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# TEST REPORT

| Application No.:         | SHEM1801000357CR  |
|--------------------------|---|
| FCC ID:                  | 2AL76MTSL   |
| Applicant:               | ZHEJIANG YANKON GROUP CO LTD  |
| Address of Applicant:    | TONGJIANG MIDDLE ROAD, SHANGYU ECONOMIC DEVELOPMENT<br>ZONE, ZHEJIANG PROVINCE  |
| Manufacturer:            | ZHEJIANG YANKON GROUP CO LTD  |
| Address of Manufacturer: | TONGJIANG MIDDLE ROAD, SHANGYU ECONOMIC DEVELOPMENT<br>ZONE, ZHEJIANG PROVINCE  |
| Factory:                 | ZHEJIANG YANKON GROUP CO LTD  |
| Address of Factory:      | TONGJIANG MIDDLE ROAD, SHANGYU ECONOMIC DEVELOPMENT<br>ZONE, ZHEJIANG PROVINCE  |
| Equipment Under Test (EU | Т):   |
| EUT Name:                | LED Desk  |
| Model No.:               | MTSL1011HB, MTSL1011XX (XX represents the color of the enclosure which can be used in two words. For example, HR means red for H represents Hong and R represents Red.) ¤ |
| ¤                        | Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.   |
| Standard(s) :            | 47 CFR Part 18  |
| Date of Receipt:         | 2018-01-15  |
| Date of Test:            | 2018-01-16 to 2018-03-08  |
| Date of Issue:           | 2018-03-09  |
| Test Result:             | Pass*   |

\* In the configuration tested, the EUT complied with the standards specified above.



E&E Section 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.

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|                                 | Revision Record |            |   |  |  |  |  |  |
|---------------------------------|-----------------|------------|---|--|--|--|--|--|
| Version Description Date Remark |                 |            |   |  |  |  |  |  |
| 00                              | Original        | 2018-03-09 | / |  |  |  |  |  |
|                                 |                 |            |   |  |  |  |  |  |
|                                 |                 |            |   |  |  |  |  |  |

| Authorized for issue by: |                               |  |
|--------------------------|-------------------------------|--|
|                          | Vincent Zhu                   |  |
|                          | Vincent Zhu /Project Engineer |  |
|                          | parlam zhan                   |  |
|                          | Parlam /Reviewer              |  |



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# 2 Test Summary

| Emission Part  |                |                   |             |        |
|--|----------------|-------------------|-------------|--------|
| ltem   | Standard       | Method            | Requirement | Result |
| Conducted Emissions<br>at Mains Terminals<br>(150kHz-30MHz)          | 47 CFR Part 18 | FCC OST/MP-5:1986 | Class B     | Pass   |
| Radiated Emissions<br>(30MHz-1GHz)                                   | 47 CFR Part 18 | FCC OST/MP-5:1986 | Class B     | Pass   |
| Radiated Emissions<br>(Magnetic field<br>Strength)(150kHz-<br>30MHz) | 47 CFR Part 18 | FCC OST/MP-5:1986 | Class B     | Pass   |

### **Declaration of EUT Family Grouping:**

Note: There are series models mentioned in this report, and they are the identical in electrical and electronic characters. Only the model MTSL1011HB was tested since their differences were the model number, trade name and appearance.



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# 4 General Information

# 4.1 Details of E.U.T.

| Power supply:       | AC 120V, 60Hz ,0.22 A |
|---------------------|-----------------------|
| Test voltage:       | AC 120V, 60Hz         |
| Cable:              | AC cable: 0 cm        |
|                     | DC Cable :140cm       |
| Operation Frequency | 110-205 kHz           |

# 4.2 Description of Support Units

| Description | Manufacturer | Model No.                         | Serial No. |
|-------------|--------------|-----------------------------------|------------|
| Load        | Client       | DC 5V/1A; DC 5V/0.5A;<br>DC 5V/0A | /          |

## 4.3 Measurement Uncertainty

| No. | ltem                                | Measurement Uncertainty |
|-----|-------------------------------------|-------------------------|
| 1   | Conducted Emission                  | 3.2dB (9kHz to 150kHz)  |
| 1   | at mains port using AMN             | 3.0dB (150kHz to 30MHz) |
| 2   | Conducted Emission                  |                         |
| 2   | at mains port using VP              | 1.9 dB(9kHz to 30MHz)   |
| 2   | Conducted Emission                  |                         |
| 3   | at telecommunication port using AAN | 2.4 dB(150kHz to 30MHz) |
| 4   | Radiated Power                      | 3.5dB                   |
|     | Dedicted emission                   | 4.4dB (30MHz-1GHz )     |
| 5   | Radiated emission                   | 4.6dB (1GHz-6GHz )      |

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. E&E Lab 588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China Tel: +86 21 6191 5666 Fax: +86 21 6191 5678 No tests were sub-contracted.

### 4.5 Test Facility

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

#### • CNAS (No. CNAS L0599)

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 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.

### NVLAP (Certificate No. 201034-0)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the National Voluntary Laboratory Accreditation Program(NVLAP). Certificate No. 201034-0.

#### • FCC – Designation Number: CN5033

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

Designation Number: CN5033. Test Firm Registration Number: 479755.

#### • Industry Canada (IC) – IC Assigned Code: 8617A

The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 8617A-1.

#### • VCCI (Member No.: 3061)

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-3868,C-4336,T-12221,G-10830 respectively.

### 4.6 Deviation from Standards

None

# 4.7 Abnormalities from Standard Conditions

None



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# 5 Equipment List

| Conducted Emissions at Mains Terminals (150kHz-30MHz) |                 |          |              |            |              |
|---|-----------------|----------|--------------|------------|--------------|
| Equipment   | Manufacturer    | Model No | Inventory No | Cal Date   | Cal Due Date |
| EMI test receiver                                     | Rohde & Schwarz | ESR7     | SHEM162-1    | 2017-12-20 | 2018-12-19   |
| Line impedance<br>stabilization network               | SCHWARZBECK     | NSLK8127 | SHEM061-1    | 2017-12-20 | 2018-12-19   |
| Line impedance<br>stabilization network               | EMCO            | 3816/2   | SHEM019-1    | 2017-12-20 | 2018-12-19   |
| Pulse limiter   | Rohde & Schwarz | ESH3-Z2  | SHEM029-1    | 2017-12-20 | 2018-12-19   |
| Shielding Room  | ZHONGYU         | 8*4*3M   | SHEM079-2    | 2017-12-20 | 2018-12-19   |
| CE test Cable   | /               | /        | CE01         | 2017-12-26 | 2018-12-25   |

| Radiated Emissions (30MHz-1GHz) |                 |                       |              |            |              |
|---------------------------------|-----------------|-----------------------|--------------|------------|--------------|
| Equipment                       | Manufacturer    | Model No              | Inventory No | Cal Date   | Cal Due Date |
| EMI test receiver               | Rohde & Schwarz | ESU40                 | SHEM051-1    | 2017-09-26 | 2018-09-25   |
| CONTROLLER                      | INNCO           | CO200                 | SHEM047-1    | N/A        | N/A          |
| ANTENNA MAST                    | INNCO           | MA400-EP              | SHEM047-2    | N/A        | N/A          |
| TURN DEVICE                     | INNCO           | DE 3600-RH            | SHEM047-3    | N/A        | N/A          |
| Broadband UHF-VHF<br>ANTENNA    | SCHWARZBECK     | VULB9168              | SHEM048-1    | 2017-02-28 | 2020-02-27   |
| Semi/Fully Anechoic             | ST              | 11*6*6M               | SHEM078-2    | 2017-07-22 | 2018-07-21   |
| Low Amplifier                   | CLAVIIO         | BDLNA-0001-<br>412010 | SHEM164-1    | 2017-08-22 | 2018-08-21   |

| Radiated Emissions (Magnetic field Strength)(150kHz-30MHz) |                                   |                       |              |            |              |
|--|-----------------------------------|-----------------------|--------------|------------|--------------|
| Equipment  | Manufacturer                      | Model No              | Inventory No | Cal Date   | Cal Due Date |
| EMI test receiver  | Rohde & Schwarz                   | ESU40                 | SHEM051-1    | 2017-09-26 | 2018-09-25   |
| CONTROLLER   | INNCO                             | CO200                 | SHEM047-1    | N/A        | N/A          |
| ANTENNA MAST   | INNCO                             | MA400-EP              | SHEM047-2    | N/A        | N/A          |
| TURN DEVICE  | INNCO                             | DE 3600-RH            | SHEM047-3    | N/A        | N/A          |
| Loop antenna   | Schwarzbeck - Mess-<br>Elektronik | FMZB1519              | SHEM135-1    | 2017-04-10 | 2020-04-09   |
| Low Amplifier  | CLAVIIO                           | BDLNA-0001-<br>412010 | SHEM164-1    | 2017-08-22 | 2018-08-21   |

| General used equipment        |                                |            |              |            |              |
|-------------------------------|--------------------------------|------------|--------------|------------|--------------|
| Equipment                     | Manufacturer                   | Model No   | Inventory No | Cal Date   | Cal Due Date |
| Digital pressure meter        | YONGZHI                        | DYM3-01    | SHEM082-1    | 2018-01-25 | 2019-01-24   |
| Temperature&humidity recorder | ShangHai weather<br>meter work | ZJ 1-2B    | SHEM042-1~6  | 2017-09-13 | 2018-09-12   |
| Digital Multimeter            | FLUKE                          | 17B        | SHEM043-3    | 2017-09-11 | 2018-09-10   |
| Autoformer regulator          | Guangzhou bao de               | TDGC2-5KVA | SHEM150-1    | N/A        | N/A          |
| Multi-purpose tong tester     | FLUKE                          | 316        | SHEM001-1    | 2017-12-20 | 2018-12-19   |



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# 6 Emission Test Results

# 6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

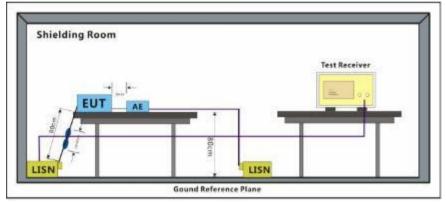
| Test Requirement: | 47 CFR Part 18  |
|-------------------|---|
| Test Method:      | FCC OST/MP-5:1986   |
| Frequency Range:  | 150kHz to 30MHz   |
| Limit:            |   |
| 0.15M-0.5MHz      | 66dB( $\mu$ V)-56dB( $\mu$ V) quasi-peak, 56dB( $\mu$ V)-46dB( $\mu$ V) average |
| 0.5M-5MHz         | 56dB(μV) quasi-peak, 46dB(μV) average   |
| 5M-30MHz          | 60dB(μV) quasi-peak, 50dB(μV) average   |
| Detector:         | Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz                    |

### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature:22 °CHumidity:50 % RHAtmospheric Pressure:1010 mbarTest modea:Wireless charging mode: Keep the load charging via EUT. The load shall be set<br/>at full load, half load and empty load respectively

### 6.1.2 Test Setup Diagram



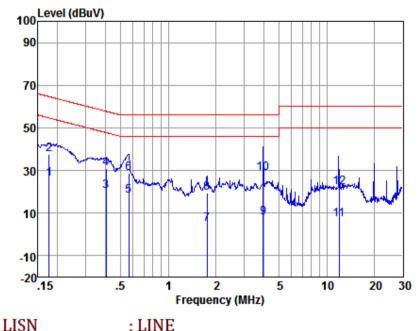
### 6.1.3 Measurement Data

An initial pre-scan was performed with peak detector.Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.



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Mode:a; Line:Live Line



LISN : LINE EUT/Project No : 0357CR Test Mode : No load

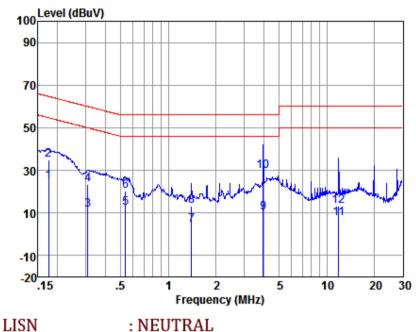
|    | Freq<br>(MHz) | Read<br>level<br>(dBuV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Emission<br>Level<br>(dBuV) | Limit<br>(dBuV) | Over<br>Limit<br>(dB) | Remark  |
|----|---------------|-------------------------|------------------------|-----------------------|-----------------------------|-----------------|-----------------------|---------|
| 1  | 0.18          | 15.93                   | 0.11                   | 9.81                  | 25.85                       | 54.64           | -28.79                | Average |
| 2  | 0.18          | 27.64                   | 0.11                   | 9.81                  | 37.56                       | 64.64           | -27.08                | QP      |
| 3  | 0.40          | 10.53                   | 0.11                   | 9.82                  | 20.46                       | 47.77           | -27.31                | Average |
| 4  | 0.40          | 21.17                   | 0.11                   | 9.82                  | 31.10                       | 57.77           | -26.67                | QP      |
| 5  | 0.56          | 8.25                    | 0.11                   | 9.82                  | 18.18                       | 46.00           | -27.82                | Average |
| 6  | 0.56          | 18.89                   | 0.11                   | 9.82                  | 28.82                       | 56.00           | -27.18                | QP      |
| 7  | 1.75          | -5.07                   | 0.12                   | 9.85                  | 4.90                        | 46.00           | -41.10                | Average |
| 8  | 1.75          | 9.28                    | 0.12                   | 9.85                  | 19.25                       | 56.00           | -36.75                | QP      |
| 9  | 3.99          | -2.23                   | 0.12                   | 9.85                  | 7.74                        | 46.00           | -38.26                | Average |
| 10 | 3.99          | 18.93                   | 0.12                   | 9.85                  | 28.90                       | 56.00           | -27.10                | QP      |
| 11 | 11.95         | -3.20                   | 0.12                   | 9.89                  | 6.81                        | 50.00           | -43.19                | Average |
| 12 | 11.95         | 12.12                   | 0.12                   | 9.89                  | 22.13                       | 60.00           | -37.87                | QP      |
|    |               |                         |                        |                       |                             |                 |                       |         |

Notes: Emission Level = Read Level +LISN Factor + Cable loss



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Mode:a; Line:Neutral Line



EUT/Project No : 0357CR Test Mode : No load

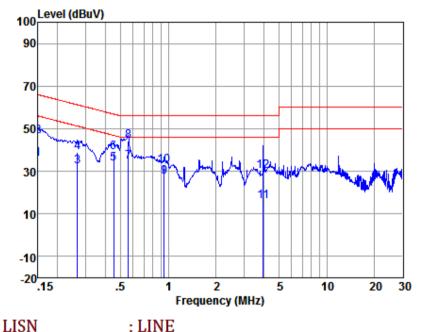
|    | Freq<br>(MHz) | Read<br>level<br>(dBuV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Emission<br>Level<br>(dBuV) | Limit<br>(dBuV) | Over<br>Limit<br>(dB) | Remark  |
|----|---------------|-------------------------|------------------------|-----------------------|-----------------------------|-----------------|-----------------------|---------|
| 1  | 0.17          | 14.83                   | 0.12                   | 9.81                  | 24.76                       | 54.72           | -29.96                | Average |
| 2  | 0.17          | 24.95                   | 0.12                   | 9.81                  | 34.88                       | 64.72           | -29.84                | QP      |
| 3  | 0.31          | 1.39                    | 0.11                   | 9.81                  | 11.31                       | 49.97           | -38.66                | Average |
| 4  | 0.31          | 13.60                   | 0.11                   | 9.81                  | 23.52                       | 59.97           | -36.45                | QP      |
| 5  | 0.54          | 2.34                    | 0.11                   | 9.82                  | 12.27                       | 46.00           | -33.73                | Average |
| 6  | 0.54          | 10.22                   | 0.11                   | 9.82                  | 20.15                       | 56.00           | -35.85                | QP      |
| 7  | 1.40          | -5.51                   | 0.12                   | 9.84                  | 4.45                        | 46.00           | -41.55                | Average |
| 8  | 1.40          | 3.19                    | 0.12                   | 9.84                  | 13.15                       | 56.00           | -42.85                | QP      |
| 9  | 3.99          | 0.06                    | 0.13                   | 9.85                  | 10.04                       | 46.00           | -35.96                | Average |
| 10 | 3.99          | 19.45                   | 0.13                   | 9.85                  | 29.43                       | 56.00           | -26.57                | QP      |
| 11 | 11.93         | -2.74                   | 0.15                   | 9.89                  | 7.30                        | 50.00           | -42.70                | Average |
| 12 | 11.93         | 3.03                    | 0.15                   | 9.89                  | 13.07                       | 60.00           | -46.93                | QP      |
|    |               |                         |                        |                       |                             |                 |                       |         |

Notes: Emission Level = Read Level +LISN Factor + Cable loss



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Mode:a; Line:Live Line



LISN : LINE EUT/Project No : 0357CR Test Mode : Half load

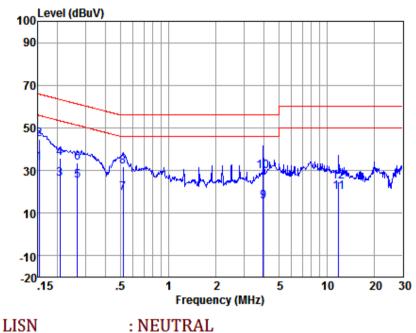
|    | Freq<br>(MHz) | Read<br>level<br>(dBuV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Emission<br>Level<br>(dBuV) | Limit<br>(dBuV) | Over<br>Limit<br>(dB) | Remark  |
|----|---------------|-------------------------|------------------------|-----------------------|-----------------------------|-----------------|-----------------------|---------|
| 1  | 0.15          | 25.75                   | 0.11                   | 9.81                  | 35.67                       | 56.00           | -20.33                | Average |
| 2  | 0.15          | 36.70                   | 0.11                   | 9.81                  | 46.62                       | 66.00           | -19.38                | QP _    |
| 3  | 0.27          | 22.40                   | 0.11                   | 9.81                  | 32.32                       | 51.20           | -18.88                | Average |
| 4  | 0.27          | 29.15                   | 0.11                   | 9.81                  | 39.07                       | 61.20           | -22.13                | QP      |
| 5  | 0.45          | 23.74                   | 0.11                   | 9.82                  | 33.67                       | 46.85           | -13.18                | Average |
| 6  | 0.45          | 29.09                   | 0.11                   | 9.82                  | 39.02                       | 56.85           | -17.83                | QP      |
| 7  | 0.56          | 24.46                   | 0.11                   | 9.82                  | 34.39                       | 46.00           | -11.61                | Average |
| 8  | 0.56          | 34.14                   | 0.11                   | 9.82                  | 44.07                       | 56.00           | -11.93                | QP      |
| 9  | 0.94          | 17.25                   | 0.11                   | 9.83                  | 27.19                       | 46.00           | -18.81                | Average |
| 10 | 0.94          | 22.71                   | 0.11                   | 9.83                  | 32.65                       | 56.00           | -23.35                | QP      |
| 11 | 3.99          | 5.71                    | 0.12                   | 9.85                  | 15.68                       | 46.00           | -30.32                | Average |
| 12 | 3.99          | 20.12                   | 0.12                   | 9.85                  | 30.09                       | 56.00           | -25.91                | QP      |
|    |               |                         |                        |                       |                             |                 |                       |         |

Notes: Emission Level = Read Level +LISN Factor + Cable loss



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Mode:a; Line:Neutral Line



EUT/Project No : 0357CR Test Mode : Half load

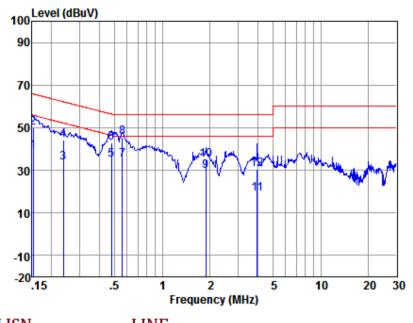
|    | Freq<br>(MHz) | Read<br>level<br>(dBuV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Emission<br>Level<br>(dBuV) | Limit<br>(dBuV) | Over<br>Limit<br>(dB) | Remark  |
|----|---------------|-------------------------|------------------------|-----------------------|-----------------------------|-----------------|-----------------------|---------|
| 1  | 0.15          | 23.48                   | 0.12                   | 9.81                  | 33.41                       | 55.87           | -22.46                | Average |
| 2  | 0.15          | 34.62                   | 0.12                   | 9.81                  | 44.55                       | 65.87           | -21.32                | QP      |
| 3  | 0.21          | 16.08                   | 0.12                   | 9.81                  | 26.01                       | 53.36           | -27.35                | Average |
| 4  | 0.21          | 25.74                   | 0.12                   | 9.81                  | 35.67                       | 63.36           | -27.69                | QP      |
| 5  | 0.27          | 15.38                   | 0.11                   | 9.81                  | 25.30                       | 51.20           | -25.90                | Average |
| 6  | 0.27          | 23.64                   | 0.11                   | 9.81                  | 33.56                       | 61.20           | -27.64                | QP      |
| 7  | 0.52          | 9.35                    | 0.11                   | 9.82                  | 19.28                       | 46.00           | -26.72                | Average |
| 8  | 0.52          | 22.08                   | 0.11                   | 9.82                  | 32.01                       | 56.00           | -23.99                | QP      |
| 9  | 3.99          | 5.61                    | 0.13                   | 9.85                  | 15.59                       | 46.00           | -30.41                | Average |
| 10 | 3.99          | 19.65                   | 0.13                   | 9.85                  | 29.63                       | 56.00           | -26.37                | QP      |
| 11 | 11.93         | 9.98                    | 0.15                   | 9.89                  | 20.02                       | 50.00           | -29.98                | Average |
| 12 | 11.93         | 14.55                   | 0.15                   | 9.89                  | 24.59                       | 60.00           | -35.41                | QP      |
|    |               |                         |                        |                       |                             |                 |                       |         |

Notes: Emission Level = Read Level +LISN Factor + Cable loss



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Mode:a; Line:Live Line



LISN : LINE EUT/Project No : 0357CR Test Mode : Full load

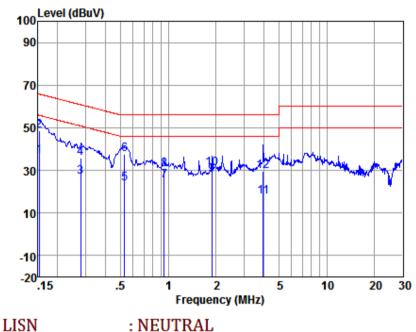
|    | Freq<br>(MHz) | Read<br>level<br>(dBuV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Emission<br>Level<br>(dBuV) | Limit<br>(dBuV) | Over<br>Limit<br>(dB) | Remark  |
|----|---------------|-------------------------|------------------------|-----------------------|-----------------------------|-----------------|-----------------------|---------|
| 1  | 0.15          | 28.97                   | 0.11                   | 9.81                  | 38.89                       | 55.87           | -16.98                | Average |
| 2  | 0.15          | 40.18                   | 0.11                   | 9.81                  | 50.10                       | 65.87           | -15.77                | QP      |
| 3  | 0.24          | 23.55                   | 0.11                   | 9.81                  | 33.47                       | 52.17           | -18.70                | Average |
| 4  | 0.24          | 34.31                   | 0.11                   | 9.81                  | 44.23                       | 62.17           | -17.94                | QP      |
| 5  | 0.48          | 24.86                   | 0.11                   | 9.82                  | 34.79                       | 46.36           | -11.57                | Average |
| 6  | 0.48          | 33.06                   | 0.11                   | 9.82                  | 42.99                       | 56.36           | -13.37                | QP      |
| 7  | 0.56          | 24.87                   | 0.11                   | 9.82                  | 34.80                       | 46.00           | -11.20                | Average |
| 8  | 0.56          | 35.46                   | 0.11                   | 9.82                  | 45.39                       | 56.00           | -10.61                | QP      |
| 9  | 1.88          | 19.60                   | 0.12                   | 9.85                  | 29.57                       | 46.00           | -16.43                | Average |
| 10 | 1.88          | 25.04                   | 0.12                   | 9.85                  | 35.01                       | 56.00           | -20.99                | QP      |
| 11 | 3.99          | 8.83                    | 0.12                   | 9.85                  | 18.80                       | 46.00           | -27.20                | Average |
| 12 | 3.99          | 20.41                   | 0.12                   | 9.85                  | 30.38                       | 56.00           | -25.62                | QP      |
|    |               |                         |                        |                       |                             |                 |                       |         |

Notes: Emission Level = Read Level +LISN Factor + Cable loss



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Mode:a; Line:Neutral Line



EUT/Project No : 0357CR Test Mode : Full load

|    | Freq<br>(MHz) | Read<br>level<br>(dBuV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Emission<br>Level<br>(dBuV) | Limit<br>(dBuV) | Over<br>Limit<br>(dB) | Remark  |
|----|---------------|-------------------------|------------------------|-----------------------|-----------------------------|-----------------|-----------------------|---------|
| 1  | 0.15          | 26.61                   | 0.12                   | 9.81                  | 36.54                       | 55.87           | -19.33                | Average |
| 2  | 0.15          | 38.70                   | 0.12                   | 9.81                  | 48.63                       | 65.87           | -17.24                | QP      |
| 3  | 0.28          | 16.91                   | 0.11                   | 9.81                  | 26.83                       | 50.81           | -23.98                | Average |
| 4  | 0.28          | 25.66                   | 0.11                   | 9.81                  | 35.58                       | 60.81           | -25.23                | QP      |
| 5  | 0.53          | 14.05                   | 0.11                   | 9.82                  | 23.98                       | 46.00           | -22.02                | Average |
| 6  | 0.53          | 27.42                   | 0.11                   | 9.82                  | 37.35                       | 56.00           | -18.65                | QP      |
| 7  | 0.94          | 15.21                   | 0.11                   | 9.83                  | 25.15                       | 46.00           | -20.85                | Average |
| 8  | 0.94          | 20.41                   | 0.11                   | 9.83                  | 30.35                       | 56.00           | -25.65                | QP      |
| 9  | 1.88          | 17.98                   | 0.12                   | 9.85                  | 27.95                       | 46.00           | -18.05                | Average |
| 10 | 1.88          | 20.81                   | 0.12                   | 9.85                  | 30.78                       | 56.00           | -25.22                | QP      |
| 11 | 3.99          | 7.66                    | 0.13                   | 9.85                  | 17.64                       | 46.00           | -28.36                | Average |
| 12 | 3.99          | 19.66                   | 0.13                   | 9.85                  | 29.64                       | 56.00           | -26.36                | QP      |
|    |               |                         |                        |                       |                             |                 |                       |         |
|    |               |                         |                        |                       |                             |                 |                       |         |

Notes: Emission Level = Read Level +LISN Factor + Cable loss



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# 6.2 Radiated Emissions (Magnetic field Strength)(9kHz-30MHz)

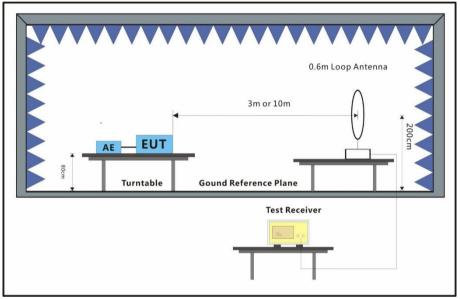
| Test Requirement:     | 47 CFR Part 18    |
|-----------------------|-------------------|
| Test Method:          | FCC OST/MP-5:1986 |
| Frequency Range:      | 9kHz to 30MHz     |
| Measurement Distance: | 3m                |

#### 6.2.1 E.U.T. Operation

**Operating Environment:** 

Temperature:22 °CHumidity:50 % RHAtmospheric Pressure:1020 mbarTest modea:Wireless charging mode:Keep the load charging via EUT. The load shall be set<br/>at full load, half load and empty load respectively

# 6.2.2 Test Setup Diagram



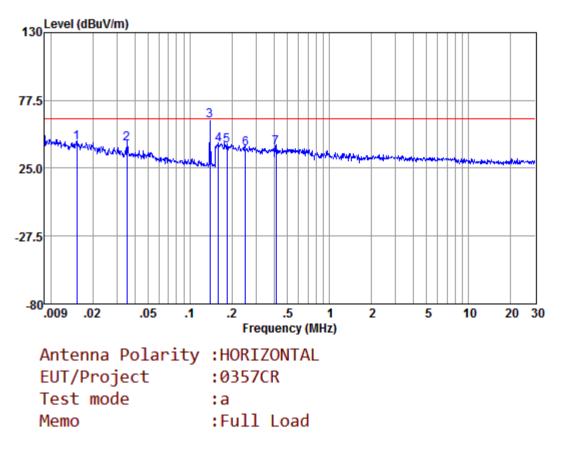
#### 6.2.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.



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Mode:a; Polarization:Horizontal



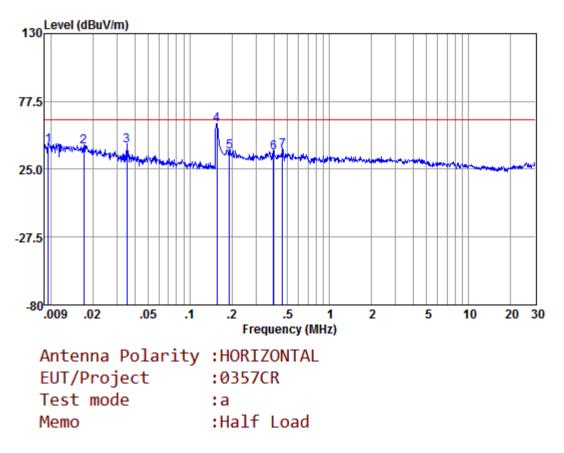
|   | Freq  |       |       |      | Emission<br>Level |        |        | Remark |
|---|-------|-------|-------|------|-------------------|--------|--------|--------|
|   |       |       |       |      |                   |        |        |        |
|   | MHz   | dBuV  | dB/m  | dB   | dBuV/m            | dBuV/m | dB     |        |
| 1 | 0.015 | 23.82 | 20.58 | 0.03 | 44.43             | 63.50  | -19.07 | QP     |
| 2 | 0.035 | 24.03 | 20.19 | 0.04 | 44.26             | 63.50  | -19.24 | QP     |
| 3 | 0.139 | 42.02 | 19.96 | 0.05 | 62.03             | 63.50  | -1.47  | QP     |
| 4 | 0.160 | 22.99 | 19.97 | 0.05 | 43.01             | 63.50  | -20.49 | QP     |
| 5 | 0.184 | 22.33 | 19.92 | 0.06 | 42.31             | 63.50  | -21.19 | QP     |
| 6 | 0.250 | 20.48 | 19.80 | 0.06 | 40.34             | 63.50  | -23.16 | QP     |
| 7 | 0.414 | 21.22 | 19.80 | 0.06 | 41.08             | 63.50  | -22.42 | QP     |

Note:Emission Level=Read Level+Antenna Factor+Cable loss



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Mode:a; Polarization:Horizontal



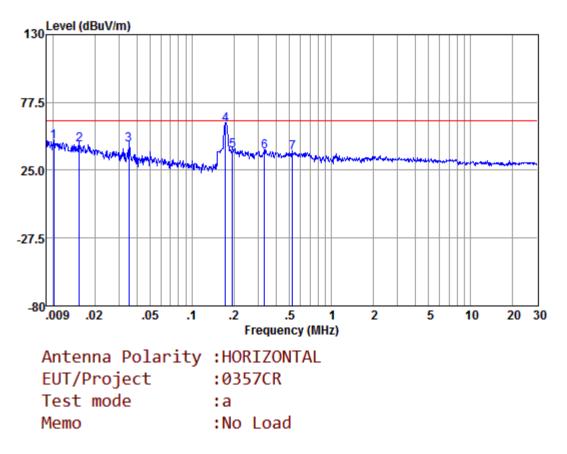
|   | Freq  |       |       |      | Emissio<br>Level |        |        | Remark |
|---|-------|-------|-------|------|------------------|--------|--------|--------|
|   |       |       |       |      |                  |        |        |        |
|   | MHz   | dBuV  | dB/m  | dB   | dBuV/m           | dBuV/m | dB     |        |
| 1 | 0.010 | 22.48 | 20.66 | 0.03 | 43.17            | 63.50  | -20.33 | QP     |
| 2 | 0.017 | 21.75 | 20.54 | 0.03 | 42.32            | 63.50  | -21.18 | QP     |
| 3 | 0.035 | 22.74 | 20.19 | 0.04 | 42.97            | 63.50  | -20.53 | QP     |
| 4 | 0.156 | 39.18 | 19.98 | 0.05 | 59.21            | 63.50  | -4.29  | QP     |
| 5 | 0.192 | 18.38 | 19.90 | 0.06 | 38.34            | 63.50  | -25.16 | QP     |
| 6 | 0.398 | 17.64 | 19.80 | 0.06 | 37.50            | 63.50  | -26.00 | QP     |
| 7 | 0.460 | 19.53 | 19.80 | 0.07 | 39.40            | 63.50  | -24.10 | QP     |

Note:Emission Level=Read Level+Antenna Factor+Cable loss



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Mode:a; Polarization:Horizontal



|   | Freq  |       |       |      | Emission<br>Level |        |        | Remark |
|---|-------|-------|-------|------|-------------------|--------|--------|--------|
|   |       |       |       |      |                   |        |        |        |
|   | MHz   | dBuV  | dB/m  | dB   | dBuV/m            | dBuV/m | dB     |        |
| 1 | 0.010 | 26.28 | 20.70 | 0.03 | 47.01             | 63.50  | -16.49 | QP     |
| 2 | 0.015 | 24.38 | 20.57 | 0.03 | 44.98             | 63.50  | -18.52 | QP     |
| 3 | 0.035 | 24.48 | 20.19 | 0.04 | 44.71             | 63.50  | -18.79 | QP     |
| 4 | 0.174 | 40.45 | 19.94 | 0.06 | 60.45             | 63.50  | -3.05  | QP     |
| 5 | 0.195 | 20.25 | 19.90 | 0.06 | 40.21             | 63.50  | -23.29 | QP     |
| 6 | 0.330 | 19.19 | 19.80 | 0.06 | 39.05             | 63.50  | -24.45 | QP     |
| 7 | 0.528 | 18.53 | 19.76 | 0.07 | 38.36             | 63.50  | -25.14 | QP     |

Note:Emission Level=Read Level+Antenna Factor+Cable loss



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# 7 Test Setup Photographs

Refer to the < Test Setup photos-FCC>.

# 8 EUT Constructional Details

Refer to the < External Photos > & < Internal Photos >.

- End of the Report -