

# **FCC RADIO TEST REPORT**

## **FCC ID: 2BVBM-K700**

**Product :** Magnetic wireless charging stand

**Trade Mark :** Boola

**Model Name :** K700

**Family Model :** K700A, K800, K810

**Report No. :** N26051902906E

**Issue Date:** Jul. 03, 2026

### **Prepared for**

Shenzhen Biliou Technology Co., Ltd.

Unit 201, Building 1, Zhengnan Industrial City, Longgang District, Shenzhen,  
Guangdong Province, China

### **Prepared by**

Shenzhen NTEK Testing Technology Co., Ltd.

No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street,  
Baoan District, Shenzhen, Guangdong, People's Republic of China

Tel. 0755-23200050 Website: <http://www.ntek.org.cn>

## TEST RESULT CERTIFICATION

**Applicant's name** ..... : Shenzhen Biliou Technology Co., Ltd.  
**Address** ..... : Unit 201, Building 1, Zhengnan Industrial City, Longgang District,  
Shenzhen, Guangdong Province, China  
**Manufacturer's Name** ..... : Shenzhen Biliou Technology Co., Ltd.  
**Address** ..... : Unit 201, Building 1, Zhengnan Industrial City, Longgang District,  
Shenzhen, Guangdong Province, China

**Product description**

**Product name** ..... : Magnetic wireless charging stand  
**Model and/or type reference** : K700  
**Family Model** ..... : K700A, K800, K810  
**Test Sample number** ..... : S2605210345-1#

**Standards** ..... : FCC part 15C

**Test procedure** ..... ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to  
C63.10a-2024

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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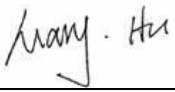
**Date of Test** ..... :

**Date (s) of performance of tests** ..... : Jun. 01, 2026 ~ Jul. 03, 2026

**Date of Issue** ..... : Jul. 03, 2026

**Test Result** ..... : **Pass**

Prepared  
By :

  
Mary Hu  
(Project Engineer)

Reviewed  
By :

  
Aaron Cheng  
(Supervisor)

Approved  
By :

  
Alex Li  
(Manager)

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### 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

| EMC Emission                                                                              |                     |           |       |          |        |
|-------------------------------------------------------------------------------------------|---------------------|-----------|-------|----------|--------|
| Standard                                                                                  | Test Item           | FCC Rules | Limit | Judgment | Remark |
| FCC part 15C<br>ANSI C63.10-2020 +<br>Cor.1-2023+C63.10a-2024<br>+ Errata to C63.10a-2024 | Conducted Emission  | §15.207   | /     | PASS     |        |
|                                                                                           | Radiated Emission   | §15.209   | /     | PASS     |        |
|                                                                                           | ANTENNA APPLICATION | §15.203   | /     | PASS     |        |
|                                                                                           | 20dB BANDWIDTH      | §15.215   | /     | PASS     |        |

NOTE:

- (1)'N/A' denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.

## 1.1 TEST FACILITY

All measurement facilities used to collect the measurement data are located at No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

### Site Description

CNAS-Lab. : The Certificate Registration Number is L5516.

IC-Registration : The Certificate Registration Number is 9270A.  
CAB identifier: CN0074

FCC- Accredited : Test Firm Registration Number: 463705.

Designation Number: CN1184

A2LA-Lab. : The Certificate Registration Number is 4298.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system

(refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Name of Firm : Shenzhen NTEK Testing Technology Co., Ltd.

Site Location : No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China.

## 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

| No. | Item                                | Uncertainty |
|-----|-------------------------------------|-------------|
| 1   | Conducted Emission Test(9-150kHz)   | 3.7dB       |
| 2   | Conducted Emission Test(0.15-30MHz) | 3.3dB       |
| 3   | RF power, conducted                 | 0.9dB       |
| 4   | Occupied bandwidth                  | 1.2%        |
| 5   | Spurious emissions, conducted       | 2.2dB       |
| 6   | Radio Frequency                     | 0.2ppm      |
| 7   | All emissions, radiated(9kHz~30MHz) | 4.5dB       |
| 8   | All emissions, radiated(30MHz~1G)   | 4.9dB       |
| 9   | Temperature                         | 0.5°C       |
| 10  | Humidity                            | 2%          |

## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

|                      |                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------|
| Equipment            | Magnetic wireless charging stand                                                                 |
| Trade Mark           | Boola                                                                                            |
| Model Name           | K700                                                                                             |
| Family Model         | K700A, K800, K810                                                                                |
| Model Difference     | All models have the same circuit and RF module, except for model names and appearances.          |
| Operation Frequency: | 0.111 MHz -205 MHz                                                                               |
| Operational mode:    | Wireless charging                                                                                |
| Modulation           | ASK                                                                                              |
| Adapter              | N/A                                                                                              |
| Battery              | N/A                                                                                              |
| Power supply         | Input: 5V $\Rightarrow$ 3A/9V $\Rightarrow$ 3A/12V $\Rightarrow$ 1.5A<br>Output: 5W/7.5W/10W/15W |
| HW Version           | V0.1                                                                                             |
| FW Version           | V0.1                                                                                             |
| SW Version           | V0.1                                                                                             |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

## 2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

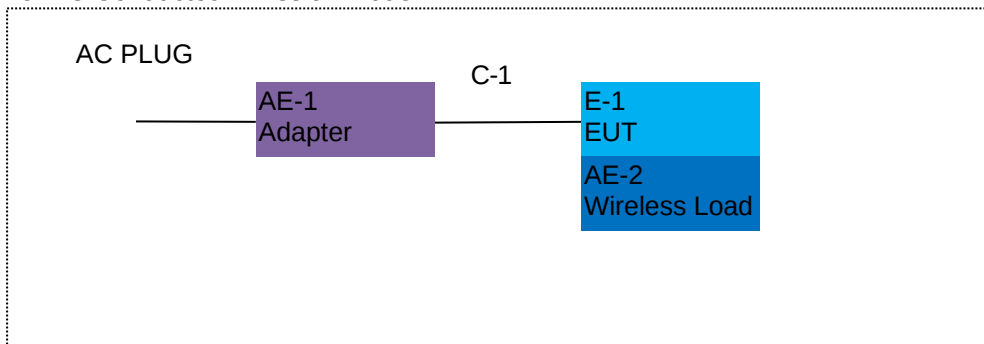
| Pretest Mode | Description              |
|--------------|--------------------------|
| Mode 1       | TX (0.111 MHz -0.205MHz) |

| For Conducted Emission |                          |
|------------------------|--------------------------|
| Final Test Mode        | Description              |
| Mode 1                 | TX (0.111 MHz -0.205MHz) |

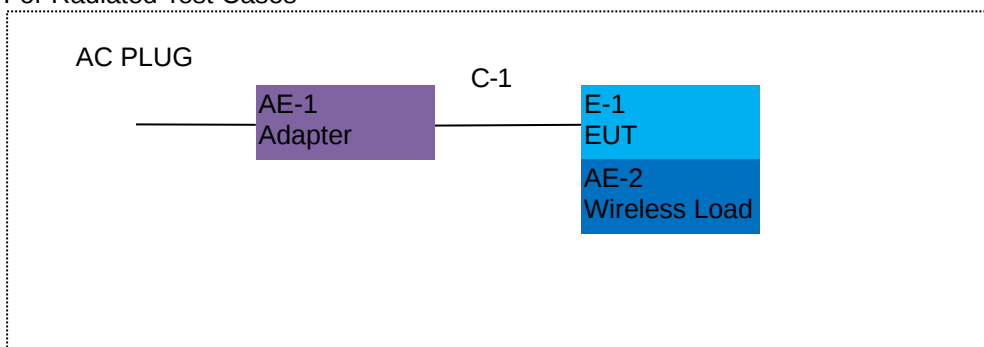
| For Radiated Emission |                          |
|-----------------------|--------------------------|
| Final Test Mode       | Description              |
| Mode 1                | TX (0.111 MHz -0.205MHz) |

## 2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

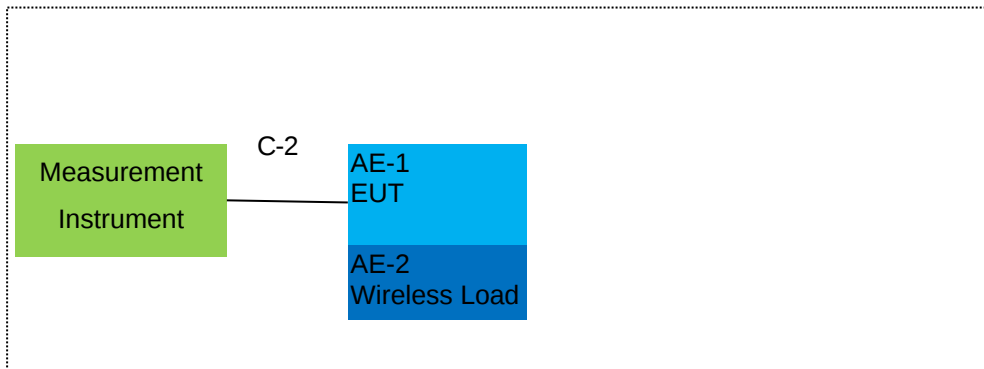
For AC Conducted Emission Mode



For Radiated Test Cases



For Conducted Test Cases



Note:1.The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.  
2.EUT built-in battery-powered, the battery is fully-charged.

## 2.4 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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

| Item | Equipment     | Model/Type No.         | Series No. | Note        |
|------|---------------|------------------------|------------|-------------|
| AE-1 | Adapter       | AD16ZM                 | N/A        | Peripherals |
| AE-2 | Wireless Load | QI2.2/MPP/Magsafe V3.1 | N/A        | Peripherals |
|      |               |                        |            |             |
|      |               |                        |            |             |

| Item | Cable Type | Shielded Type | Ferrite Core | Length | Note |
|------|------------|---------------|--------------|--------|------|
| C-1  | USB Cable  | YES           | NO           | 1.0m   |      |
| C-2  | RF Cable   | YES           | NO           | 0.1m   |      |
|      |            |               |              |        |      |
|      |            |               |              |        |      |

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

## 2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

### Radiation& Conducted Test equipment

| Item | Kind of Equipment           | Manufacturer | Type No.    | Serial No. | Last calibration | Calibrated until | Calibration period |
|------|-----------------------------|--------------|-------------|------------|------------------|------------------|--------------------|
| 1    | Spectrum Analyzer           | Aglient      | E4440A      | MY41000130 | 2026.4.15        | 2027.4.14        | 1 year             |
| 2    | Spectrum Analyzer           | Agilent      | N9020A      | MY49100060 | 2026.4.8         | 2027.4.7         | 1 year             |
| 3    | Spectrum Analyzer           | R&S          | FSV40       | 101417     | 2026.4.8         | 2027.4.7         | 1 year             |
| 4    | Test Receiver               | R&S          | ESR7        | 102679     | 2026.4.8         | 2027.4.7         | 1 year             |
| 5    | Bilog Antenna               | ETS          | 3142E       | 00214344   | 2024.6.1         | 2027.5.30        | 3 year             |
| 6    | 50Ω Coaxial Switch          | Anritsu      | MP59B       | 6200983705 | 2024.04.26       | 2027.04.25       | 3 year             |
| 7    | Horn Antenna                | EM           | EM-AH-10180 | 2011071402 | 2024.05.12       | 2027.05.11       | 3 year             |
| 8    | Active Loop Antenna         | SCHWARZBECK  | FMZB 1519B  | 055        | 2024.05.17       | 2027.05.16       | 3 year             |
| 9    | LF Cable                    | N/A          | R-03        | N/A        | 2024.4.25        | 2027.4.24        | 3 year             |
| 10   | MXG Vector Signal Generator | Agilent      | N5182A      | MY47070317 | 2026.4.8         | 2027.4.7         | 1 year             |
| 11   | Test Cable (9KHz-30MHz)     | N/A          | R-01        | N/A        | 2024.4.25        | 2027.4.24        | 3 year             |
| 12   | Test Cable (30MHz-1GHz)     | N/A          | R-02        | N/A        | 2024.4.25        | 2027.4.24        | 3year              |

### AC Conduction Test equipment

| Item | Kind of Equipment       | Manufacturer | Type No.  | Serial No. | Last calibration | Calibrated until | Calibration period |
|------|-------------------------|--------------|-----------|------------|------------------|------------------|--------------------|
| 1    | Test Receiver           | R&S          | ESCI      | 101160     | 2026.4.8         | 2027.4.7         | 1 year             |
| 2    | LISN                    | R&S          | ENV216    | 101313     | 2026/4/8         | 2027.4.7         | 1 year             |
| 3    | LISN                    | SCHWARZBECK  | NNLK 8129 | 8129245    | 2026/4/8         | 2027.4.7         | 1 year             |
| 4    | 50Ω Coaxial Switch      | ANRITSU CORP | MP59B     | 6200983704 | 2024.04.26       | 2027.04.25       | 3 year             |
| 5    | Test Cable (9KHz-30MHz) | N/A          | C01       | N/A        | 2024.4.25        | 2027.4.24        | 3 year             |
| 6    | Test Cable (9KHz-30MHz) | N/A          | C02       | N/A        | 2024.4.25        | 2027.4.24        | 3 year             |
| 7    | Test Cable (9KHz-30MHz) | N/A          | C03       | N/A        | 2024.4.25        | 2027.4.24        | 3 year             |

#### Note:

1. We will use the temporary antenna connector (soldered on the PCB board) When conducted test And this temporary antenna connector is listed within the instrument list
2. Each piece of equipment is scheduled for calibration once a year except the Test Cable& Aux Equipment which is scheduled for calibration every 3 years.

### **3. ANTENNA REQUIREMENT**

#### **3.1 STANDARD REQUIREMENT**

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

#### **3.2 EUT ANTENNA**

The EUT antenna is permanent attached antenna. It comply with the standard requirement.

## 4. EMC EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

#### 4.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

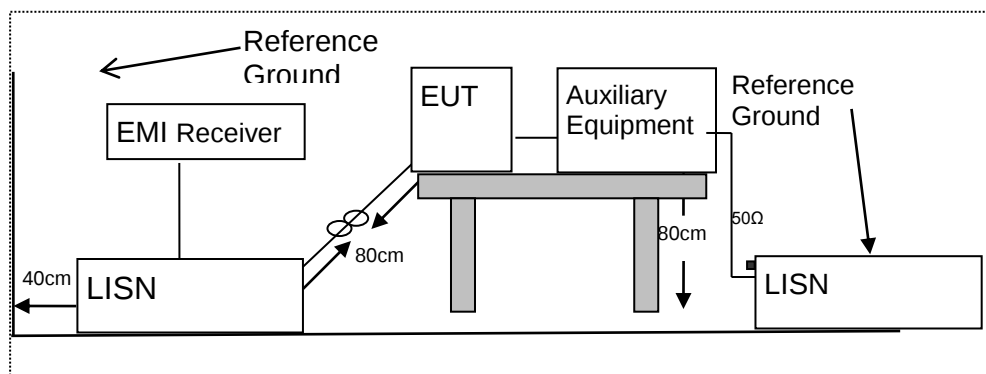
| Frequency(MHz) | Conducted Emission Limit |         |
|----------------|--------------------------|---------|
|                | Quasi-peak               | Average |
| 0.15-0.5       | 66-56*                   | 56-46*  |
| 0.5-5.0        | 56                       | 46      |
| 5.0-30.0       | 60                       | 50      |

Note: 1. \*Decreases with the logarithm of the frequency

2. The lower limit shall apply at the transition frequencies

3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

#### 4.1.2 TEST CONFIGURATION



#### 4.1.3 TEST PROCEDURE

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
2. The EUT was placed on a table which is 0.8m above ground plane.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
6. LISN at least 80 cm from nearest part of EUT chassis.
7. The frequency range from 150KHz to 30MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
9. For the actual test configuration, please refer to the related Item –EUT Test Photos.

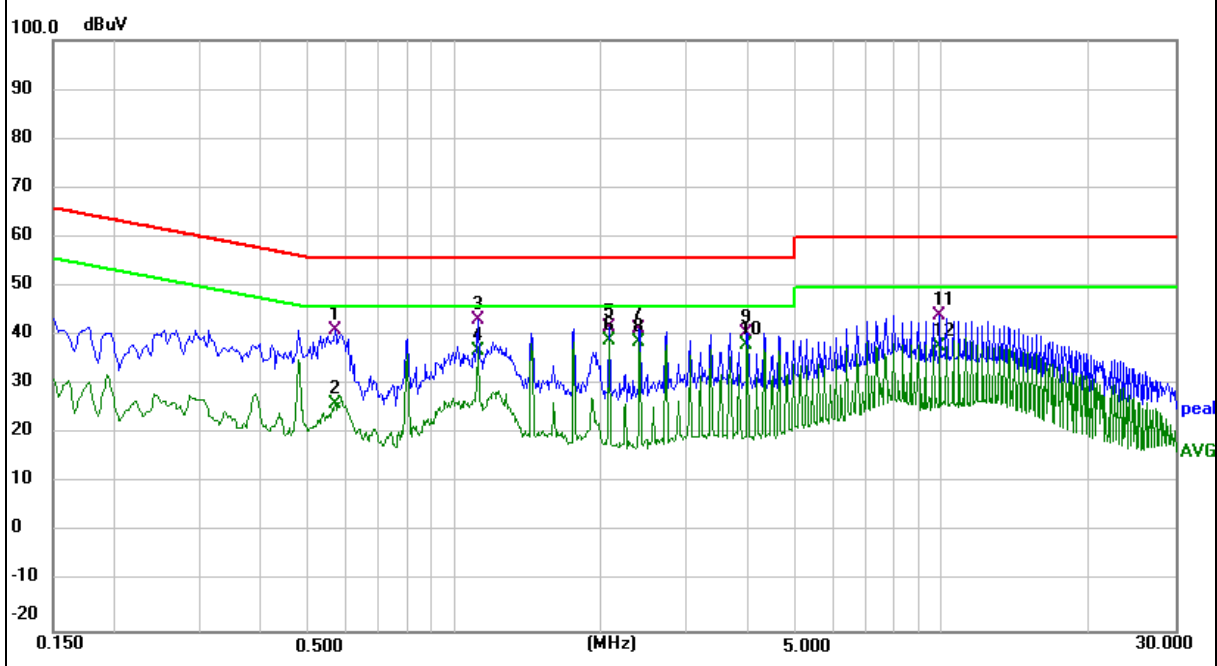
## 4.1.4 TEST RESULT

|                |                                  |                     |        |
|----------------|----------------------------------|---------------------|--------|
| EUT :          | Magnetic wireless charging stand | Model Name :        | K700   |
| Temperature :  | 25.6 °C                          | Relative Humidity : | 59.4%  |
| Pressure :     | 1010hPa                          | Phase :             | L      |
| Test Voltage : | DC 9V from Adapter AC 120V/60Hz  | Test Mode :         | Mode 1 |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Remark |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz)     | (dBμV)        | (dB)           | (dBμV)       | (dBμV) | (dB)   |        |
| 0.5700    | 21.82         | 19.50          | 41.32        | 56.00  | -14.68 | QP     |
| 0.5700    | 6.75          | 19.50          | 26.25        | 46.00  | -19.75 | AVG    |
| 1.1140    | 23.70         | 19.52          | 43.22        | 56.00  | -12.78 | QP     |
| 1.1140    | 17.50         | 19.52          | 37.02        | 46.00  | -8.98  | AVG    |
| 2.0700    | 22.35         | 19.53          | 41.88        | 56.00  | -14.12 | QP     |
| 2.0700    | 19.57         | 19.53          | 39.10        | 46.00  | -6.90  | AVG    |
| 2.3900    | 21.94         | 19.54          | 41.48        | 56.00  | -14.52 | QP     |
| 2.3900    | 19.22         | 19.54          | 38.76        | 46.00  | -7.24  | AVG    |
| 3.9820    | 21.19         | 19.55          | 40.74        | 56.00  | -15.26 | QP     |
| 3.9820    | 18.56         | 19.55          | 38.11        | 46.00  | -7.89  | AVG    |
| 9.8780    | 24.54         | 19.66          | 44.20        | 60.00  | -15.80 | QP     |
| 9.8780    | 18.31         | 19.66          | 37.97        | 50.00  | -12.03 | AVG    |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

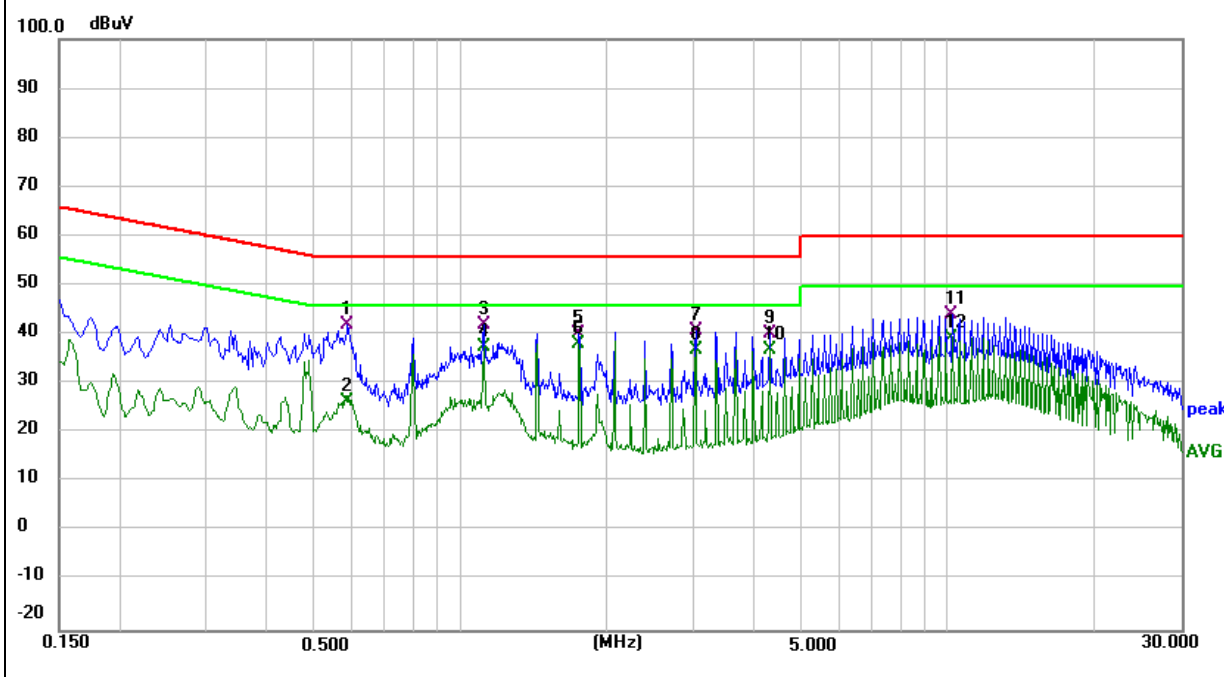


|                |                                  |                     |        |
|----------------|----------------------------------|---------------------|--------|
| EUT :          | Magnetic wireless charging stand | Model Name :        | K700   |
| Temperature :  | 25.6 °C                          | Relative Humidity : | 59.4%  |
| Pressure :     | 1010hPa                          | Phase :             | N      |
| Test Voltage : | DC 9V from Adapter AC 120V/60Hz  | Test Mode :         | Mode 1 |

| Frequency<br>(MHz) | Reading Level<br>(dBμV) | Correct Factor<br>(dB) | Measure-ment<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark |
|--------------------|-------------------------|------------------------|------------------------|------------------|----------------|--------|
| 0.5860             | 22.67                   | 19.53                  | 42.20                  | 56.00            | -13.80         | QP     |
| 0.5860             | 7.00                    | 19.53                  | 26.53                  | 46.00            | -19.47         | AVG    |
| 1.1140             | 22.51                   | 19.52                  | 42.03                  | 56.00            | -13.97         | QP     |
| 1.1140             | 18.14                   | 19.52                  | 37.66                  | 46.00            | -8.34          | AVG    |
| 1.7500             | 20.75                   | 19.50                  | 40.25                  | 56.00            | -15.75         | QP     |
| 1.7500             | 18.70                   | 19.50                  | 38.20                  | 46.00            | -7.80          | AVG    |
| 3.0260             | 21.38                   | 19.61                  | 40.99                  | 56.00            | -15.01         | QP     |
| 3.0260             | 17.51                   | 19.61                  | 37.12                  | 46.00            | -8.88          | AVG    |
| 4.2980             | 20.65                   | 19.58                  | 40.23                  | 56.00            | -15.77         | QP     |
| 4.2980             | 17.49                   | 19.58                  | 37.07                  | 46.00            | -8.93          | AVG    |
| 10.1899            | 24.50                   | 19.64                  | 44.14                  | 60.00            | -15.86         | QP     |
| 10.1899            | 19.66                   | 19.64                  | 39.30                  | 50.00            | -10.70         | AVG    |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



## 4.2 RADIATED EMISSION MEASUREMENT

### 4.2.1 Radiated Emission Limits (FCC 15.209)

| Frequencies (MHz) | Field Strength (microvolt/meter) | Measurement Distance (meters) |
|-------------------|----------------------------------|-------------------------------|
| 0.009~0.490       | 2400/F(KHz)                      | 300                           |
| 0.490~1.705       | 24000/F(KHz)                     | 30                            |
| 1.705~30.0        | 30                               | 30                            |
| 30~88             | 100                              | 3                             |
| 88~216            | 150                              | 3                             |
| 216~960           | 200                              | 3                             |
| Above 960         | 500                              | 3                             |

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

According to FCC Part15.205, Restricted bands

| MHz               | MHz                 | MHz           | GHz         |
|-------------------|---------------------|---------------|-------------|
| 0.090-0.110       | 16.42-16.423        | 399.9-410     | 4.5-5.15    |
| 10.495-0.505      | 16.69475-16.69525   | 608-614       | 5.35-5.46   |
| 2.1735-2.1905     | 16.80425-16.80475   | 960-1240      | 7.25-7.75   |
| 4.125-4.128       | 25.5-25.67          | 1300-1427     | 8.025-8.5   |
| 4.17725-4.17775   | 37.5-38.25          | 1435-1626.5   | 9.0-9.2     |
| 4.20725-4.20775   | 73-74.6             | 1645.5-1646.5 | 9.3-9.5     |
| 6.215-6.218       | 74.8-75.2           | 1660-1710     | 10.6-12.7   |
| 6.26775-6.26825   | 123-138             | 2200-2300     | 14.47-14.5  |
| 8.291-8.294       | 149.9-150.05        | 2310-2390     | 15.35-16.2  |
| 8.362-8.366       | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4   |
| 8.37625-8.38675   | 156.7-156.9         | 2690-2900     | 22.01-23.12 |
| 8.41425-8.41475   | 162.0125-167.17     | 3260-3267     | 23.6-24.0   |
| 12.29-12.293      | 167.72-173.2        | 3332-3339     | 31.2-31.8   |
| 12.51975-12.52025 | 240-285             | 3345.8-3358   | 36.43-36.5  |
| 12.57675-12.57725 | 322-335.4           | 3600-4400     | (2)         |
| 13.36-13.41       |                     |               |             |

Notes:

- (1) Measurement was performed at an antenna to the closed point of EUT distance of meters.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of 15.205, and the emissions located in restricted bands also comply with 15.209 limit.
- (4) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector

| Spectrum Parameter                    | Setting               |
|---------------------------------------|-----------------------|
| Attenuation                           | Auto                  |
| Start Frequency                       | 1000 MHz              |
| Stop Frequency                        | 10th carrier harmonic |
| RB / VB (emission in restricted band) | 1MHz / 1MHz for Peak  |

| Receiver Parameter     | Setting                          |
|------------------------|----------------------------------|
| Attenuation            | Auto                             |
| Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP    |
| Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP    |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |

#### 4.2.2 TEST PROCEDURE

- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz And above 1GHz,
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

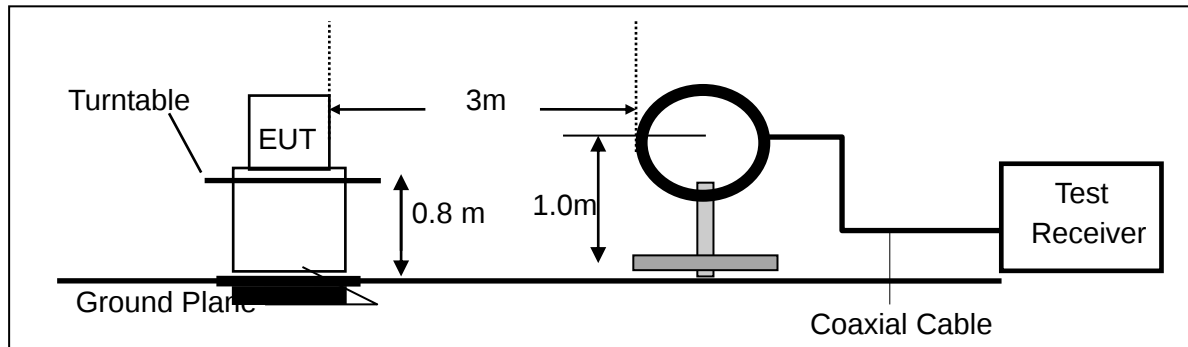
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

#### 4.2.3 DEVIATION FROM TEST STANDARD

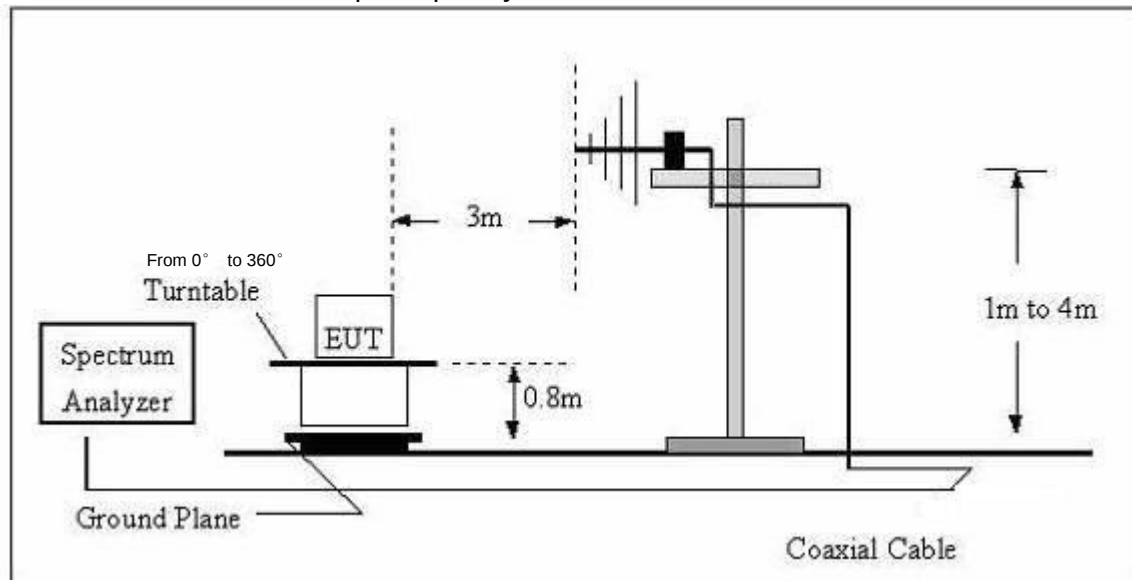
No deviation

#### 4.2.4 TEST SETUP

(a) For radiated emissions below 30MHz



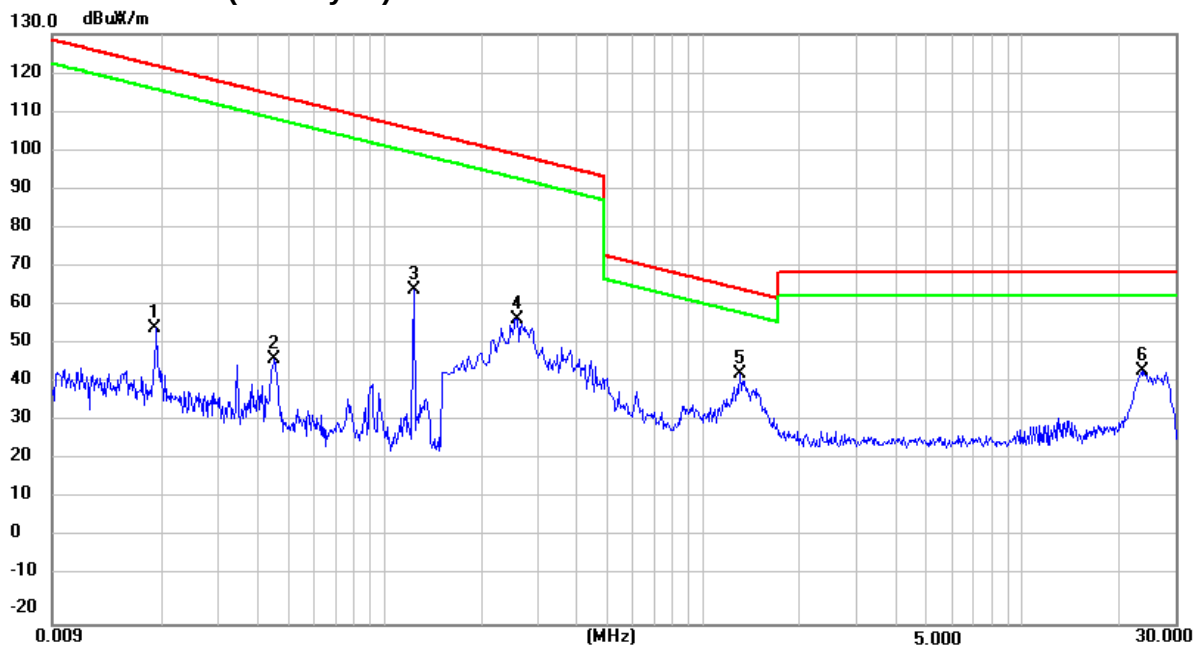
(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



## 4.2.5 TEST RESULTS (BELOW 30MHz)

|               |                                  |                     |                                 |
|---------------|----------------------------------|---------------------|---------------------------------|
| EUT :         | Magnetic wireless charging stand | Model Name :        | K700                            |
| Temperature : | 25.7 °C                          | Relative Humidity : | 49.6%                           |
| Pressure :    | 1010 hPa                         | Test Voltage :      | DC 9V from Adapter AC 120V/60Hz |
| Test Mode :   | Mode 1                           |                     |                                 |

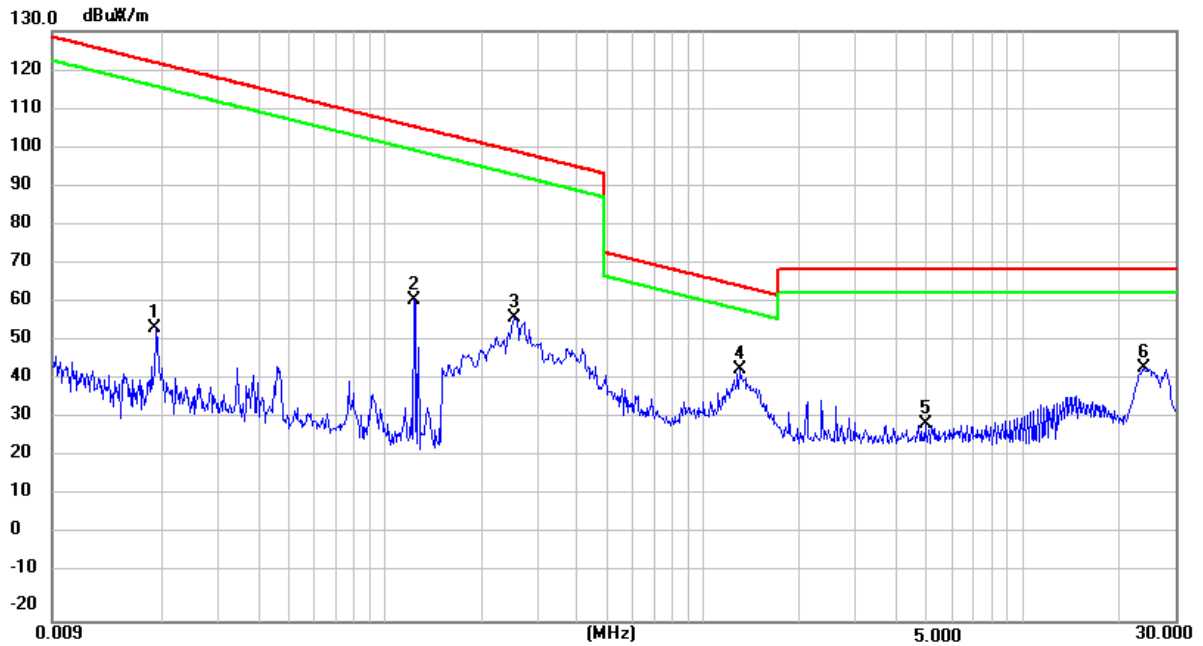
## Measurement Plot (Polarity: X):



## Measurement Result:

| Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----------------|----------------|-------------|----------------|----------------|-------------|------|
| 0.0190          | 35.52          | 19.82       | 55.34          | 122.03         | -66.69      | peak |
| 0.0450          | 27.42          | 19.96       | 47.38          | 114.54         | -67.16      | peak |
| 0.1230          | 44.59          | 20.66       | 65.25          | 105.81         | -40.56      | peak |
| 0.2580          | 36.53          | 21.00       | 57.53          | 99.37          | -41.84      | peak |
| 1.2980          | 20.78          | 23.04       | 43.82          | 65.34          | -21.52      | peak |
| 23.6860         | 23.76          | 20.82       | 44.58          | 69.54          | -24.96      | peak |

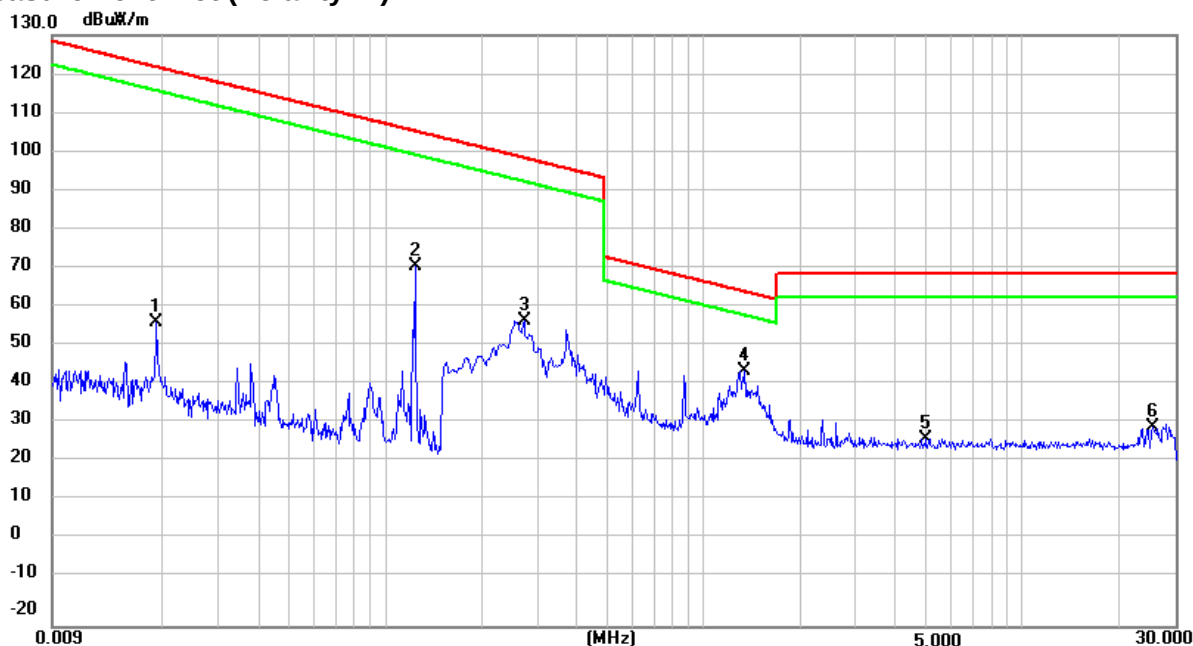
## Measurement Plot (Polarity: Y):



## Measurement Result:

| Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----------------|----------------|-------------|----------------|----------------|-------------|------|
| 0.0190          | 34.89          | 19.82       | 54.71          | 122.03         | -67.32      | peak |
| 0.1230          | 41.04          | 20.66       | 61.70          | 105.81         | -44.11      | peak |
| 0.2540          | 36.32          | 20.98       | 57.30          | 99.51          | -42.21      | peak |
| 1.2900          | 20.99          | 23.02       | 44.01          | 65.39          | -21.38      | peak |
| 4.9340          | 0.17           | 30.31       | 30.48          | 69.54          | -39.06      | peak |
| 24.0500         | 23.77          | 20.80       | 44.57          | 69.54          | -24.97      | peak |

## Measurement Plot (Polarity: Z):



## Measurement Result:

| Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----------------|----------------|-------------|----------------|----------------|-------------|------|
| 0.0190          | 37.30          | 19.82       | 57.12          | 122.03         | -64.91      | peak |
| 0.1240          | 50.77          | 20.67       | 71.44          | 105.74         | -34.30      | peak |
| 0.2700          | 36.50          | 21.02       | 57.52          | 98.98          | -41.46      | peak |
| 1.3380          | 21.80          | 23.13       | 44.93          | 65.08          | -20.15      | peak |
| 4.9820          | -2.58          | 30.41       | 27.83          | 69.54          | -41.71      | peak |
| 25.6020         | 9.94           | 20.68       | 30.62          | 69.54          | -38.92      | peak |

## Note:

Below 30MHz, Pre-test the X, Y, Z axis to find X axis is worst case, so only record X axis test data.

X: Field strength which this device generates since the position of the loop antenna differ by 0 degrees.

Y: Field strength which this device generates since the position of the loop antenna differ by 90 degrees.

Z: Field strength which this device generates since the position of the loop antenna differ by 180 degrees

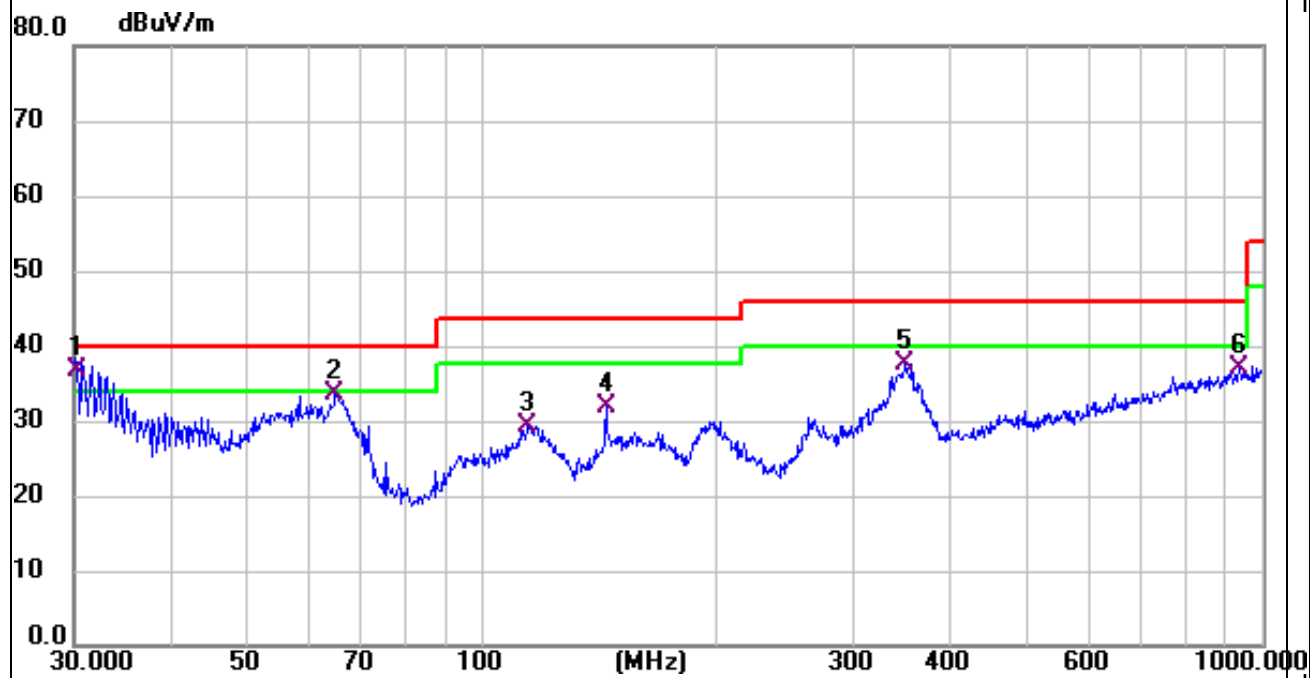
## 4.2.6 TEST RESULTS (BETWEEN 30 – 1000 MHZ)

|               |                                  |                     |                                 |
|---------------|----------------------------------|---------------------|---------------------------------|
| EUT :         | Magnetic wireless charging stand | Model Name :        | K700                            |
| Temperature : | 23 °C                            | Relative Humidity : | 58.4%                           |
| Pressure :    | 1010 hPa                         | Test Voltage :      | DC 9V from Adapter AC 120V/60Hz |
| Test Mode :   | Mode 1                           | Polarization :      | Vertical                        |

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>(dB) | Measurement<br>(dBμV/m) | Limit<br>(dBμV/m) | Over<br>(dB) | Detector |
|--------------------|---------------------|----------------|-------------------------|-------------------|--------------|----------|
| 30.305             | 19.56               | 17.02          | 36.58                   | 40.00             | -3.42        | QP       |
| 64.887             | 15.57               | 17.87          | 33.44                   | 40.00             | -6.56        | QP       |
| 114.515            | 12.11               | 17.22          | 29.33                   | 43.50             | -14.17       | QP       |
| 144.335            | 17.13               | 14.82          | 31.95                   | 43.50             | -11.55       | QP       |
| 349.250            | 16.00               | 21.68          | 37.68                   | 46.00             | -8.32        | QP       |
| 935.546            | 6.27                | 30.63          | 36.90                   | 46.00             | -9.10        | QP       |

Remark:

Factor = Antenna Factor + Cable Loss.

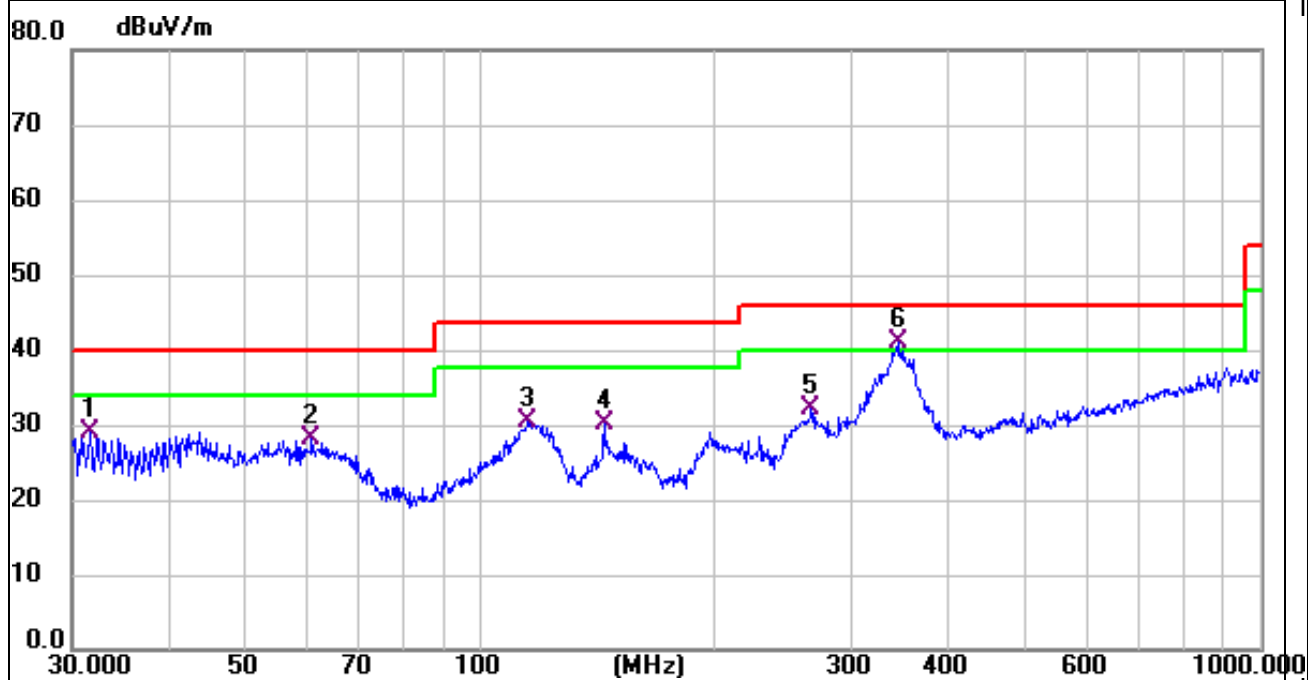


|               |                                  |                     |                                 |
|---------------|----------------------------------|---------------------|---------------------------------|
| EUT :         | Magnetic wireless charging stand | Model Name :        | K700                            |
| Temperature : | 23 °C                            | Relative Humidity : | 58.4%                           |
| Pressure :    | 1010 hPa                         | Test Voltage :      | DC 9V from Adapter AC 120V/60Hz |
| Test Mode :   | Mode 1                           | Polarization :      | Horizontal                      |

| Frequency<br>(MHz) | Reading<br>(dB $\mu$ V/m) | Factor<br>(dB) | Measurement<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Over<br>(dB) | Detector |
|--------------------|---------------------------|----------------|-------------------------------|-------------------------|--------------|----------|
| 31.620             | 12.05                     | 17.01          | 29.06                         | 40.00                   | -10.94       | QP       |
| 60.918             | 9.19                      | 18.87          | 28.06                         | 40.00                   | -11.94       | QP       |
| 115.321            | 13.15                     | 17.15          | 30.30                         | 43.50                   | -13.20       | QP       |
| 144.335            | 15.23                     | 14.82          | 30.05                         | 43.50                   | -13.45       | QP       |
| 265.676            | 12.18                     | 19.86          | 32.04                         | 46.00                   | -13.96       | QP       |
| 343.180            | 19.27                     | 21.79          | 41.06                         | 46.00                   | -4.94        | QP       |

Remark:

Factor = Antenna Factor + Cable Loss.



## 5. BANDWIDTH TEST

### 5.1 TEST PROCEDURE

- 1). The transmitter output (antenna port) was connected to the spectrum analyzer in peak mode.
- 2). The 20dB bandwidth Set value:  
RBW = 1%-5% of occupied bandwidth  
VBW=3\*RBW
- 3). Measured the spectrum width with power higher than 20dB below carrier.

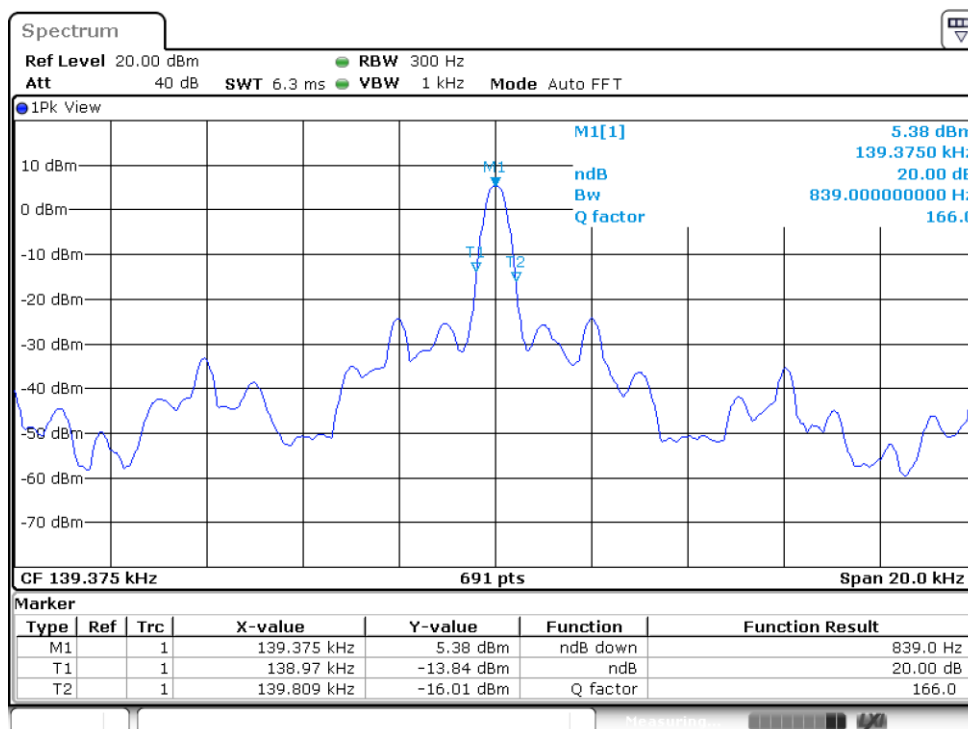
### 5.2 TEST SETUP



## 5.1 TEST RESULTS

|               |                                  |                     |                                 |
|---------------|----------------------------------|---------------------|---------------------------------|
| EUT :         | Magnetic wireless charging stand | Model Name :        | K700                            |
| Temperature : | 26.3℃                            | Relative Humidity : | 51.4%                           |
| Pressure :    | 1020 hPa                         | Test Power :        | DC 9V from Adapter AC 120V/60Hz |
| Test Mode :   | TX (0.111 MHz -0.205MHz)         |                     |                                 |

|           |                 |                        |
|-----------|-----------------|------------------------|
| Test Mode | Frequency (MHz) | 20 dBc Bandwidth (kHz) |
| Mode 1    | 0.139375        | 0.839                  |



END REPORT