



# **FCC TEST REPORT**

**Test report  
On Behalf of  
Shenzhen Lingyi Innovation Tech Co., Ltd  
For  
MagBar  
Model No.: MB1001  
FCC ID: 2ARI5-MB1001**

**Prepared for :** Shenzhen Lingyi Innovation Tech Co., Ltd  
12 F, Block C, Central Avenue Building, Xixiang BLVD West, Baoan District,  
Shenzhen, China

**Prepared By :** Shenzhen HUAKE Testing Technology Co., Ltd.  
1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai Street,  
Bao'an District, Shenzhen City, China

**Date of Test:** June 18, 2019 ~ June 27, 2019

**Date of Report:** June 27, 2019

**Report Number:** HK1906171345-1E



## TEST RESULT CERTIFICATION

**Applicant's name** ..... : Shenzhen Lingyi Innovation Tech Co., Ltd

**Address** ..... : 12 F, Block C, Central Avenue Building, Xixiang BLVD West,  
Baoan District, Shenzhen, China

**Manufacture's Name**..... : Shenzhen Lingyi Innovation Tech Co., Ltd

**Address** ..... : 12 F, Block C, Central Avenue Building, Xixiang BLVD West,  
Baoan District, Shenzhen, China

### Product description

**Trade Mark:**



**Product name** ..... : MagBar

**Model and/or type reference** : MB1001

**Standards** ..... : FCC Rules and Regulations Part 15 Subpart C (Section 15.209),  
ANSI C63.10: 2013

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen HUAKE Testing Technology Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen HUAKE Testing Technology Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

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

**Date (s) of performance of tests** ..... : June 18, 2019 ~ June 27, 2019

**Date of Issue**..... : June 27, 2019

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

**Testing Engineer** :

(Gary Qian)

**Technical Manager** :

(Eden Hu)

**Authorized Signatory** :

(Jason Zhou)



| <b>Table of Contents</b>                | <b>Page</b> |
|-----------------------------------------|-------------|
| 1 . TEST SUMMARY                        | 4           |
| 1.1 TEST PROCEDURES AND RESULTS         | 4           |
| 1.2 TEST FACILITY                       | 4           |
| 1.3 MEASUREMENT UNCERTAINTY             | 4           |
| 2. GENERAL INFORMATION                  | 5           |
| 2.1 General Description of EUT          | 5           |
| 2.2. Carrier Frequency of Channels      | 6           |
| 2.3 Operation of EUT during testing     | 6           |
| 2.4 Description of Test Setup           | 6           |
| 2.5 Measurement Instruments List        | 7           |
| 3. CONDUCTED EMISSION TEST              | 8           |
| 3.1 Block Diagram of Test Setup         | 8           |
| 3.2 Conducted Power Line Emission Limit | 8           |
| 3.3 Test Procedure                      | 8           |
| 3.4 Test Result                         | 8           |
| 4. Occupied Bandwidth                   | 11          |
| 4.1 Block Diagram of Test Setup         | 11          |
| 4.2 Rules and specifications            | 11          |
| 4.3 Test Procedure                      | 11          |
| 4.4 Test Result                         | 11          |
| 5. RADIA TED EMISSIONS                  | 13          |
| 5.1 Block Diagram of Test Setup         | 13          |
| 5.2 Rules and specifications            | 14          |
| 5.3 Test Procedure                      | 15          |
| 5.4 Test Result                         | 15          |
| 6 ANTENNA REQUIREMENT                   | 18          |
| 7. PHOTOGRAPH OF TEST                   | 19          |
| 7.1 Radiated Emission                   | 19          |
| 7.2 Conducted Emission                  | 20          |
| 8. PHOTOGRAPH OF TEST                   | 20          |



## 1. TEST SUMMARY

### 1.1 TEST PROCEDURES AND RESULTS

| DESCRIPTION OF TEST            | RESULT    |
|--------------------------------|-----------|
| CONDUCTED EMISSIONS TEST       | COMPLIANT |
| RADIATED EMISSION TEST         | COMPLIANT |
| OCCUPIED BANDWIDTH MEASUREMENT | COMPLIANT |
| ANTENNA REQUIREMENT            | COMPLIANT |

### 1.2 TEST FACILITY

Test Firm : Shenzhen HUAKE Testing Technology Co., Ltd.

Address 1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai Street, Bao'an District, Shenzhen City, China

### 1.3 MEASUREMENT UNCERTAINTY

|                                                       |               |
|-------------------------------------------------------|---------------|
| Measurement Uncertainty                               |               |
| Conducted Emission Expanded Uncertainty               | = 2.23dB, k=2 |
| Radiated emission expanded uncertainty(9kHz-30MHz)    | = 3.08dB, k=2 |
| Radiated emission expanded uncertainty(30MHz-1000MHz) | = 4.42dB, k=2 |
| Radiated emission expanded uncertainty(Above 1GHz)    | = 4.06dB, k=2 |



## 2. GENERAL INFORMATION

### 2.1 General Description of EUT

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| Equipment              | MagBar                                                                            |
| Model Name             | MB1001                                                                            |
| Serial No.             | N/A                                                                               |
| Model Difference       | N/A                                                                               |
| Trade Mark             |  |
| FCC ID                 | <b>2ARI5-MB1001</b>                                                               |
| Antenna Type           | Coil Antenna                                                                      |
| Antenna Gain           | 1dBi                                                                              |
| BT Operation frequency | 125KHz                                                                            |
| Number of Channels     | 1                                                                                 |
| Modulation Type        | ASK                                                                               |
| Power Source           | DC voltage                                                                        |
| Power Rating           | Input voltage: DC5V or DC9V/3A<br>Output voltage: DC5V 1A or DC9V 1.1A            |

**NOTE:**

This report is test result for ANT1, ANT2 test result see report: HK1906171345-3E.



## 2.2. Carrier Frequency of Channels

| Operation Frequency each of channel |           |
|-------------------------------------|-----------|
| Channel                             | Frequency |
| 1                                   | 125KHz    |

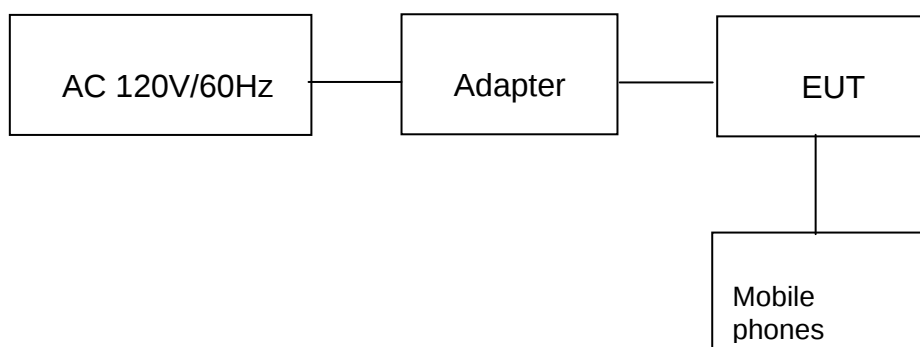
## 2.3 Operation of EUT during testing

Operating Mode

The mode is used: Transmitting mode

## 2.4 Description of Test Setup

Operation of EUT during testing



Setup: Transmission mode

- Adapter information  
Model: HW-059200CHQ  
Input: 100-240V~, 50/60Hz, 0.5A  
Output: 5VDC, 2A
- Mobile phones information  
Model: S6  
Input: 5VDC



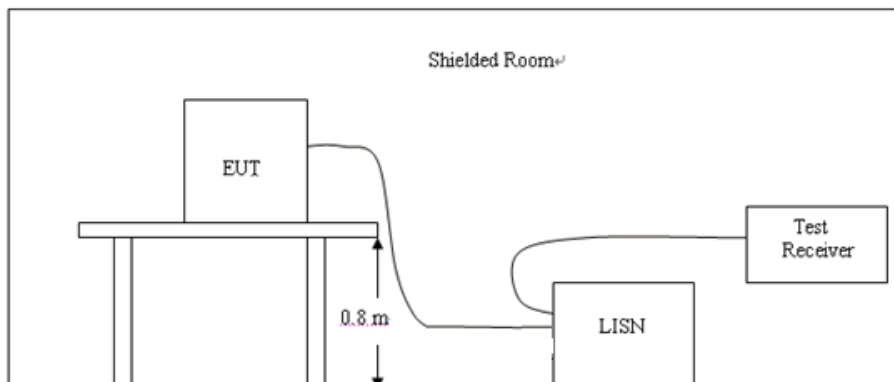
## 2.5 Measurement Instruments List

| Item | Equipment                         | Manufacturer    | Model No.        | Serial No. | Last Cal.     | Cal. Interval |
|------|-----------------------------------|-----------------|------------------|------------|---------------|---------------|
| 1.   | L.I.S.N. Artificial Mains Network | R&S             | ENV216           | HKE-002    | Dec. 27, 2018 | 1 Year        |
| 2.   | Receiver                          | R&S             | ESCI 7           | HKE-010    | Dec. 27, 2018 | 1 Year        |
| 3.   | RF automatic control unit         | Tonscend        | JS0806-2         | HKE-060    | Dec. 27, 2018 | 1 Year        |
| 4.   | Spectrum analyzer                 | R&S             | FSP40            | HKE-025    | Dec. 27, 2018 | 1 Year        |
| 5.   | Spectrum analyzer                 | Agilent         | N9020A           | HKE-048    | Dec. 27, 2018 | 1 Year        |
| 6.   | Preamplifier                      | Schwarzbeck     | BBV 9743         | HKE-006    | Dec. 27, 2018 | 1 Year        |
| 7.   | EMI Test Receiver                 | Rohde & Schwarz | ESCI 7           | HKE-010    | Dec. 27, 2018 | 1 Year        |
| 8.   | Bilog Broadband Antenna           | Schwarzbeck     | VULB9163         | HKE-012    | Dec. 27, 2018 | 1 Year        |
| 9.   | Loop Antenna                      | Schwarzbeck     | FMZB 1519 B      | HKE-014    | Dec. 27, 2018 | 1 Year        |
| 10.  | Horn Antenna                      | Schwarzbeck     | 9120D            | HKE-013    | Dec. 27, 2018 | 1 Year        |
| 11.  | Pre-amplifier                     | EMCI            | EMC051845 SE     | HKE-015    | Dec. 27, 2018 | 1 Year        |
| 12.  | Pre-amplifier                     | Agilent         | 83051A           | HKE-016    | Dec. 27, 2018 | 1 Year        |
| 13.  | EMI Test Software EZ-EMC          | Tonscend        | JS1120-B Version | HKE-083    | Dec. 27, 2018 | N/A           |
| 14.  | Power Sensor                      | Agilent         | E9300A           | HKE-086    | Dec. 27, 2018 | 1 Year        |
| 15.  | Spectrum analyzer                 | Agilent         | N9020A           | HKE-048    | Dec. 27, 2018 | 1 Year        |
| 16.  | Signal generator                  | Agilent         | N5182A           | HKE-029    | Dec. 27, 2018 | 1 Year        |
| 17.  | Signal Generator                  | Agilent         | 83630A           | HKE-028    | Dec. 27, 2018 | 1 Year        |
| 18.  | Shielded room                     | Shiel Hong      | 4*3*3            | HKE-039    | Dec. 27, 2017 | 3 Year        |



### 3. CONDUCTED EMISSION TEST

#### 3.1 Block Diagram of Test Setup



#### 3.2 Conducted Power Line Emission Limit

According to FCC Part 15.207(a)

| Frequency<br>(MHz) | Maximum RF Line Voltage (dBμV) |      |         |        |
|--------------------|--------------------------------|------|---------|--------|
|                    | CLASS A                        |      | CLASS B |        |
|                    | Q.P.                           | Ave. | Q.P.    | Ave.   |
| 0.15 - 0.50        | 79                             | 66   | 66-56*  | 56-46* |
| 0.50 - 5.00        | 73                             | 60   | 56      | 46     |
| 5.00 - 30.0        | 73                             | 60   | 60      | 50     |

\* Decreasing linearly with the logarithm of the frequency

For intentional device, according to §15.207 Line Conducted Emission Limit is same as above table.

#### 3.3 Test Procedure

- 1, The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
- 2, Support equipment, if needed, was placed as per ANSI C63.10.
- 3, All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4, If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5, All support equipments received AC power from a second LISN, if any.
- 6, The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7, Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes

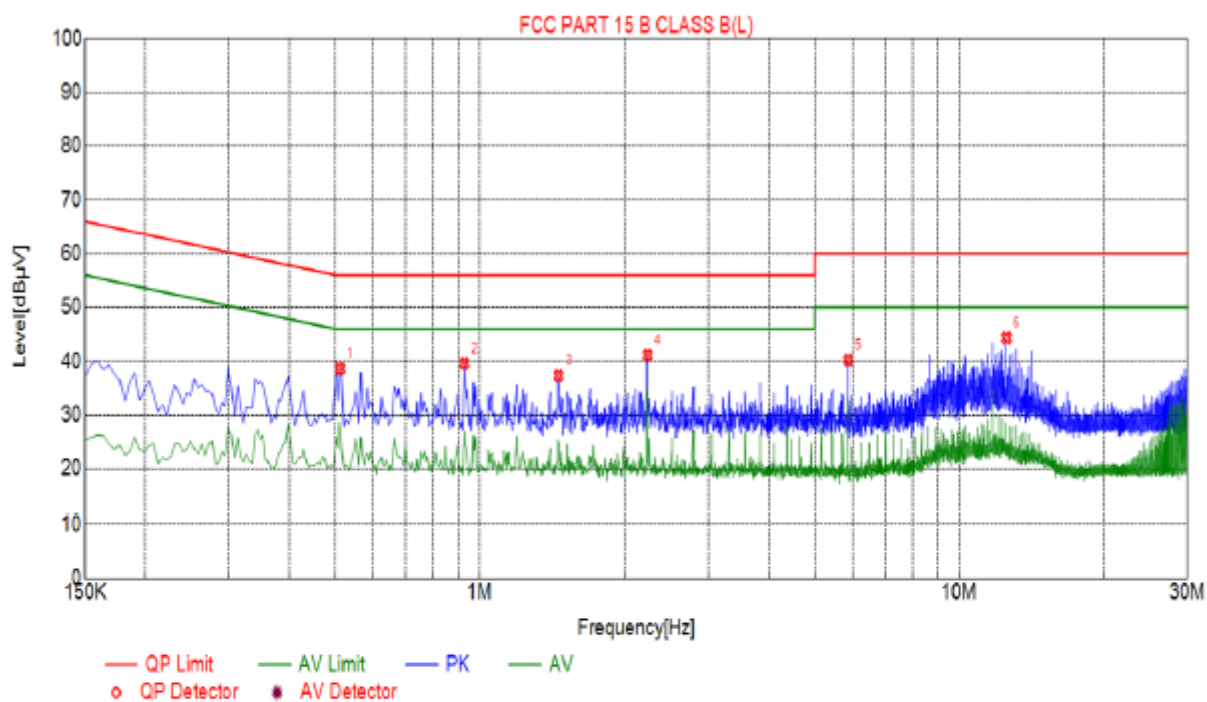
#### 3.4 Test Result

PASS



**Remark: We tested the voltage in 5V/9V DC, the worst case was recorded.  
Please refer to following diagram for individual**

Test Specification: Line

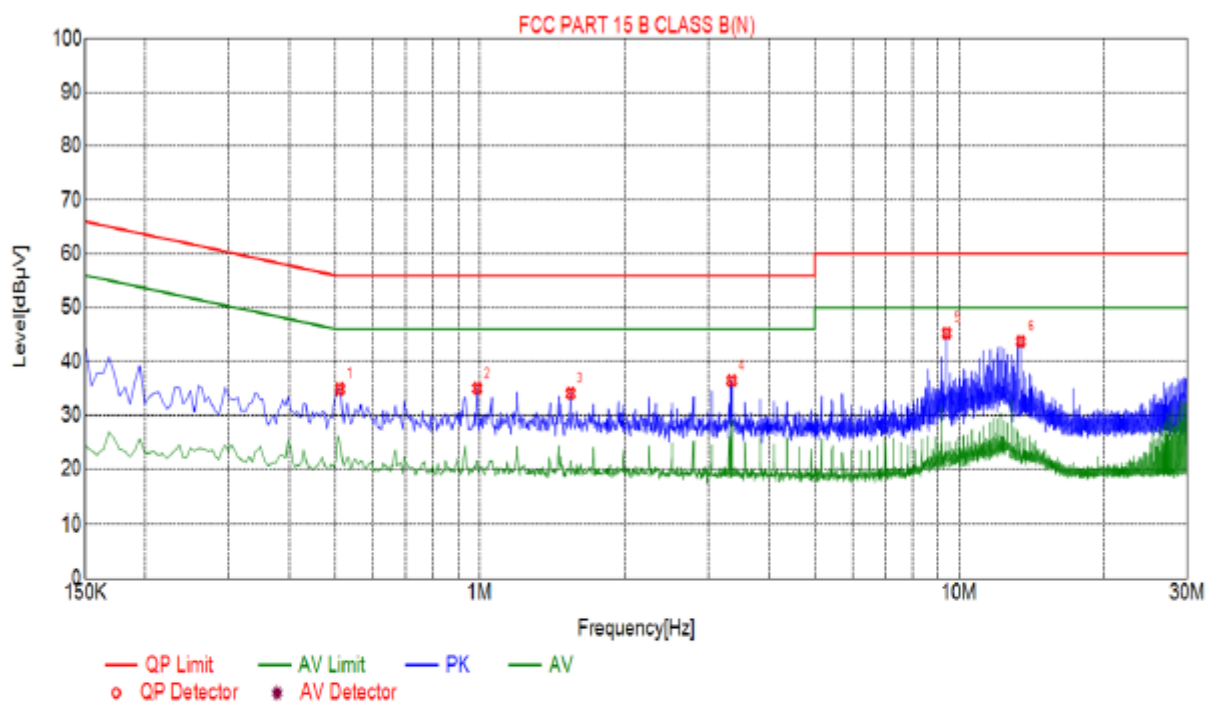


| Suspected List |                |                 |                |                 |                |          |
|----------------|----------------|-----------------|----------------|-----------------|----------------|----------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBμV] | Factor<br>[dB] | Limit<br>[dBμV] | Margin<br>[dB] | Detector |
| 1              | 0.5100         | 38.59           | 10.04          | 56.00           | 17.41          | PK       |
| 2              | 0.9285         | 39.60           | 10.06          | 56.00           | 16.40          | PK       |
| 3              | 1.4595         | 37.30           | 10.10          | 56.00           | 18.70          | PK       |
| 4              | 2.2380         | 41.14           | 10.17          | 56.00           | 14.86          | PK       |
| 5              | 5.8695         | 40.19           | 10.24          | 60.00           | 19.81          | PK       |
| 6              | 12.5520        | 44.32           | 9.98           | 60.00           | 15.68          | PK       |

Remark: Transd = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level



## Test Specification: Neutral



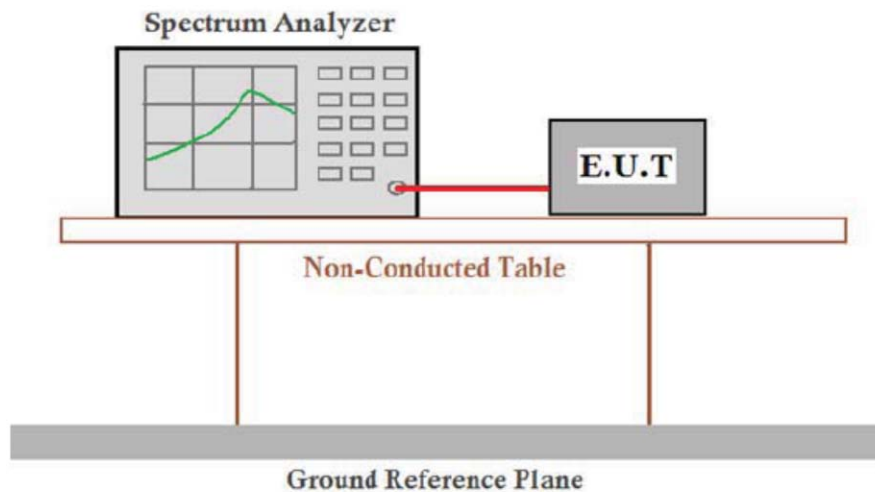
| Suspected List |                |                 |                |                 |                |          |
|----------------|----------------|-----------------|----------------|-----------------|----------------|----------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBμV] | Factor<br>[dB] | Limit<br>[dBμV] | Margin<br>[dB] | Detector |
| 1              | 0.5100         | 34.87           | 10.04          | 56.00           | 21.13          | PK       |
| 2              | 0.9870         | 34.97           | 10.06          | 56.00           | 21.03          | PK       |
| 3              | 1.5450         | 34.06           | 10.11          | 56.00           | 21.94          | PK       |
| 4              | 3.3540         | 36.44           | 10.24          | 56.00           | 19.56          | PK       |
| 5              | 9.4290         | 45.27           | 10.09          | 60.00           | 14.73          | PK       |
| 6              | 13.4655        | 43.69           | 9.96           | 60.00           | 16.31          | PK       |

Remark: Transd = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level



#### 4. Occupied Bandwidth

##### 4.1 Block Diagram of Test Setup



##### 4.2 Rules and specifications

CFR 47 Part 15.215(c)

ANSI C63.10-2013

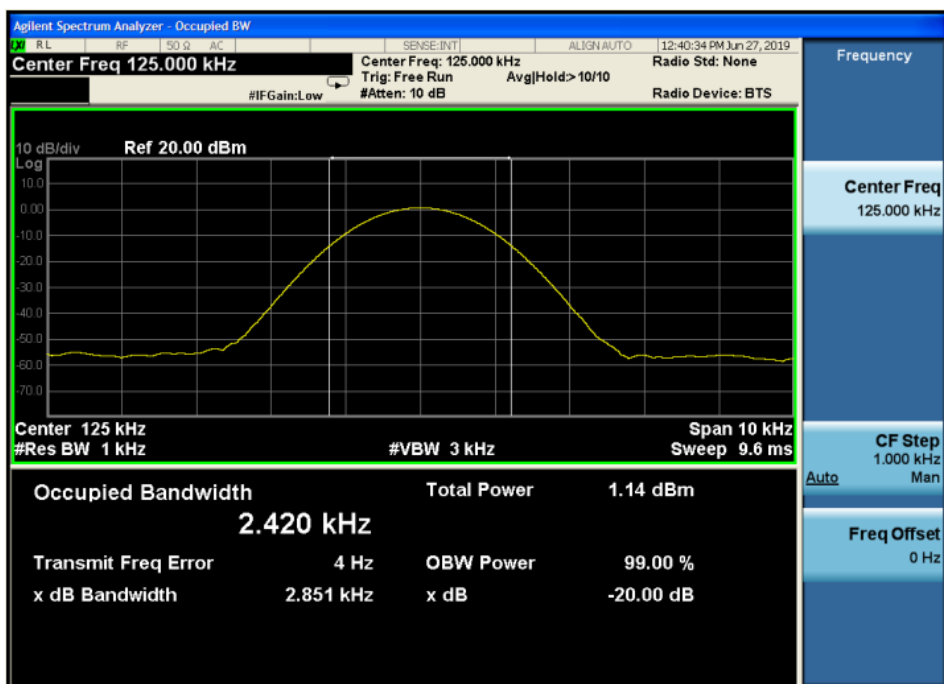
##### 4.3 Test Procedure

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that 20dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equip compliance with the 20dB attenuation specification may base on measurement at the intentional radiator's antenna output terminal unless the intentional radiator uses a permanently attached antenna, in which case compliance shall be demonstrated by measuring the radiated emissions.

##### 4.4 Test Result

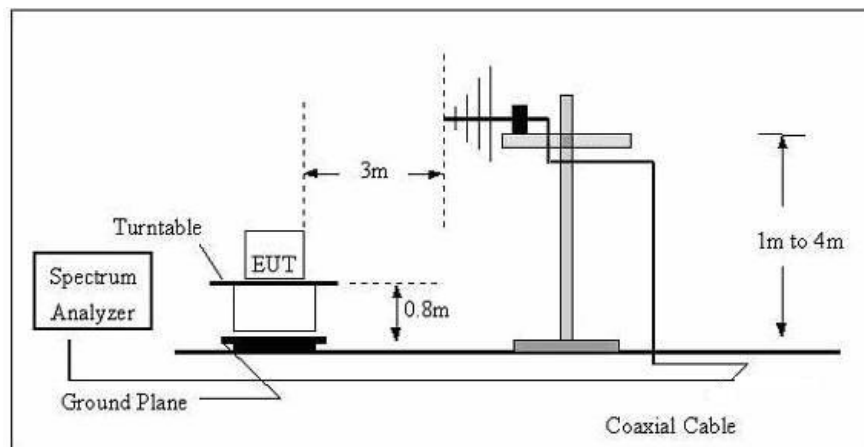
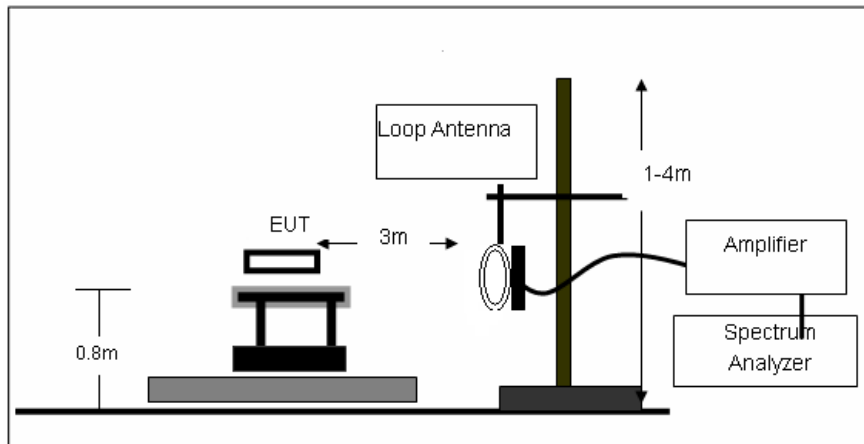
PASS

| Mode    | Freq (KHz) | 20dB Bandwidth (KHz) | Limit (kHz) | Conclusion |
|---------|------------|----------------------|-------------|------------|
| Tx Mode | 125        | 2.851                | /           | PASS       |



## 5. RADIA TED EMISSIONS

### 5.1 Block Diagram of Test Setup





## 5.2 Rules and specifications

### CFR 47 Part 15, section 15.205

Only spurious emissions are permitted in any of the frequency bands listed the tables in these sections.

| MHz               | MHz                 | MHz           | GHz         |
|-------------------|---------------------|---------------|-------------|
| 0.090-0.110       | 16.42-16.423        | 399.9-410     | 4.5-5.15    |
| 1\ 0.495-0.505    | 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   | 108-121.94          | 1718.8-1722.2 | 13.25-13.4  |
| 6.31175-6.31225   | 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       |                     |               |             |

### CFR 47 Part 15, section 15.209

The emissions from an intentional radiator shall not exceed the limits in the tables in these sections using an average detector

| Frequency (MHz) | Field strength (microvolts/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                             |

Limit calculation and transfer to 3m distance as showed in the following table:

| Frequency (MHz) | Limit (dBuV/m)                       | Distance (m) |
|-----------------|--------------------------------------|--------------|
| 0.009-0.490     | $20\log(2400/F(KHz))+40\log(300/3)$  | 3            |
| 0.490-1.705     | $20\log(24000/F(KHz))+40\log(300/3)$ | 3            |
| 1.705-30.0      | 69.5                                 | 3            |
| 30-88           | 40.0                                 | 3            |
| 88-216          | 43.5                                 | 3            |
| 216-960         | 46.0                                 | 3            |
| Above 960       | 54.0                                 | 3            |

### CFR 47 Part 15, section 15.35

When average radiated emission measurements are specified, the limit on the peak level of the radio Frequency emission is 20dB above the maximum permitted average emission limit.

| Transmitter Spurious Emissions 9KHz-30MHz |          |            |              |
|-------------------------------------------|----------|------------|--------------|
|                                           | 9-150KHz | 150-490KHz | 490KHz-30MHz |
| Resolution Bandwidth                      | 200Hz    | 9KHz       | 9KHz         |
| Video Bandwidth                           | 2KHz     | 100KHz     | 100KHz       |
| Detector                                  | Peak     | Peak       | Peak         |
| Trace Mode                                | Max Hold | Max Hold   | Max Hold     |
| Sweep Time                                | Auto     | Auto       | Auto         |



### 5.3 Test Procedure

Measurement distance 3m

For the measurement range up to 30MHz in the following plots the field strength result from 3m Distance measurement are extrapolated to 300m and 30m distance respectively, by 40dB/decade, According to part 15.31(f)(2), per antenna factor scaling.

Measurements below 1000MHz are performed with a peak detector and compared to average limits, Measurements with an average detector are not required.

Note:

For battery operated equipment, the equipment tests shall be performed using a new battery.

### 5.4 Test Result

PASS

For 9KHz-30MHz

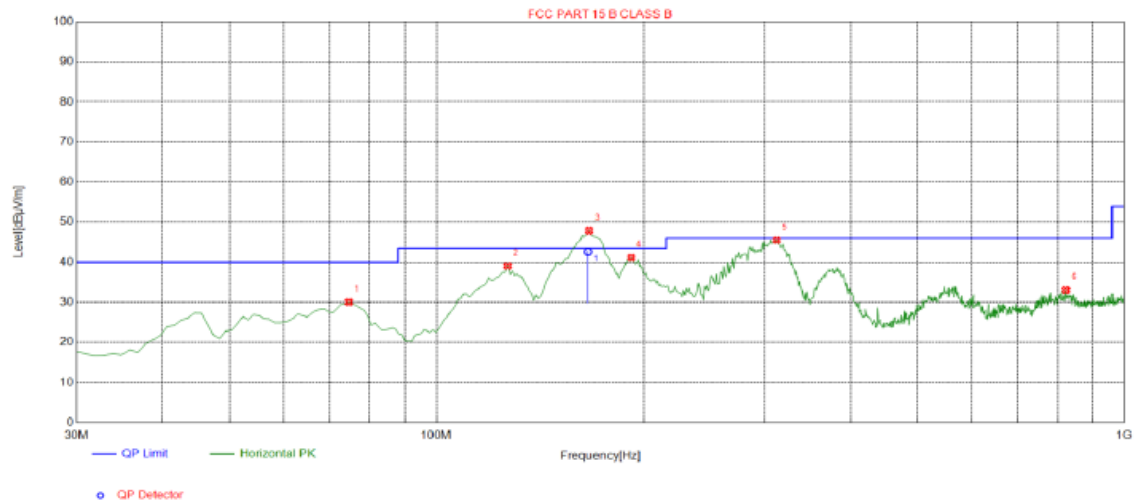
| Freq. (MHz) | Detector Mode (PK/QP) | Reading (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limits 3m (dBuV/m) | Margin (dBuV/m) |
|-------------|-----------------------|----------------|-------------|--------------------|--------------------|-----------------|
| 0.110       | Peak                  | 22.80          | 24.8        | 47.6               | 126.77             | 79.17           |
| 0.125       | Peak                  | 46.13          | 24.8        | 70.93              | 125.67             | 54.74           |
| 0.486       | Peak                  | 26.98          | 25.03       | 52.01              | 113.71             | 61.7            |
| 0.500       | Peak                  | 27.03          | 25.03       | 52.06              | 113.62             | 61.56           |



For 30MHz-1GHz

**Remark: We tested the voltage in 5V/9V DC, the worst case was recorded.  
Please refer to following diagram for individual**

Antenna polarity: H



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 74.6200     | 30.06          | -18.50      | 40.00          | 9.94        | 100         | 349       | Horizontal |
| 2   | 127.000     | 39.08          | -18.13      | 43.50          | 4.42        | 100         | 22        | Horizontal |
| 3   | 166.770     | 47.86          | -17.60      | 43.50          | -4.36       | 100         | 11        | Horizontal |
| 4   | 191.990     | 41.13          | -15.82      | 43.50          | 2.37        | 100         | 206       | Horizontal |
| 5   | 312.270     | 45.52          | -12.49      | 46.00          | 0.48        | 100         | 164       | Horizontal |
| 6   | 822.490     | 33.04          | -2.64       | 46.00          | 12.96       | 100         | 222       | Horizontal |

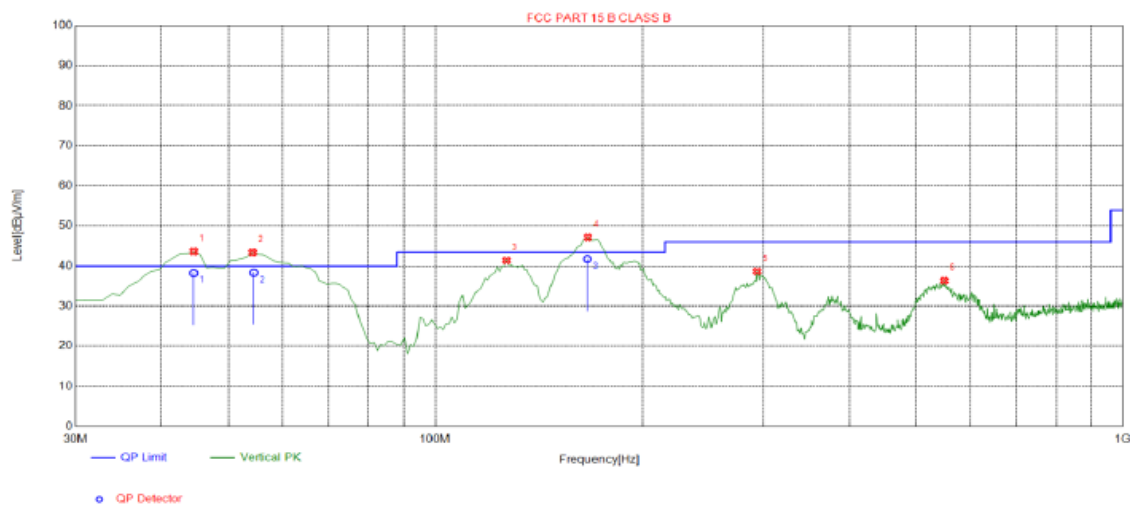
#### Final Data List

| NO. | Freq. [MHz] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|-------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| 1   | 166.122     | -17.65      | 42.61             | 43.50             | 0.89           | 120         | 14.3      | Horizontal |

Remark: Transd = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level



Antenna polarity: V

**Suspected List**

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 44.5500     | 43.60          | -13.73      | 40.00          | -3.60       | 100         | 215       | Vertical |
| 2   | 54.2500     | 43.35          | -14.29      | 40.00          | -3.35       | 100         | 311       | Vertical |
| 3   | 127.000     | 41.37          | -18.13      | 43.50          | 2.13        | 100         | 122       | Vertical |
| 4   | 166.770     | 47.13          | -17.60      | 43.50          | -3.63       | 100         | 141       | Vertical |
| 5   | 293.840     | 38.65          | -12.80      | 46.00          | 7.35        | 100         | 360       | Vertical |
| 6   | 549.920     | 36.36          | -6.96       | 46.00          | 9.64        | 100         | 212       | Vertical |

**Final Data List**

| NO. | Freq. [MHz] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|-------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| 1   | 44.5366     | -13.73      | 38.22             | 40.00             | 1.78           | 170         | 115.2     | Vertical |
| 2   | 54.4703     | -14.33      | 38.32             | 40.00             | 1.68           | 180         | 110.8     | Vertical |
| 3   | 166.439     | -17.63      | 41.71             | 43.50             | 1.79           | 160         | 170.8     | Vertical |

Remark: Transd = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

## 6 ANTENNA REQUIREMENT

### Standard Applicable

For intentional device, according to FCC 47 CFR Section 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.

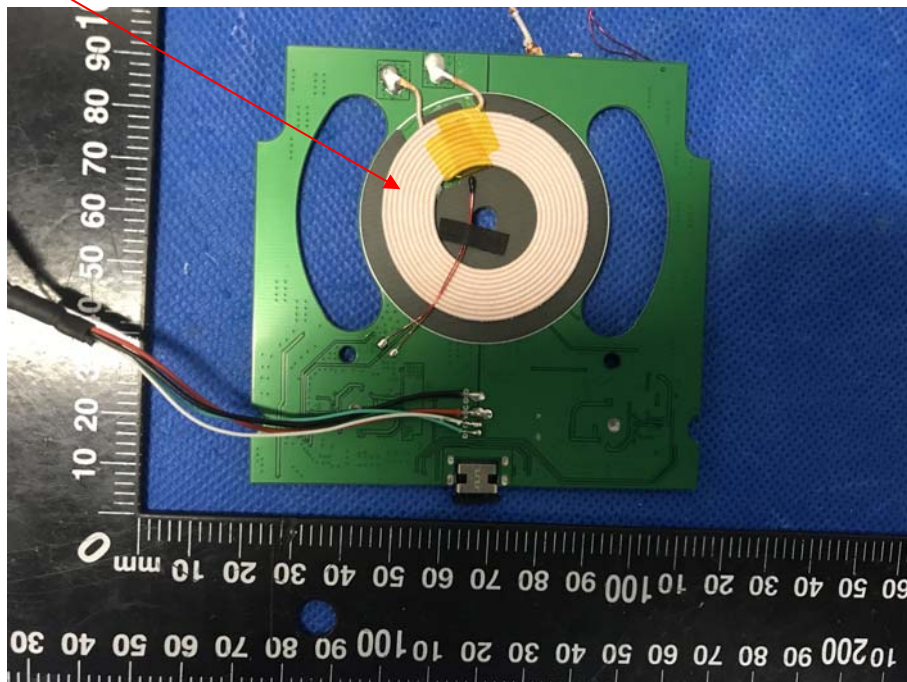
### Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

### Antenna Connected Construction

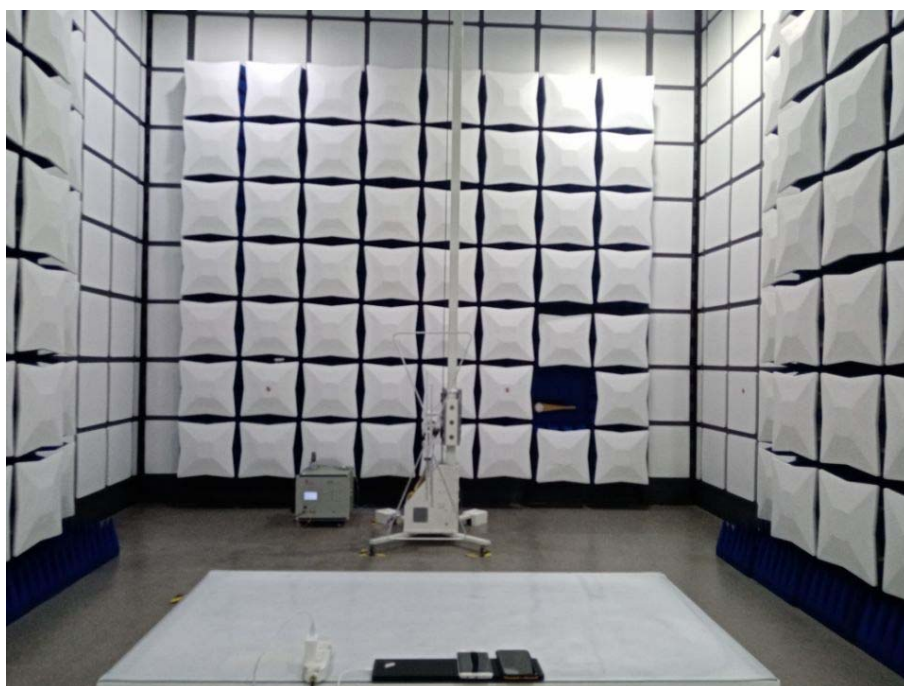
The antenna used in this product is a Coil Antenna, The directional gains of antenna used for transmitting is 1dBi.

### ANTENNA



## 7. PHOTOGRAPH OF TEST

### 7.1 Radiated Emission





## 7.2 Conducted Emission



## 8. PHOTOGRAPH OF TEST

Reference to the reporter : ANNEX A of external photos and ANNEX B of internal photos

-----End of test report-----