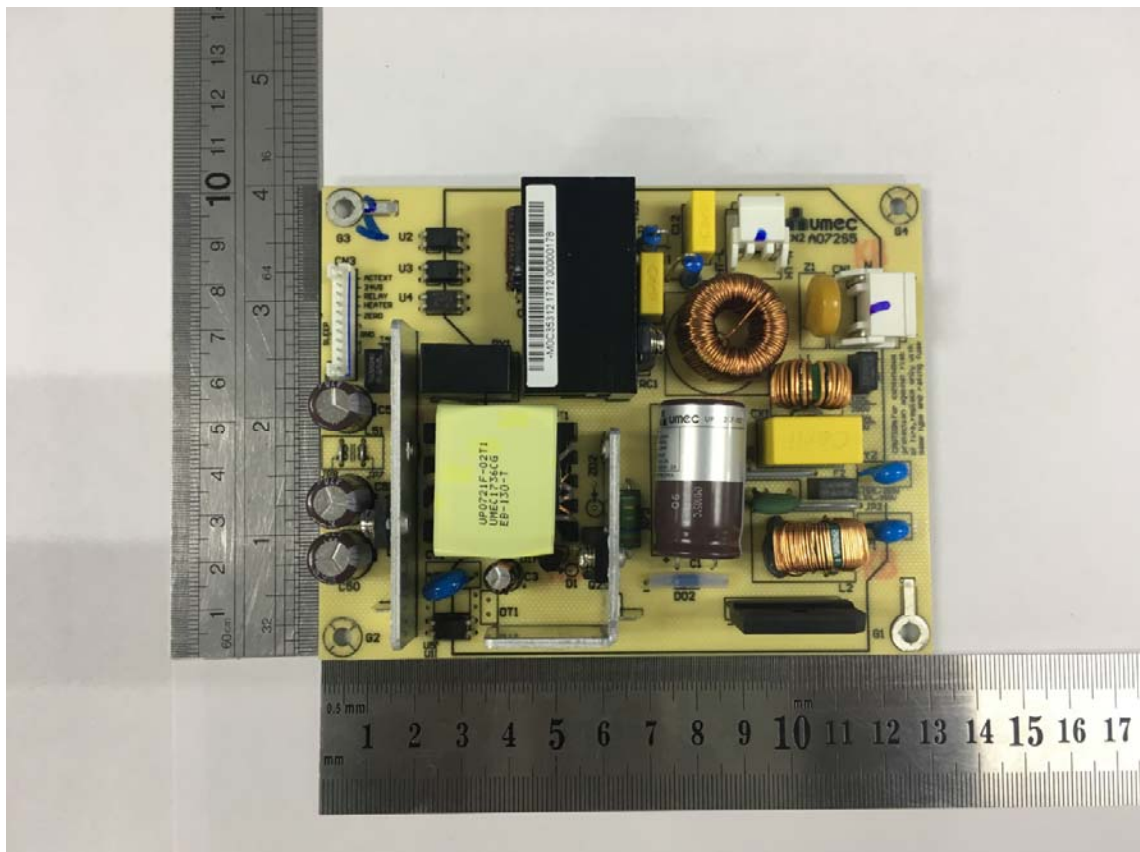
### 1. Appearance

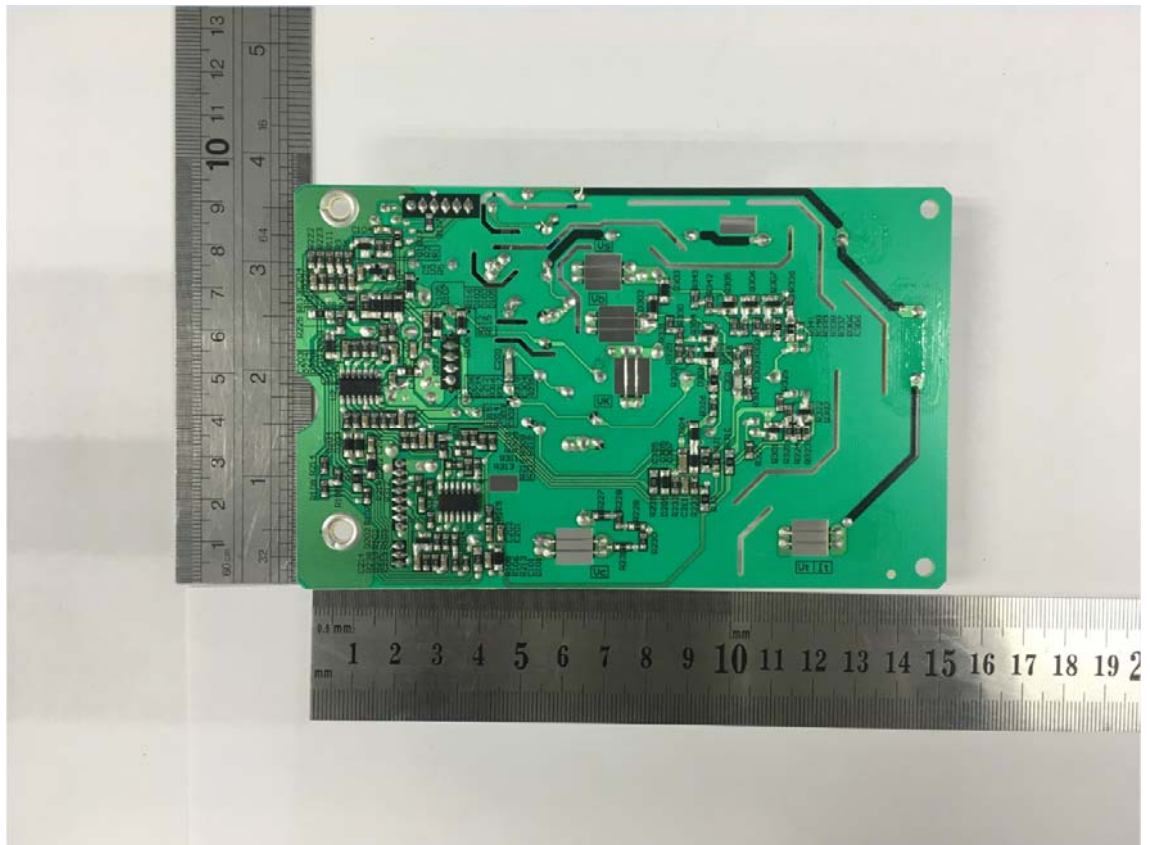
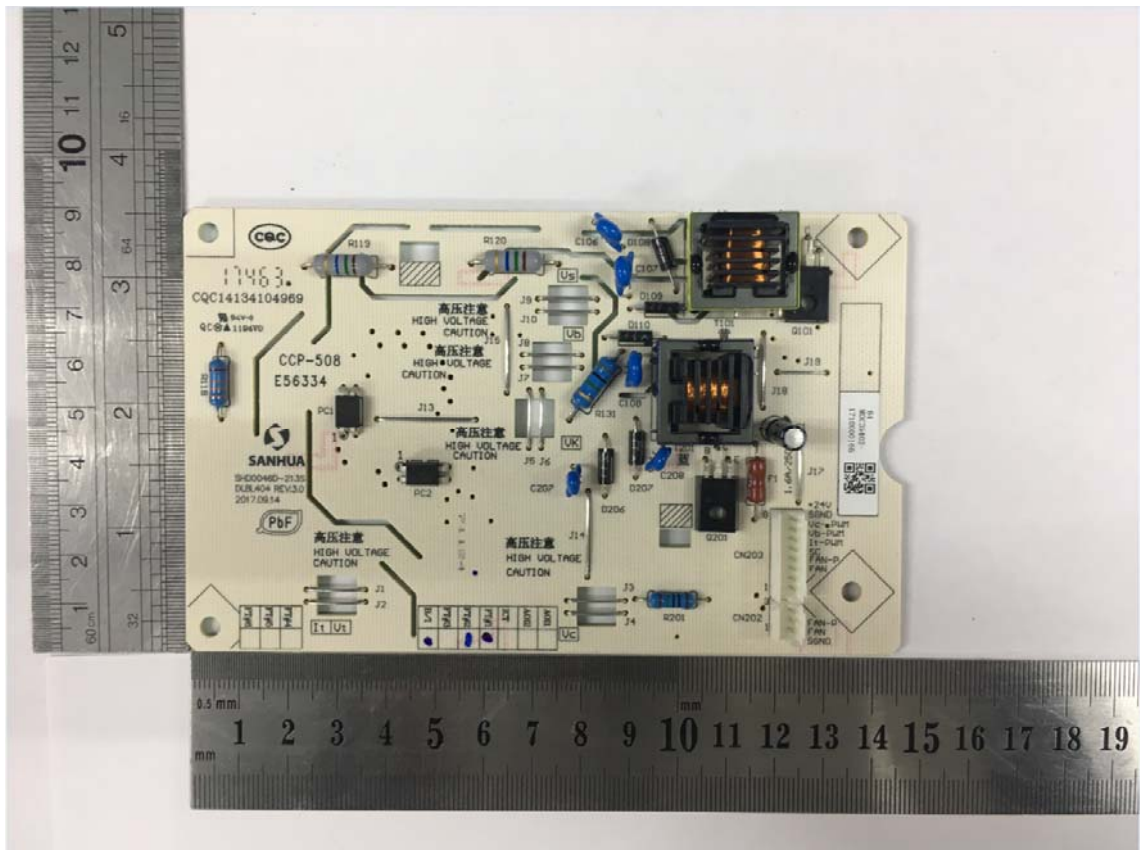


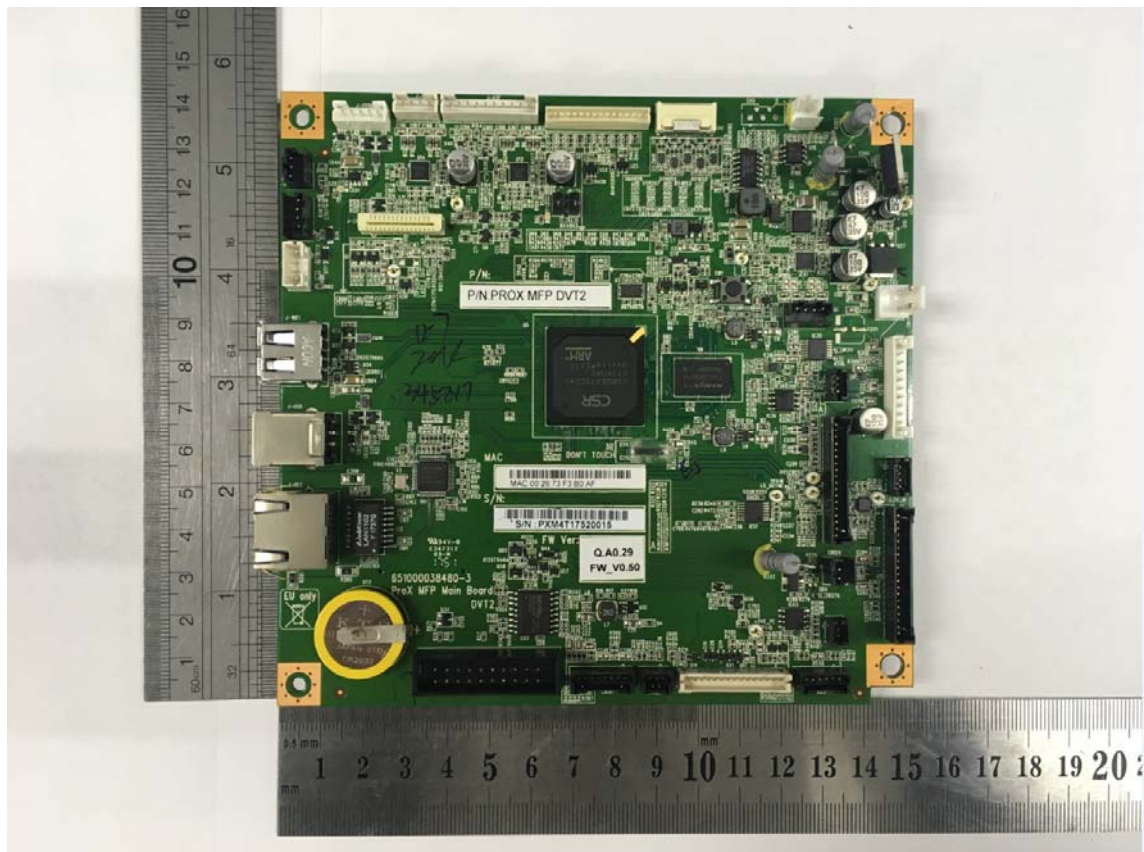


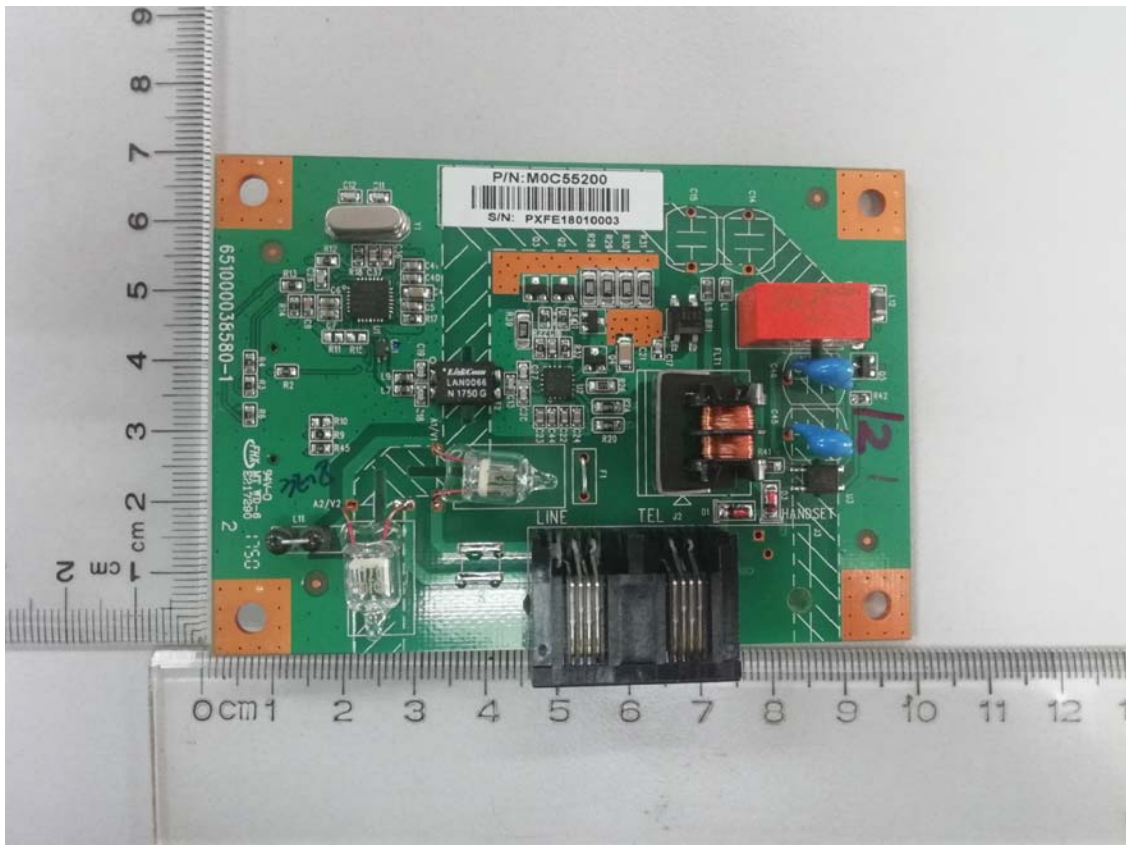
## 2. Inside

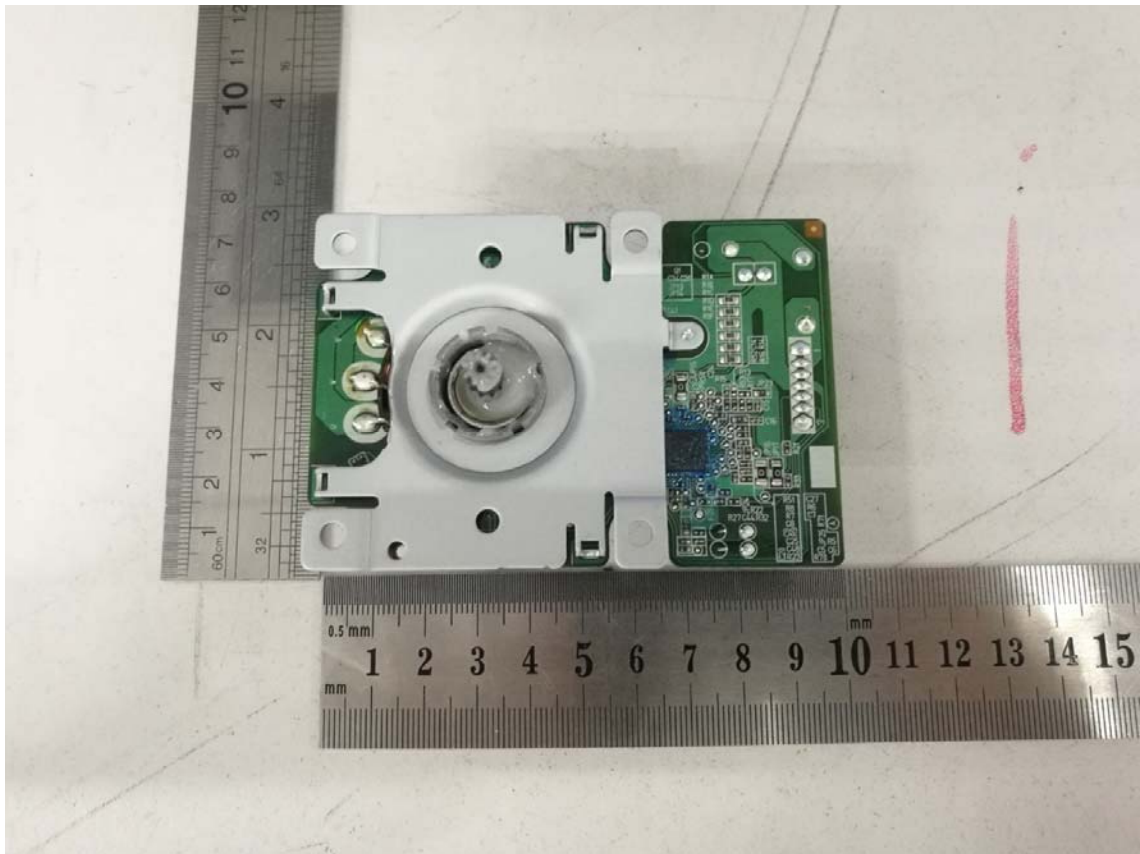


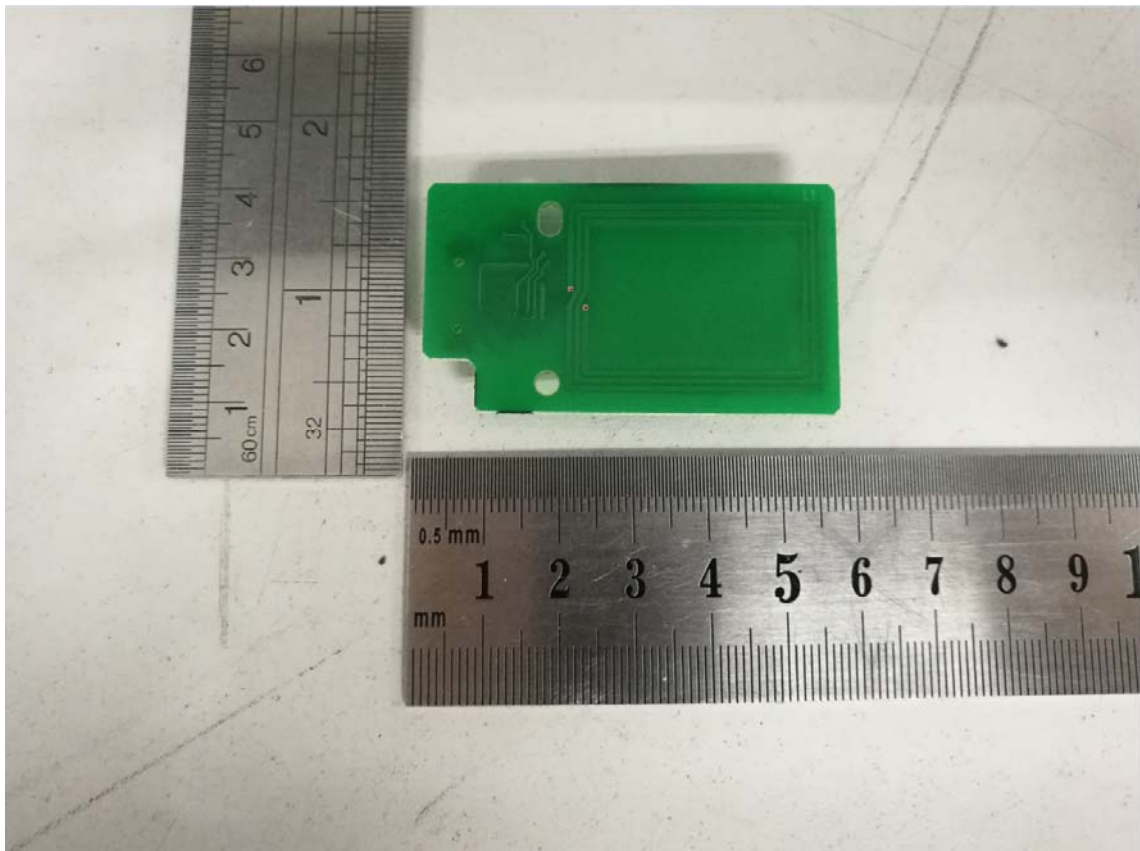
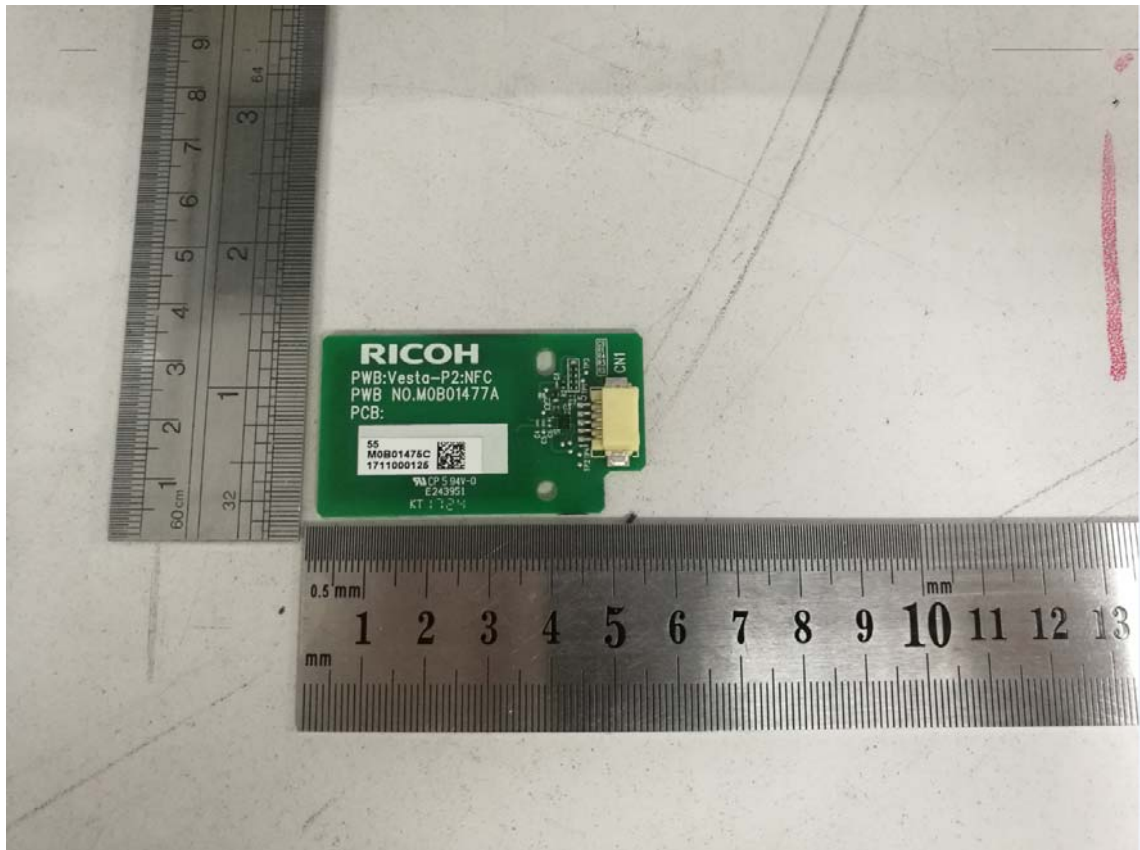


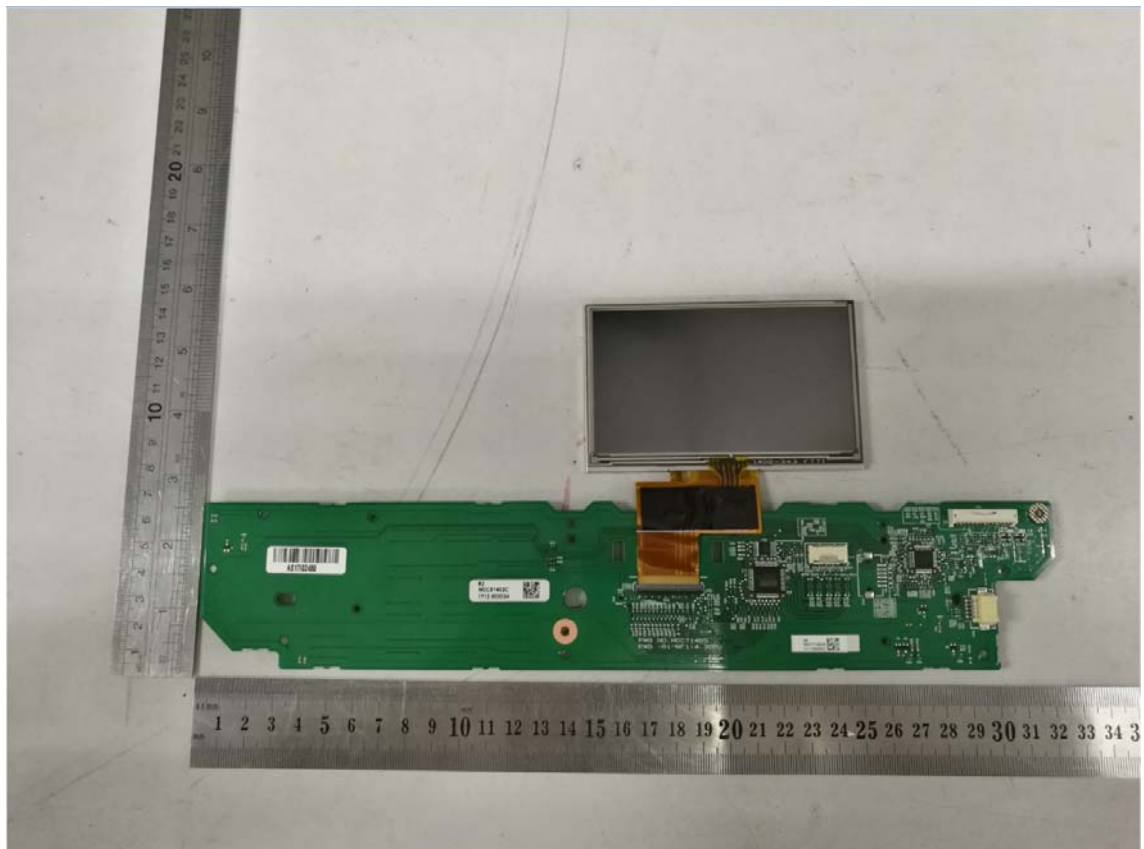
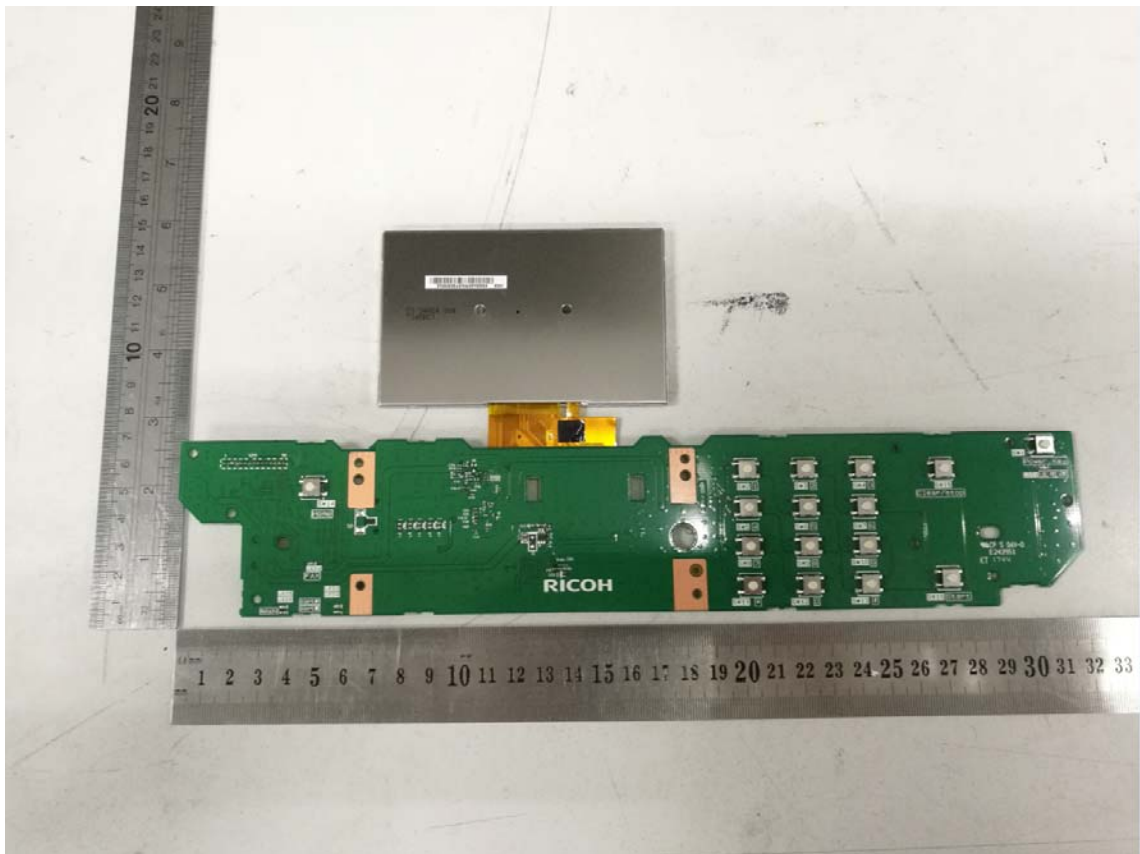


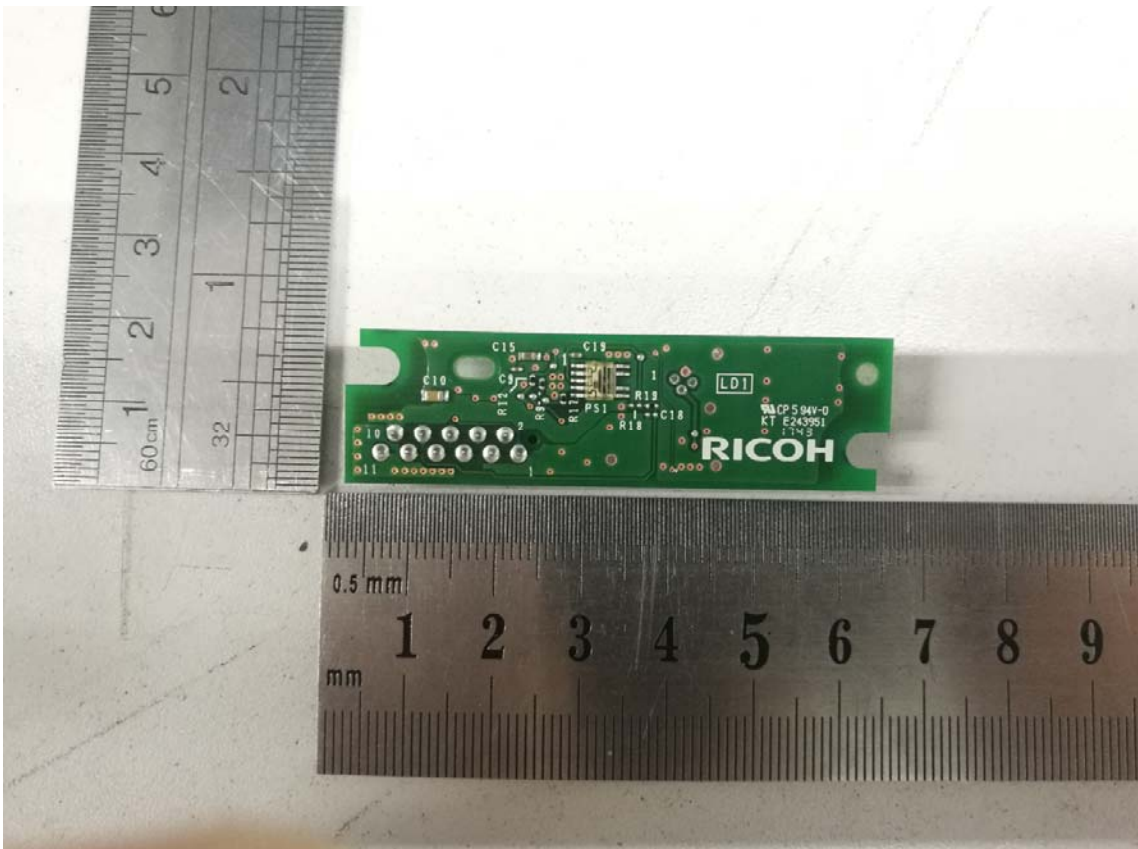
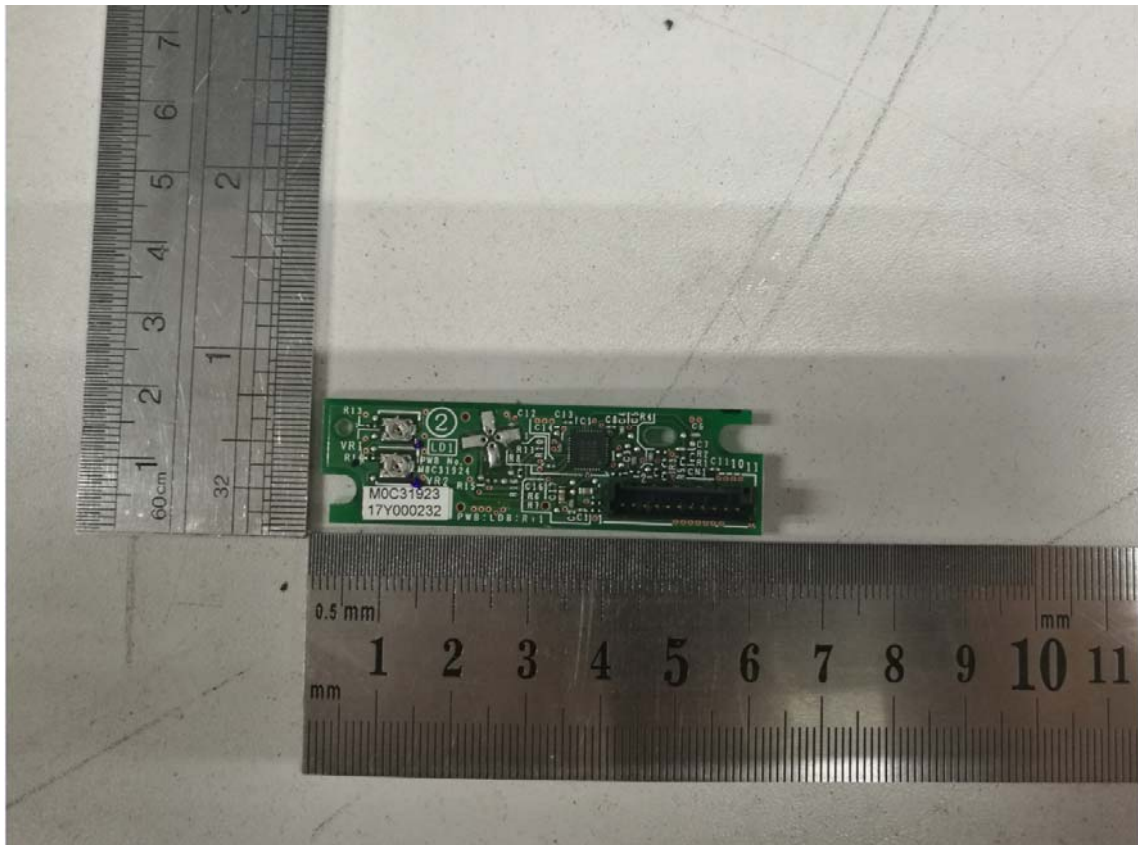


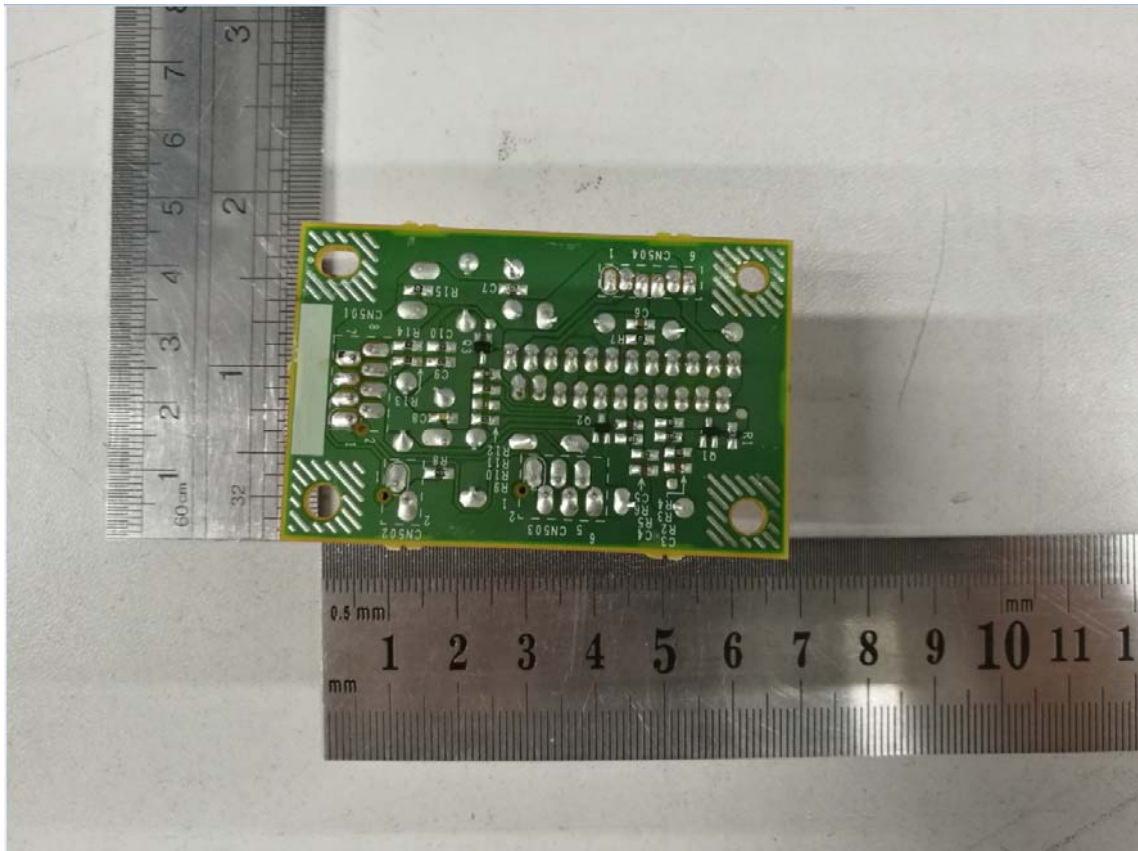
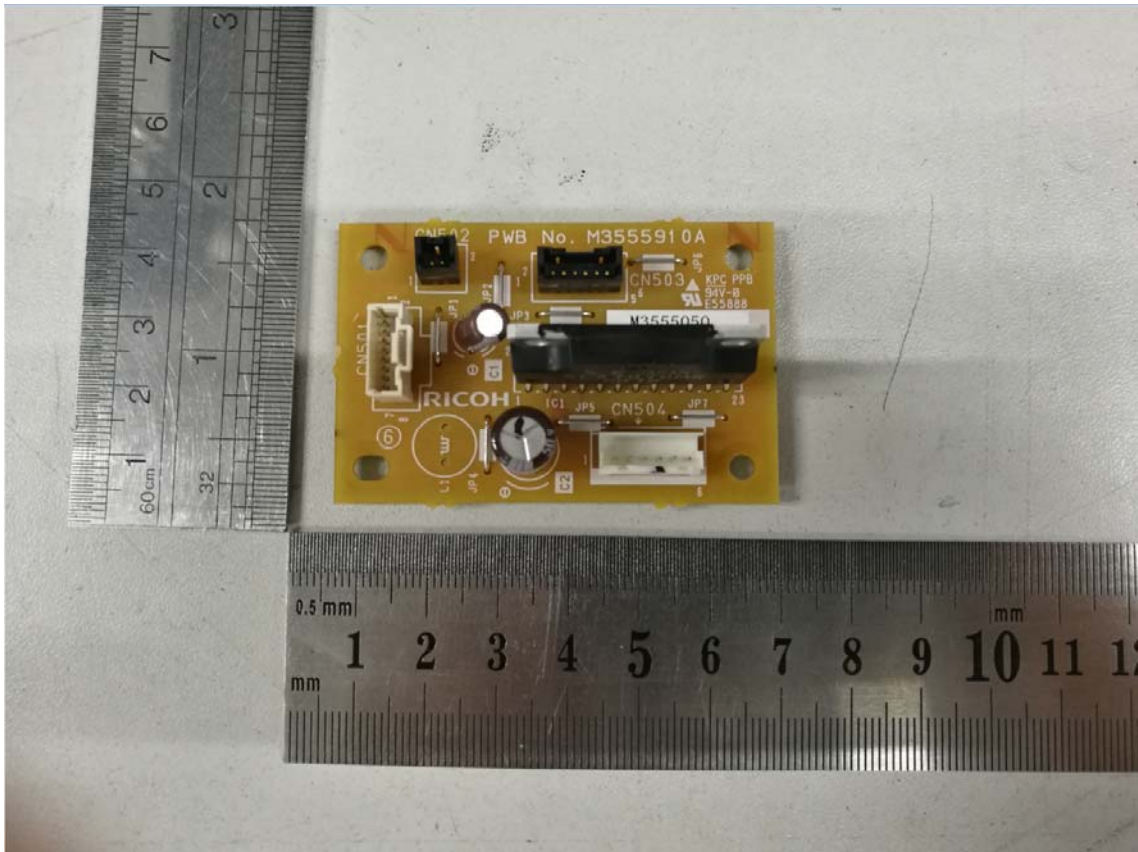










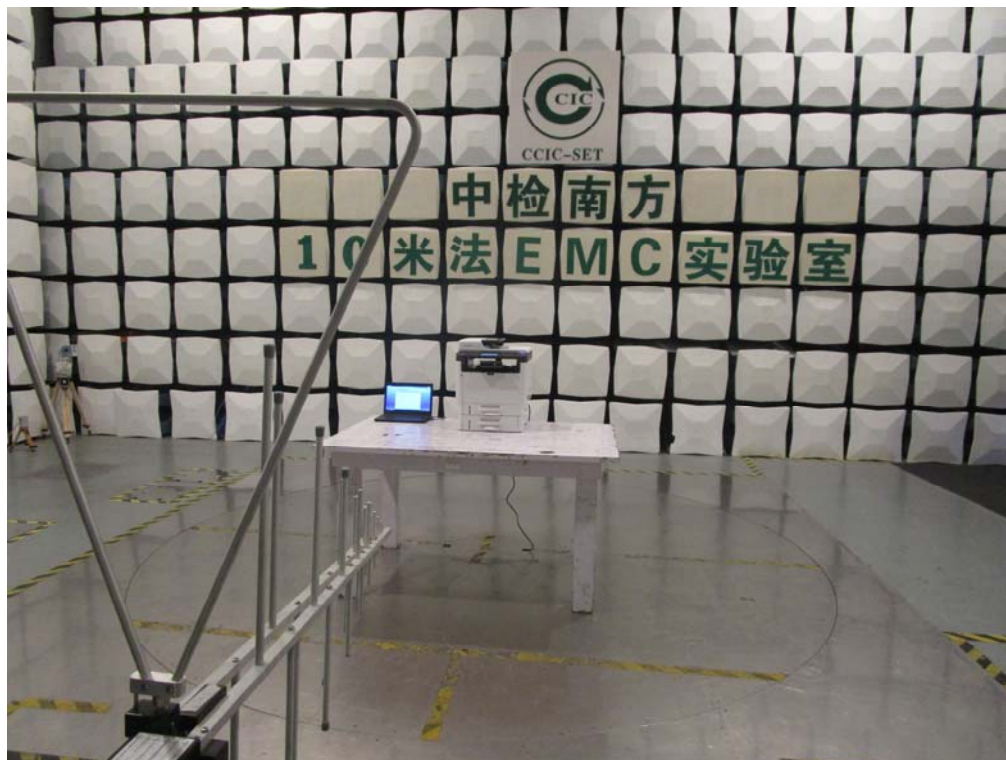


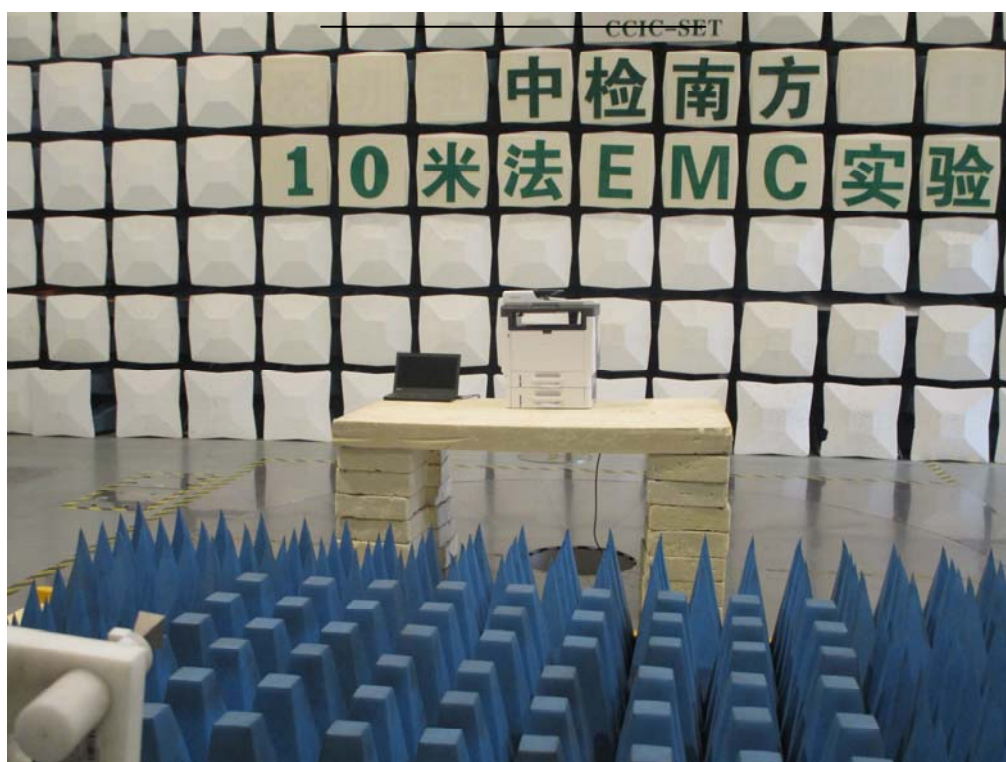
## Appendix II: Photographs of EMC Test Configuration

### 1. Mains Terminal Disturbance Voltage Measurement



## 2. Radiated Field Strength Measurement





End of Report