



**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

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Report No.: SZEM151200759301

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## **FCC Test Report**

**Application No.:** SZEM1512007593PS  
**Applicant:** Dong Guan Arun Industrial Co., Ltd  
**Manufacturer/Factory:** Dong Guan Arun Industrial Co., Ltd  
**Equipment Under Test (EUT):**  
**EUT Name:** WIRELESS CHARGER  
**Model No.:** WX0001  
**Trade Mark:** ABS, ARUN  
**FCC ID:** 2AHCLWX0001  
**Standards:** 47 CFR PART 18: 2015  
**Date of Receipt:** 2015-12-09  
**Date of Test:** 2015-12-30 to 2016-01-14  
**Date of Issue:** 2016-01-19

|                      |              |
|----------------------|--------------|
| <b>Test Result :</b> | <b>PASS*</b> |
|----------------------|--------------|

\* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Authorized Signature:



Jack Zhang  
EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

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## 2 Test Summary

| Test                                      | Test Requirement        | Test Method        | Class / Severity | Result |
|-------------------------------------------|-------------------------|--------------------|------------------|--------|
| Conducted Emission<br>(150 kHz to 30 MHz) | 47 CFR PART 18:<br>2015 | FCC OST/ MP-5:1986 | 18.307(a)        | Pass   |
| Radiated Emission<br>(9 kHz to 30MHz)     | 47 CFR PART 18:<br>2015 | FCC OST/ MP-5:1986 | 18.305(b)        | Pass   |



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## 4 General Information

### 4.1 Client Information

|                          |                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------|
| Applicant:               | Dong Guan Arun Industrial Co., Ltd                                                |
| Address of Applicant:    | NO.18, Xinfeng Street, Changlong Village, HuangjiangTown, Dongguan City Guangdong |
| Manufacturer:            | Dong Guan Arun Industrial Co., Ltd                                                |
| Address of Manufacturer: | NO.18, Xinfeng Street, Changlong Village, HuangjiangTown, Dongguan City Guangdong |
| Factory:                 | Dong Guan Arun Industrial Co., Ltd                                                |
| Address of Factory:      | NO.18, Xinfeng Street, Changlong Village, HuangjiangTown, Dongguan City Guangdong |

### 4.2 General Description of EUT

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Product Name:        | WIRELESS CHARGER                                      |
| Model No.:           | WX0001                                                |
| Trade Mark:          | ABS, ARUN                                             |
| Sample Type:         | Wireless charger                                      |
| Operation Frequency: | 110kHz-205kHz                                         |
| Power Supply:        | Input voltage: DC 5V 2A<br>Output voltage: DC 5V 0.7A |
| Test Voltage:        | AC 120V 60Hz                                          |
| USB Cable:           | 150cm unshielded                                      |

### 4.3 Description of Support Units

The EUT has been tested with associated equipment below.

| Description                | Manufacturer       | Model No.        |
|----------------------------|--------------------|------------------|
| Cement resistor            | Supplied by SGS    | REF. No.:SEA0600 |
| Adapter                    | Apple              | A1357 W010A051   |
| Wireless charging receiver | Supplied by client | N/A              |



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### 4.4 Test Location

Only the Radiate emission(9kHz-30MHz) was test in SGS GZ, the other tests were performed at:  
SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,  
No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China  
518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

### 4.5 Test Facility

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

- **CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

- **VCCI**

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

- **FCC – Registration No.: 556682**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

- **Industry Canada (IC)**

The 3m Semi-anechoic chambers and the 10m Semi-anechoic chambers of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-2, 4620C-3.

### 4.6 Deviation from Standards

None.

### 4.7 Abnormalities from Standard Conditions

None.



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## 5 Equipment List

| Conducted Emission |                   |                                    |                 |               |                              |
|--------------------|-------------------|------------------------------------|-----------------|---------------|------------------------------|
| Item               | Test Equipment    | Manufacturer                       | Model No.       | Inventory No. | Cal.Due date<br>(yyyy-mm-dd) |
| 1                  | Shielding Room    | ZhongYu Electron                   | GB-88           | SEL0042       | 2016-05-13                   |
| 2                  | LISN              | Rohde & Schwarz                    | ENV216          | SEL0152       | 2016-10-09                   |
| 3                  | LISN              | ETS-LINDGREN                       | 3816/2          | SEL0021       | 2016-05-13                   |
| 4                  | 8 Line ISN        | Fischer Custom Communications Inc. | FCC-TLISN-T8-02 | EMC0120       | 2016-08-30                   |
| 5                  | 4 Line ISN        | Fischer Custom Communications Inc. | FCC-TLISN-T4-02 | EMC0121       | 2016-08-30                   |
| 6                  | 2 Line ISN        | Fischer Custom Communications Inc. | FCC-TLISN-T2-02 | EMC0122       | 2016-08-30                   |
| 7                  | EMI Test Receiver | Rohde & Schwarz                    | ESCI            | SEL0022       | 2016-05-13                   |
| 8                  | Coaxial Cable     | SGS                                | N/A             | SEL0025       | 2016-05-13                   |



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| RE in Chamber |                              |                      |           |               |                           |
|---------------|------------------------------|----------------------|-----------|---------------|---------------------------|
| Item          | Test Equipment               | Manufacturer         | Model No. | Inventory No. | Cal.Due date (yyyy-mm-dd) |
| 1             | 10m Semi-Anechoic Chamber    | SAEMC                | FSAC1018  | SEL0303       | 2016-08-01                |
| 2             | EMI Test Receiver (9k-3GHz)  | Rohde & Schwarz      | ESCI      | SEL0175       | 2016-05-13                |
| 3             | EMI Test software            | AUDIX                | E3        | SEL0050       | N/A                       |
| 4             | Coaxial cable                | SGS                  | N/A       | SEL0288       | 2016-05-13                |
| 5             | Coaxial cable                | SGS                  | N/A       | SEL0275       | 2016-05-13                |
| 6             | Coaxial cable                | SGS                  | N/A       | SEL0274       | 2016-05-13                |
| 7             | BiConiLog Antenna (30M-1GHz) | Schwarzbeck          | VULB9160  | SEL0309       | 2018-10-17                |
| 8             | Pre-amplifier                | Sonoma Instrument Co | 310N      | SEL0298       | 2016-05-13                |
| 9             | Loop Antenna                 | ETS-LINDGREN         | 6502      | SEL0802       | 2016-08-14                |

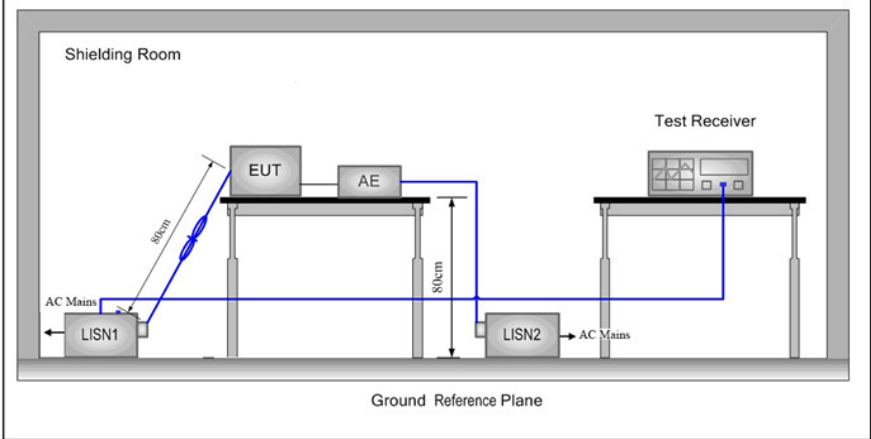
| General used equipment |                                 |                                            |           |               |                           |
|------------------------|---------------------------------|--------------------------------------------|-----------|---------------|---------------------------|
| Item                   | Test Equipment                  | Manufacturer                               | Model No. | Inventory No. | Cal.Due date (yyyy-mm-dd) |
| 1                      | Humidity/ Temperature Indicator | Shang Hai Meteorological Industry Factory  | ZJ1-2B    | SEL0101       | 2016-10-12                |
| 2                      | Humidity/ Temperature Indicator | Shang Hai Meteorological Industry Factory  | ZJ1-2B    | SEL0102       | 2016-10-12                |
| 3                      | Humidity/ Temperature Indicator | Shang Hai Meteorological Industry Factory  | ZJ1-2B    | SEL0103       | 2016-10-12                |
| 4                      | Barometer                       | Chang Chun Meteorological Industry Factory | DYM3      | SEL0088       | 2016-05-13                |



## 6 Test Results

### 6.1 Conducted Emissions

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |           |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| Test Requirement:                                | 47 CFR PART 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |           |
| Test Frequency Range:                            | 150kHz to 30MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |           |
| Limit:                                           | Frequency range (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Limit (dBuV) |           |
|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quasi-peak   | Average   |
|                                                  | 0.15-0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 66 to 56*    | 56 to 46* |
|                                                  | 0.5-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56           | 46        |
|                                                  | 5-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 60           | 50        |
| * Decreases with the logarithm of the frequency. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |           |
| Test Procedure:                                  | <ol style="list-style-type: none"><li>1) The mains terminal disturbance voltage test was conducted in a shielded room.</li><li>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.</li><li>3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,</li><li>4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.</li><li>5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.</li></ol> |              |           |

|                   |                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Setup:       |                                                                                      |
| Test Mode:        | Wireless charge mode. Keep EUT charging with full load and half load to find the worst case. The compliance test performed at full load since no worst case was found. |
| Instruments Used: | Refer to section 5 for details                                                                                                                                         |
| Test Results:     | Pass                                                                                                                                                                   |

#### Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

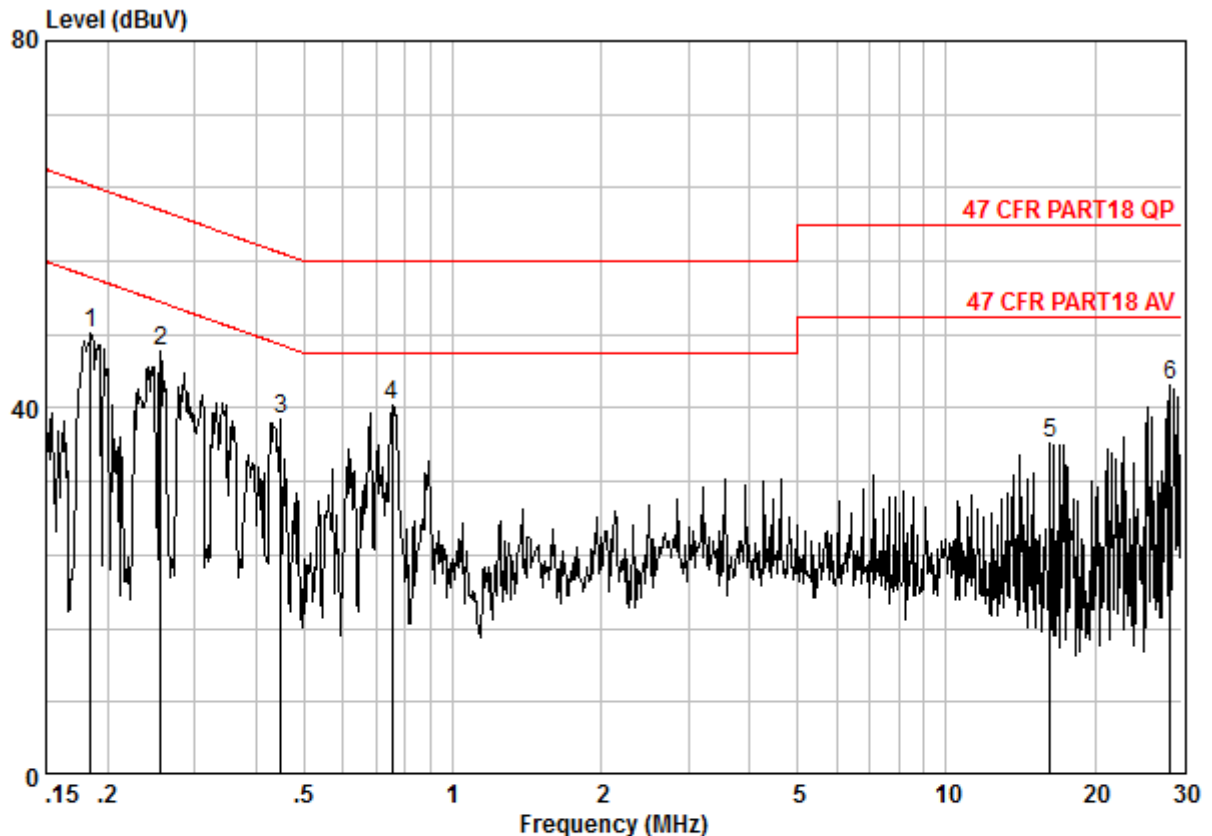


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Live Line:



Site : Shielding Room  
Condition : 47 CFR PART18 AV CE LINE  
Job No. : 7593PS  
Test Mode : a

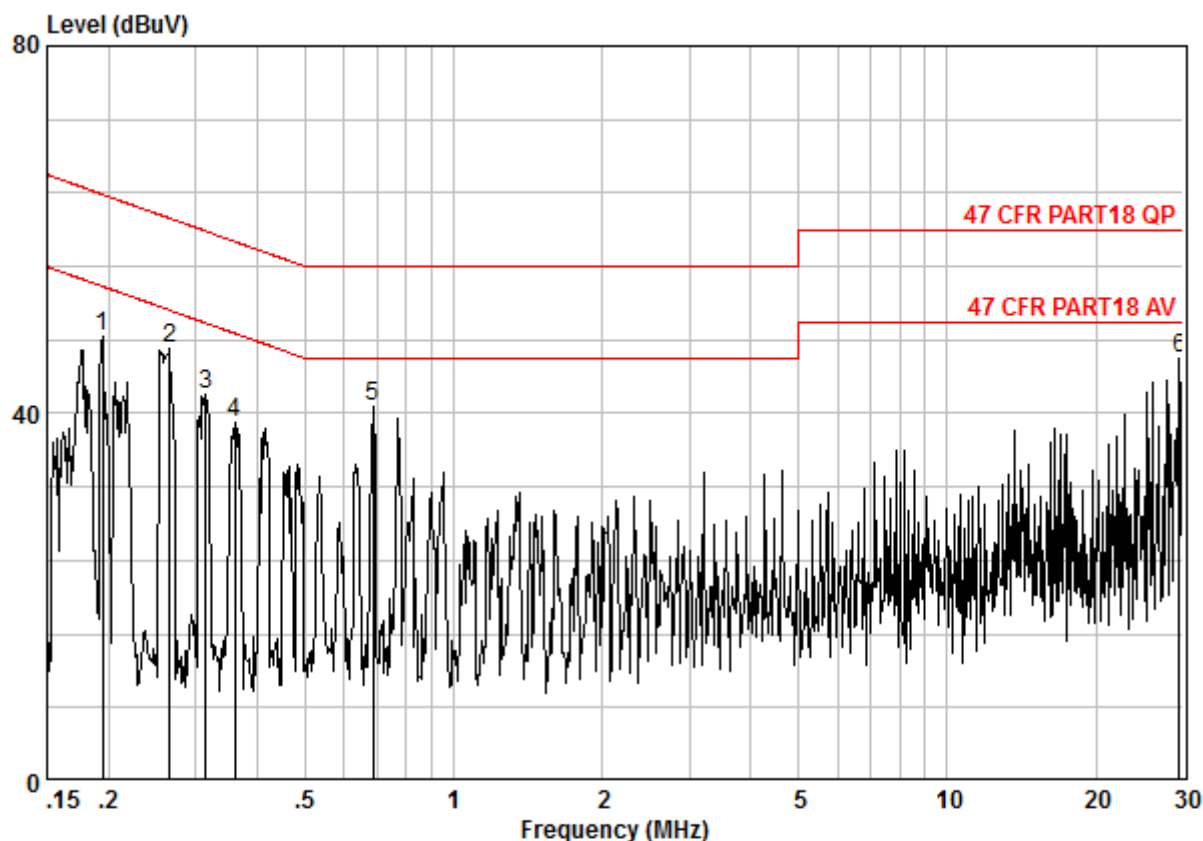
|     | Freq    | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|-----|---------|------------|-------------|------------|-------|------------|------------|--------|
|     | MHz     | dB         | dB          | dBuV       | dBuV  | dBuV       | dB         |        |
| 1   | 0.18443 | 0.02       | 9.60        | 38.54      | 48.16 | 54.28      | -6.13      | Peak   |
| 2 @ | 0.25615 | 0.02       | 9.60        | 36.50      | 46.11 | 51.56      | -5.45      | Peak   |
| 3   | 0.44916 | 0.01       | 9.59        | 29.15      | 38.75 | 46.89      | -8.14      | Peak   |
| 4   | 0.75493 | 0.02       | 9.60        | 30.60      | 40.22 | 46.00      | -5.78      | Peak   |
| 5   | 16.226  | 0.02       | 9.77        | 26.41      | 36.20 | 50.00      | -13.80     | Peak   |
| 6   | 28.452  | 0.03       | 9.89        | 32.68      | 42.60 | 50.00      | -7.40      | Peak   |



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Neutral Line:



Site : Shielding Room  
Condition : 47 CFR PART18 AV CE NEUTRAL  
Job No. : 7593PS  
Test Mode : a

|     | Freq    | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|-----|---------|------------|-------------|------------|-------|------------|------------|--------|
|     | MHz     | dB         | dB          | dBuV       | dBuV  | dBuV       | dB         |        |
| 1   | 0.19447 | 0.02       | 9.62        | 38.71      | 48.35 | 53.84      | -5.50      | Peak   |
| 2 @ | 0.26583 | 0.01       | 9.61        | 37.37      | 47.00 | 51.25      | -4.25      | Peak   |
| 3   | 0.31495 | 0.01       | 9.62        | 32.53      | 42.16 | 49.84      | -7.68      | Peak   |
| 4   | 0.35955 | 0.01       | 9.62        | 29.37      | 39.00 | 48.74      | -9.74      | Peak   |
| 5 @ | 0.68626 | 0.02       | 9.63        | 31.01      | 40.66 | 46.00      | -5.34      | Peak   |
| 6 @ | 29.527  | 0.03       | 10.22       | 35.70      | 45.95 | 50.00      | -4.05      | Peak   |



## 6.2 Radiated Emissions

|                   |                                                                                                                                                                                                                            |                |            |                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|--------------------------|
| Test Requirement: | 47 CFR PART 18                                                                                                                                                                                                             |                |            |                          |
| Test Site:        | Measurement Distance: 10m (Semi-Anechoic Chamber)                                                                                                                                                                          |                |            |                          |
| Receiver Setup:   | Frequency                                                                                                                                                                                                                  | Detector       | RBW        | VBW                      |
|                   | 9kHz~150kHz                                                                                                                                                                                                                | Quasi-peak     | 200Hz      | ≥RBW                     |
|                   | 150kHz~30MHz                                                                                                                                                                                                               | Quasi-peak     | 9kHz       | ≥RBW                     |
|                   | 30MHz~1GHz                                                                                                                                                                                                                 | Quasi-peak     | 100kHz     | ≥RBW                     |
| Limit:            | Frequency                                                                                                                                                                                                                  | Limit (dBuV/m) | Remark     | Measurement distance (m) |
|                   | 0.009-30MHz                                                                                                                                                                                                                | 53.0           | Quasi-peak | 10                       |
|                   | 30MHz-88MHz                                                                                                                                                                                                                | 40.0           | Quasi-peak | 3                        |
|                   | 88MHz-216MHz                                                                                                                                                                                                               | 43.5           | Quasi-peak | 3                        |
|                   | 216MHz-1000MHz                                                                                                                                                                                                             | 46.0           | Quasi-peak | 3                        |
|                   | Remark:According to the article 18.305(b), The operating frequency is non-ISM frequency;the RF Power generated by equipment is below 500(watts); According to the clause 18.305(c), the EUT belongs to Consumer equipment. |                |            |                          |
| Test Setup:       |                                                                                                                                                                                                                            |                |            |                          |

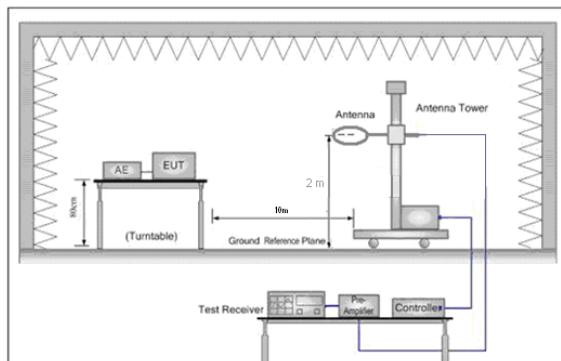


Figure 1. Below 30MHz

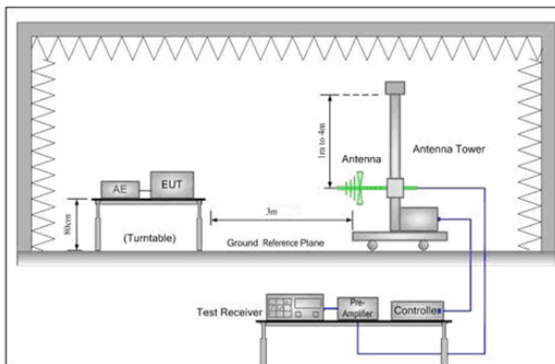


Figure 2. 30MHz to 1GHz

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Procedure: | <p>a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber(30MHz-1000MHz) and 10 meter semi-anechoic chamber(9kHz-30MHz). The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b. The EUT was set 3 meters(30MHz-1000MHz) and 10 meter(9kHz-30MHz) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>c. Above 30MHz:The Analyzer/Receiver scanned from 30MHz to 1000MHz.The antenna height is varied from one meter to four meters 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.</p> <p>d. Below 30MHz: The Analyzer/Receiver scanned from 9kHz to 30MHz.The antenna height is 2 meters above the ground to determine the maximum value of the field strength.</p> |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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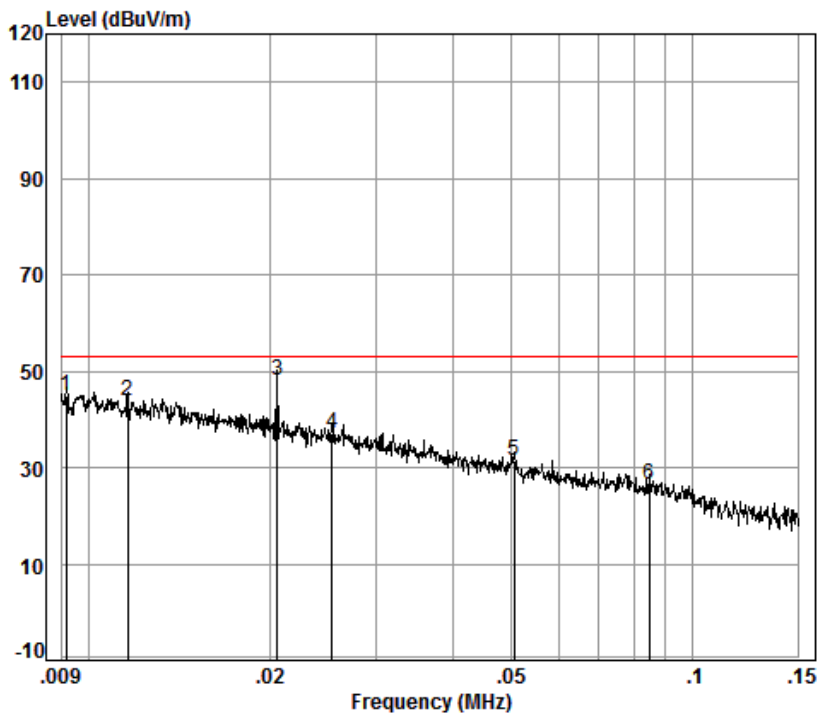
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | <p>e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 2 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>h. Repeat above procedures until all frequencies measured was complete.</p> <p>i. Measurement Requirement:<br/>According to the clause 18.305(c)notes 2.<br/>At frequencies at or above 30MHz:<br/><math>\text{Limit}_{3m}(\text{dBuV}) = \text{Limit}_{xm}(\text{dBuV}) + 20\log(xm/3m)</math><br/>At frequencies below 30MHz:<br/><math>\text{Limit}_{10m}(\text{dBuV}) = \text{Limit}_{xm}(\text{dBuV}) + 20\log(xm/3m)</math><br/>Remark: x replace the number 10,30,300.</p> |
| Test Mode:        | Wireless charge mode. Keep EUT charging with full load and half load to find the worst case. The compliance test performed at full load since no worst case was found.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Instruments Used: | Refer to section 5 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Test Results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



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0.009MHz-30MHz



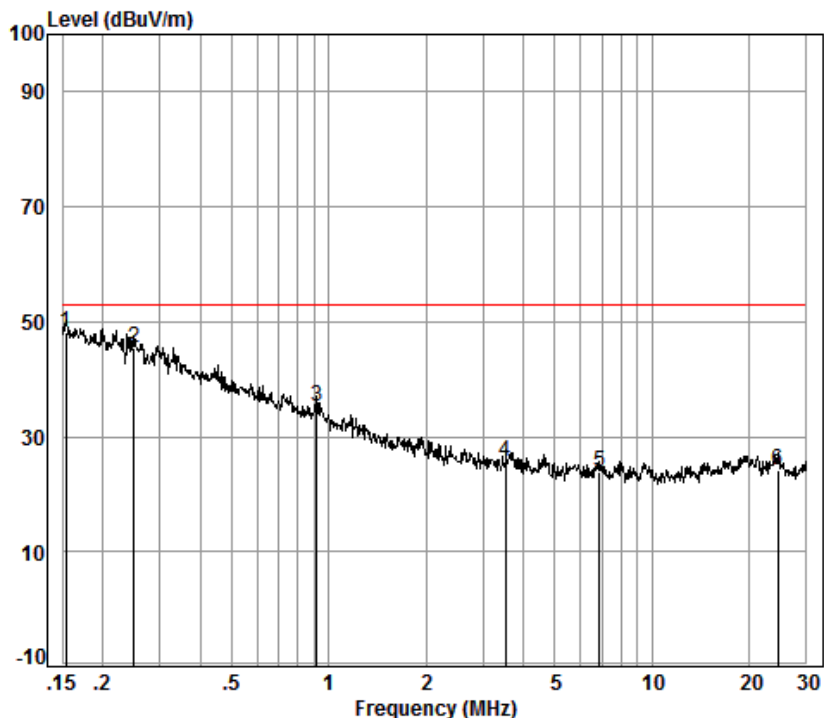
Condition: 10m  
Job No. : 7593CR  
Test Mode: a

|      | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level  | Limit  | Over   |
|------|------|------------|------------|---------------|------------|--------|--------|--------|
|      | MHz  | dB         | dB/m       | dB            | dBuV       | dBuV/m | dBuV/m | dB     |
| 1    | 0.01 | 0.30       | 21.80      | 0.00          | 22.63      | 44.73  | 53.06  | -8.33  |
| 2    | 0.01 | 0.27       | 20.73      | 0.00          | 22.70      | 43.70  | 53.06  | -9.36  |
| 3 pp | 0.02 | 0.21       | 16.78      | 0.00          | 31.20      | 48.19  | 53.06  | -4.87  |
| 4    | 0.03 | 0.19       | 15.83      | 0.00          | 21.10      | 37.12  | 53.06  | -15.94 |
| 5    | 0.05 | 0.12       | 12.71      | 0.00          | 18.50      | 31.33  | 53.06  | -21.73 |
| 6    | 0.08 | 0.07       | 12.94      | 0.00          | 13.59      | 26.60  | 53.06  | -26.46 |



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Condition: 10m  
Job No. : 7593CR  
Test Mode: a

|      | Freq  | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level  | Limit Line | Over Limit |
|------|-------|------------|------------|---------------|------------|--------|------------|------------|
|      | MHz   | dB         | dB/m       | dB            | dBuV       | dBuV/m | dBuV/m     | dB         |
| 1 pp | 0.15  | 0.07       | 12.80      | 0.00          | 35.42      | 48.29  | 53.06      | -4.77      |
| 2    | 0.25  | 0.08       | 12.80      | 0.00          | 32.66      | 45.54  | 53.06      | -7.52      |
| 3    | 0.92  | 0.22       | 12.74      | 0.00          | 22.18      | 35.14  | 53.06      | -17.92     |
| 4    | 3.53  | 0.39       | 12.09      | 0.00          | 13.15      | 25.63  | 53.06      | -27.43     |
| 5    | 6.88  | 0.46       | 10.82      | 0.00          | 12.51      | 23.79  | 53.06      | -29.27     |
| 6    | 24.40 | 0.73       | 10.09      | 0.00          | 13.32      | 24.14  | 53.06      | -28.92     |

Remark:

1:The loop antenna rotated about both Vertical and Horizontal to find the maximum emission,So only the worst position(Horizontal) was report.

2:According to the clause 2.3 of MP-5:1986, the highest frequency is 205kHz, So the Range of frequency measurements is 9kHz to 30MHz.

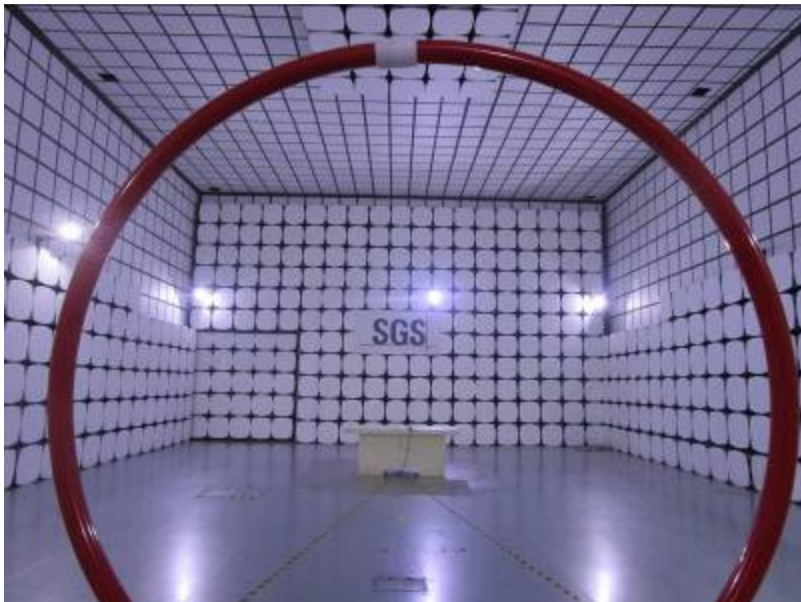
## 7 Photographs

Test Model No.: WX0001

### 7.1 Conducted Emission Test Setup



### 7.2 Radiated Emission Test Setup



### 7.3 EUT Constructional Details

