

FCC Test Report

Report No.: AGC05803210902FE04

FCC ID : ZBCWD268H

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION: Wireless Charging Pad

BRAND NAME : DNS, mworks!, omars, mbest, NOVOO, KEYMOX

MODEL NAME : WD-268H, ACC-PN028010

APPLICANT: SHENZHEN DNS INDUSTRIES CO., LTD.

DATE OF ISSUE : Oct. 09, 2021

STANDARD(S)

TEST PROCEDURE(S)

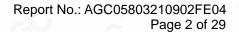
: FCC Part 15 Rules

REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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REPORT REVISE RECORD

| Report Version | Revise Time | Issued Date | Valid Version | Notes |
|----------------|-------------|---------------|---------------|-----------------|
| V1.0 | / | Oct. 09, 2021 | Valid | Initial Release |

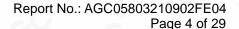
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TABLE OF CONTENTS

| 1. VERIFICATION OF CONFORMITY | |
|--|----|
| 2. GENERAL INFORMATION | |
| 2.1. PRODUCT DESCRIPTION | |
| 3. MEASUREMENT UNCERTAINTY | 6 |
| 4. DESCRIPTION OF TEST MODES | |
| 5. SYSTEM TEST CONFIGURATION | 8 |
| 5.1. CONFIGURATION OF EUT SYSTEM | 8 |
| 5.2. EQUIPMENT USED IN EUT SYSTEM | 8 |
| 5.3. SUMMARY OF TEST RESULTS | |
| 6. TEST FACILITY | |
| 7. RADIATED EMISSION | |
| 7.1TEST LIMIT | 10 |
| 7.2. MEASUREMENT PROCEDURE | 11 |
| 7.3. TEST SETUP | 12 |
| 7.4. TEST RESULT | |
| 8. 20DB BANDWIDTH | |
| 8.1. MEASUREMENT PROCEDURE | 16 |
| 8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) | 16 |
| 8.3. MEASUREMENT RESULTS | 17 |
| 9. FCC LINE CONDUCTED EMISSION TEST | 18 |
| 9.1. LIMITS OF LINE CONDUCTED EMISSION TEST | |
| 9.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST | 18 |
| 9.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST | 19 |
| 9.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST | |
| 9.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST | |
| APPENDIX A: PHOTOGRAPHS OF TEST SETUP | 22 |
| ADDENDIV D. DUOTOGDADUS OF FUT | 24 |

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1. VERIFICATION OF CONFORMITY

| Applicant | SHENZHEN DNS INDUSTRIES CO., LTD. | | | |
|---------------------------------|--|--|--|--|
| Address | 23/F Building A, Shenzhen International Innovation Center, No. 1006 Shennan | | | |
| Manufacturer | Road, Futian, Shenzhen, 518026, China. SHENZHEN DNS INDUSTRIES CO., LTD. | | | |
| Address | 23/F Building A, Shenzhen International Innovation Center, No. 1006 Shennar Road, Futian, Shenzhen, 518026, China. | | | |
| Factory1 | HUIZHOU D&S CABLE CO., LTD. | | | |
| Address1 | Longjin Dongjiang Industry Zone Shuikou, Huicheng, Huizhou, Guangdong, China | | | |
| Factory2 | HUI ZHOU DNS TECHNOLOGY CO., LTD. | | | |
| Address2 | 5 Dongshun South Road, Dongjiang Hi-tech Industrial Park, Zhongkai Hi-tech Zone, Huizhou City, Guangdong, China | | | |
| Factory3 | D AND S INDUSTRIES (PHILIPPINES) CORPORATION | | | |
| Address3 | 1 to 5 Orient Goldcrest Suntrust Ecotown Building 2, Lot 8 Block 8, Sahud Ulan, Suntrust Ecotown Tanza, Region IV-A, Cavite, Philippines | | | |
| Product Designation | Wireless Charging Pad | | | |
| Brand Name | DNS, mworks!, omars, mbest, NOVOO, KEYMOX | | | |
| Test Model | WD-268H | | | |
| Series Model | ACC-PN028010 | | | |
| Declaration of Difference | All the series models are the same as the test model except for the model names. | | | |
| Date of test | Sep. 13, 2021 to Oct. 09, 2021 | | | |
| Deviation | No any deviation from the test method | | | |
| Condition of Test Sample Normal | | | | |
| Test Result | Pass | | | |
| Report Template | AGCRT-US-BR/RF | | | |

We hereby certify that:

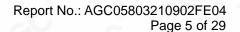
The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with Section 15.207, 15.209, 15.203 of the FCC Part 15, Subpart C Rules.

The results of testing in this report apply to the product/system which was tested only.

Cool cherry Prepared By Cool Cheng Oct. 09, 2021 (Project Engineer) Reviewed By Calvin Liu Oct. 09, 2021 (Reviewer) Approved By

Max Zhang

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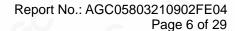
2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

| Operation Frequency 110-205kHz | | |
|---|--------------------|--|
| Test Frequency | 127.7KHz | |
| Maximum field strength | 53.74dBuV/m(PK)@3m | |
| Modulation | FSK | |
| Number of channels 1 | | |
| Antenna Designation Coil Antenna (Met 15.203 Antenna requirement) | | |
| Hardware Version V2.0 | | |
| Software Version V3.0 | | |
| Power Supply DC 5V-2A, DC 9V-2A, DC 12V-2A | | |
| Wireless charger 5W/ 7.5W/ 10W/ 15W (max) | | |

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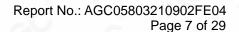


3. MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in measurement" (GUM) published by CISPR and ANSI.

- Uncertainty of Conducted Emission, Uc = ±3.2 dB
- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB

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4. DESCRIPTION OF TEST MODES

| NO. | TEST MODE DESCRIPTION |
|-----|---|
| 1 | USB-C input PD 12V 2A+Wireless charging Mode(Full load) -15W |
| 2 | USB-C input PD 9V 2A+Wireless charging Mode(Full load) -15W |
| 3 | USB-C input PD 12V 2A+Wireless charging Mode(Half load) -7.5W |
| 4 | USB-C input PD 9V 2A+Wireless charging Mode(Half load) -7.5W |
| 5 | USB-C input PD 5V 2A+Wireless charging Mode(with load) -5W |
| 6 | USB-C input PD 12V 2A+Wireless charging Mode(with load) -5W |
| 7 | Wireless charging Mode(Null load) |

Note:

1. The mode 1 was the worst case and only the data of the worst case record in this report.

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Page 8 of 29

5. SYSTEM TEST CONFIGURATION 5.1. CONFIGURATION OF EUT SYSTEM

Configure :

| | NO | |
|-----|----|----|
| EUT | C | AE |

5.2. EQUIPMENT USED IN EUT SYSTEM

| Item | Equipment | Model No. | ID or Specification | Remark |
|------|-----------------------|--------------|---------------------|--------|
| 1 | Wireless Charging Pad | WD-268H | ZBCWD268H | EUT |
| 2 | Wireless Load | N/A | 15W | AE |
| 3 | Adapter1 | AD651 | N/A | AE |
| 4 | Adapter2 | HW-200325CP0 | N/A | AE |

5.3. SUMMARY OF TEST RESULTS

| FCC RULES | DESCRIPTION OF TEST | RESULT |
|-----------|---------------------|-----------|
| §15.209 | Radiated Emission | Compliant |
| §15.215 | 20dB bandwidth | Compliant |
| §15.207 | Conducted Emission | Compliant |

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Page 9 of 29

6. TEST FACILITY

| Test Site | Attestation of Global Compliance (Shenzhen) Co., Ltd | | | | |
|-----------------------------------|--|--|--|--|--|
| Location | 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China | | | | |
| Designation Number | CN1259 | | | | |
| FCC Test Firm Registration Number | 975832 | | | | |
| A2LA Cert. No. | 5054.02 | | | | |
| Description | Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA | | | | |

TEST EQUIPMENT OF CONDUCTED EMISSION TEST

| Equipment | Manufacturer | Model | S/N | Cal. Date | Cal. Due |
|---------------|--------------|------------------|--------|---------------|---------------|
| TEST RECEIVER | R&S | ESCI | 10096 | Sep. 06, 2021 | Sep. 05, 2022 |
| LISN | R&S | ESH2-Z5 | 100086 | Jun. 09, 2021 | Jun. 08, 2022 |
| Test software | R&S | ES-K1(Ver.V1.71) | N/A | N/A | N/A |

TEST EQUIPMENT OF RADIATED EMISSION TEST

| Equipment | Manufacturer | Model | S/N | Cal. Date | Cal. Due |
|--------------------------------------|--------------|------------------------|------------|---------------|---------------|
| TEST RECEIVER | R&S | ESCI | 10096 | May 15, 2021 | May 14, 2022 |
| EXA Signal Analyzer | Aglient | N9010A | MY53470504 | Dec. 07, 2020 | Dec. 06, 2021 |
| Active loop antenna (9K-30MHz) | ZHINAN | ZN30900C | 18051 | May 22, 2020 | May 21, 2022 |
| ANTENNA | SCHWARZBECK | VULB9168 | D69250 | Apr. 28, 2021 | Apr. 27, 2023 |
| Test software | FARA | EZ_EMC (Ver.RA-03A) | N/A | N/A | N/A |

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Page 10 of 29

7. RADIATED EMISSION

7.1TEST LIMIT

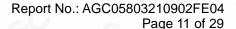
Standard FCC 15.209

| Frequency | Distance | Field Strengths Limit | | | |
|---------------|----------|---|----------|--|--|
| (MHz) | Meters | μ V/m | dB(μV)/m | | |
| 0.009 ~ 0.490 | 300 | 2400/F(kHz) | G' 2G 2 | | |
| 0.490 ~ 1.705 | 30 | 24000/F(kHz) | | | |
| 1.705 ~ 30 | 30 | 30 | 0 | | |
| 30 ~ 88 | 3 | 100 | 40.0 | | |
| 88 ~ 216 | 3 | 150 | 43.5 | | |
| 216 ~ 960 | 3 | 200 | 46.0 | | |
| 960 ~ 1000 | 3 | 500 | 54.0 | | |
| Above 1000 | 3 | Other:74.0 dB(µV)/m (Peak) 54.0 dB(µV)/m (Average | | | |

Remark:

- (1) Emission level dB μ V = 20 log Emission level μ V/m
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

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7.2. MEASUREMENT PROCEDURE

- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

The following table is the setting of spectrum analyzer and receiver.

| Spectrum Parameter | Setting |
|-----------------------|--------------------------------|
| Start ~Stop Frequency | 9KHz~150KHz/RB 200Hz for QP |
| Start ~Stop Frequency | 150KHz~30MHz/RB 9KHz for QP |
| Start ~Stop Frequency | 30MHz~1000MHz/RB 120KHz for QP |

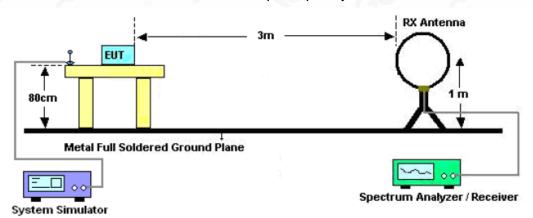
| Receiver Parameter | Setting |
|-----------------------|--------------------------------|
| Start ~Stop Frequency | 9KHz~150KHz/RB 200Hz for QP |
| Start ~Stop Frequency | 150KHz~30MHz/RB 9KHz for QP |
| Start ~Stop Frequency | 30MHz~1000MHz/RB 120KHz for QP |

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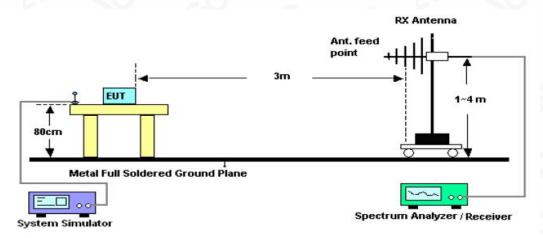


7.3. TEST SETUP

Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



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Page 13 of 29

7.4. TEST RESULT

| Frequency MHz | Polarization | Reading dB(uV) PK | Factor dB (1/m) | Level dB(uV/m) PK | Limit dB(uV/m) PK | Margin dB | Pass/Fail |
|------------------|--------------|-------------------------|-----------------------|-------------------------|-------------------------|--------------|-----------|
| 0.1277 | Face | 43.34 | 10.40 | 53.74 | 105.48 | -51.74 | Pass |
| 0.1277 | Side | 36.15 | 10.40 | 46.55 | 105.48 | -58.93 | Pass |
| 0.1213 | Face | 36.16 | 13.50 | 49.66 | 105.93 | -56.27 | Pass |
| 0.1213 | Side | 30.79 | 13.50 | 44.29 | 105.93 | -61.64 | Pass |
| 0.1312 | Face | 18.57 | 12.50 | 31.07 | 105.25 | -74.18 | Pass |
| 0.1312 | Side | 15.35 | 12.50 | 27.85 | 105.25 | -77.40 | Pass |

RADIATED EMISSION BELOW 30MHZ

Note1: The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported. The peak level of the emission is less than the average limit, so the average level shall be less than the limit without test.

Note 2: Level(dBuV/m)=Reading(dBuV)+Factor(dB/m)

Factor(dB/m)=Antenna Factor(dB/m)+Cable loss(dB)+Attenuation(dB)for Attenuator

Margin=Level-Limit

For 0.1277MHz

Limit(dBuV/m) = 20log(2400/F(kHz)) + 40log(300/3) = 105.48dBuV/m.

For 0.1213MHz

Limit(dBuV/m) = 20log(2400/F(kHz)) + 40log(300/3) = 105.93dBuV/m.

For 0.1312MHz

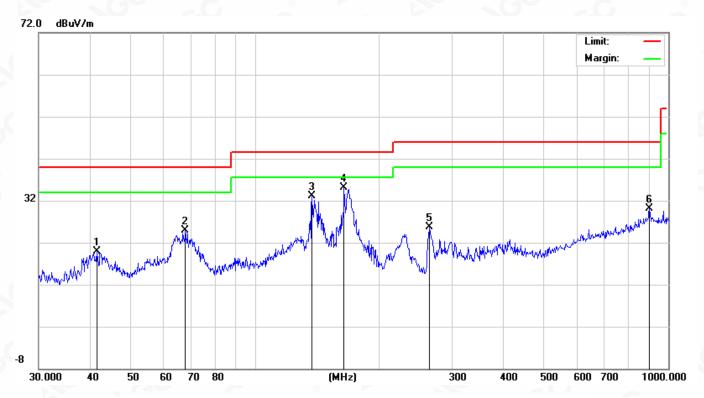
Limit(dBuV/m)=20log(2400/F(kHz))+40log(300/3)=105.25dBuV/m.

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RADIATED EMISSION 30MHz-1GHz

| EUT: | Wireless Charging Pad | Model Name. | WD-268H |
|--------------|-----------------------|--------------------|------------|
| Temperature: | 21.8℃ | Relative Humidity: | 68% |
| Pressure: | 1010 hPa | Test Voltage : | DC 12V |
| Test Mode : | Mode 1 | Polarization: | Horizontal |



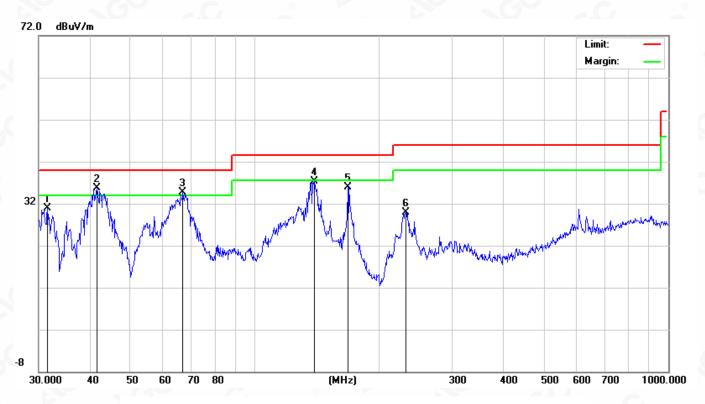
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------------------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 41.4215 | 10.01 | 9.90 | 19.91 | 40.00 | -20.09 | peak |
| 2 | | 67.9129 | 12.95 | 11.98 | 24.93 | 40.00 | -15.07 | peak |
| 3 | | 137.4202 | 20.52 | 12.68 | 33.20 | 43.50 | -10.30 | peak |
| 4 | * | 164.3301 | 24.36 | 10.72 | 35.08 | 43.50 | -8.42 | peak |
| 5 | | 264.7457 | 17.10 | 8.70 | 25.80 | 46.00 | -20.20 | peak |
| 6 | | 900.1474 | 8.40 | 21.71 | 30.11 | 46.00 | -15.89 | peak |

RESULT: PASS

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| EUT: | Wireless Charging Pad | Model Name. | WD-268H |
|--------------|-----------------------|--------------------|----------|
| Temperature: | 21.8℃ | Relative Humidity: | 58% |
| Pressure : | 1010 hPa | Test Voltage : | DC 12V |
| Test Mode : | Mode 1 | Polarization : | Vertical |



| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 31.5095 | 23.70 | 7.22 | 30.92 | 40.00 | -9.08 | peak |
| 2 | * | 41.5670 | 25.83 | 9.82 | 35.65 | 40.00 | -4.35 | peak |
| 3 | İ | 66.9669 | 22.59 | 12.04 | 34.63 | 40.00 | -5.37 | peak |
| 4 | | 139.3613 | 24.16 | 13.22 | 37.38 | 43.50 | -6.12 | peak |
| 5 | | 167.8243 | 24.30 | 11.56 | 35.86 | 43.50 | -7.64 | peak |
| 6 | | 231.7179 | 17.62 | 12.24 | 29.86 | 46.00 | -16.14 | peak |

RESULT: PASS Note:

Factor=Antenna Factor + Cable loss, Over=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

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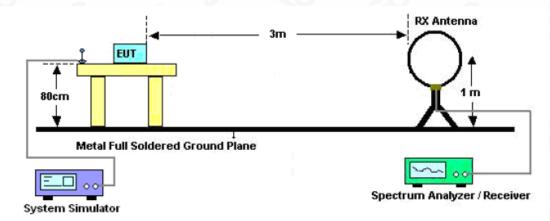


8. 20DB BANDWIDTH

8.1. MEASUREMENT PROCEDURE

- 1. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2, Set the EUT Work on operation frequency.
- 3. Set Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a channel
 The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video
 bandwidth (VBW) shall be approximately three times RBW; Sweep = auto; Detector function = peak
- 4. Set SPA Trace 1 Max hold, then View.

8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



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8.3. MEASUREMENT RESULTS

| TEST ITEM | 20DB BANDWIDTH | 100 | ~GC | -6 | @ | |
|-----------------|----------------|-----|-----|----|------|--|
| TEST MODULATION | FSK | 8 | | 10 | 10°C | |

| Test Data (H | Criteria | |
|-----------------|----------|------|
| Operate Channel | 876 | PASS |

TEST PLOT OF BANDWIDTH



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9. FCC LINE CONDUCTED EMISSION TEST

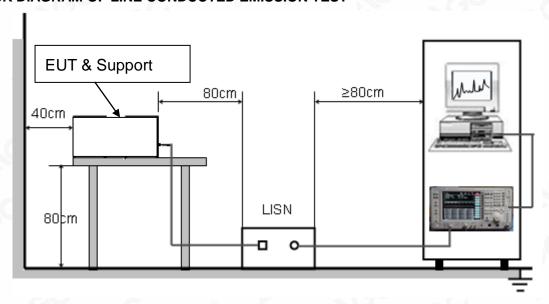
9.1. LIMITS OF LINE CONDUCTED EMISSION TEST

| Francis | Maximum RF Line Voltage | | | | |
|---------------|-------------------------|----------------|--|--|--|
| Frequency | Q.P.(dBuV) | Average(dBuV) | | | |
| 150kHz~500kHz | 66-56 | 56-46 | | | |
| 500kHz~5MHz | 56 | 46 | | | |
| 5MHz~30MHz | 60 | 50 | | | |

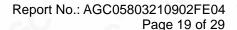
Note:

- 1. The lower limit shall apply at the transition frequency.
- 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50MHz.

9.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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9.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When 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 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 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. All support equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received charging voltage by adapter which received 120V/60Hzpower by a LISN...
- 6. The 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.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

9.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

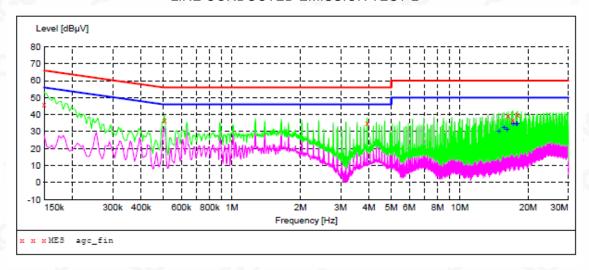
- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3. The test data of the worst case condition(s) was reported on the Summary Data page.

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9.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

LINE CONDUCTED EMISSION TEST-L



MEASUREMENT RESULT: "agc fin"

| 2021/9/27 22 | 2:56 | | | | | |
|------------------|---------------|--------------|---------------|--------------|----------|------|
| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line |
| 0.150000 | 45.80 | 6.9 | 66 | 20.2 | QP | L1 |
| 0.506000 | 36.70 | 5.4 | 56 | 19.3 | QP | L1 |
| 3.926000 | 33.00 | 6.5 | 56 | 23.0 | QP | L1 |
| 16.362000 | 39.30 | 8.5 | 60 | 20.7 | QP | L1 |
| 17.082000 | 36.50 | 8.5 | 60 | 23.5 | QP | L1 |
| 17.882000 | 39.50 | 8.6 | 60 | 20.5 | QP | L1 |
| | | | | | | |

MEASUREMENT RESULT: "agc fin2"

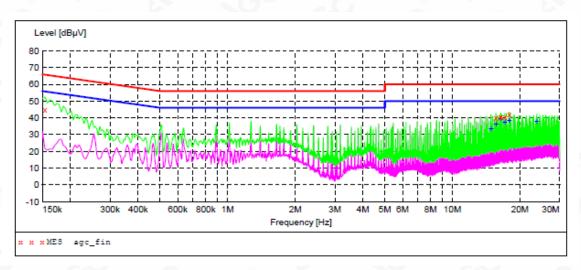
| 2021/9/27 22 | :56 | | | | | |
|--|----------------------------------|--------------------------|----------------------|------------------------------|----------|----------------------|
| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line |
| 14.842000 15.602000 16.110000 17.122000 | 29.80 32.20 31.30 34.40 | 8.3 8.4 8.4 8.5 | 50 50 50 50 | 20.2 17.8 18.7 15.6 | AV AV | L1 L1 L1 L1 |
| 17.630000 17.882000 | 34.30 34.50 | 8.6 8.6 | 50 50 | 15.7 15.5 | | L1 L1 |

RESULT: PASS

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LINE CONDUCTED EMISSION TEST-N



MEASUREMENT RESULT: "agc fin"

| :01 | | | | | |
|---------------|--|--|--|--|---|
| Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line |
| 45.10 | 6.9 | 66 | 20.7 | QP | N |
| 40.00 | 8.4 | 60 | 20.0 | QP | N |
| 40.60 | 8.5 | 60 | 19.4 | QP | N |
| 40.40 | 8.5 | 60 | 19.6 | QP | N |
| 40.30 | 8.5 | 60 | 19.7 | QP | N |
| 42.00 | 8.6 | 60 | 18.0 | QP | N |
| | Level dBµV 45.10 40.00 40.60 40.40 40.30 | Level Transd dB dB 45.10 6.9 40.00 8.4 40.60 8.5 40.40 8.5 40.30 8.5 | Level Transd Limit dBμV dB dBμV 45.10 6.9 66 40.00 8.4 60 40.60 8.5 60 40.40 8.5 60 40.30 8.5 60 | Level Transd Limit Margin dBμV dB dBμV dB dBμV dB dBμV dB dBμV dB dS dS dO dS dO | Level Transd Limit Margin Detector dBμV dB dBμV dB 45.10 6.9 66 20.7 QP 40.00 8.4 60 20.0 QP 40.60 8.5 60 19.4 QP 40.40 8.5 60 19.6 QP 40.30 8.5 60 19.7 QP |

MEASUREMENT RESULT: "agc fin2"

| 2021/9/27 | 23:0 | 2 | | | | | |
|-----------|------------|---------------|--------------|---------------|--------------|----------|------|
| Freque | ncy MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line |
| 14.850 | 000 | 33.50 | 8.3 | 50 | 16.5 | AV | N |
| 15.610 | 000 | 36.00 | 8.4 | 50 | 14.0 | AV | N |
| 16.370 | 000 | 39.50 | 8.5 | 50 | 10.5 | AV | N |
| 17.130 | 000 | 37.50 | 8.5 | 50 | 12.5 | AV | N |
| 17.894 | 000 | 38.40 | 8.6 | 50 | 11.6 | AV | N |
| 23.726 | 000 | 37.60 | 9.1 | 50 | 12.4 | AV | N |

RESULT: PASS

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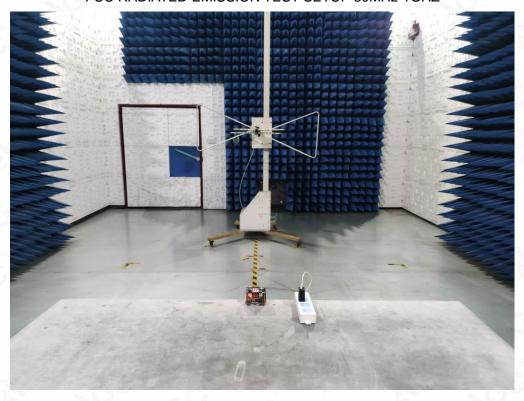


APPENDIX A: PHOTOGRAPHS OF TEST SETUP

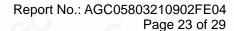
FCC RADIATED EMISSION TEST SETUP 9kHz-30MHZ



FCC RADIATED EMISSION TEST SETUP 30MHz-1GHZ



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FCC LINE CONDUCTED EMISSION TEST SETUP



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APPENDIX B: PHOTOGRAPHS OF EUT

EXTERNAL VIEW-1 OF EUT



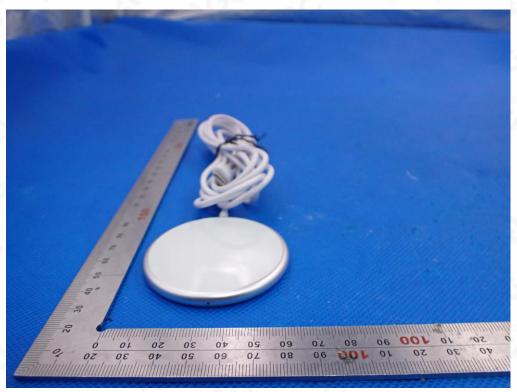
EXTERNAL VIEW-2 OF EUT



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EXTERNAL VIEW-3 OF EUT



EXTERNAL VIEW-4 OF EUT



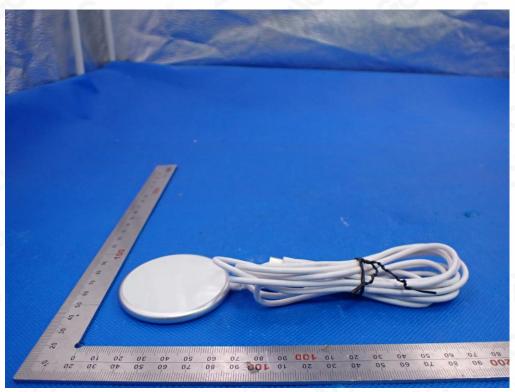
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EXTERNAL VIEW-5 OF EUT



EXTERNAL VIEW-6 OF EUT



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OPEN VIEW-1 OF EUT



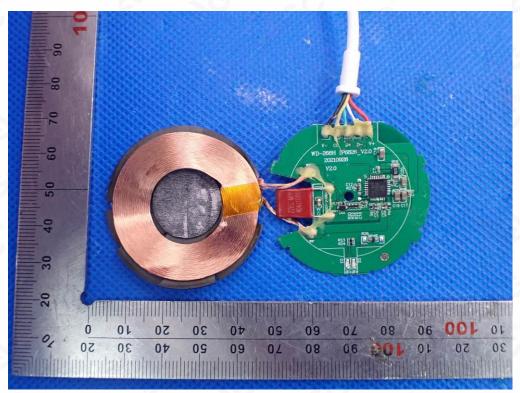
OPEN VIEW-2 OF EUT



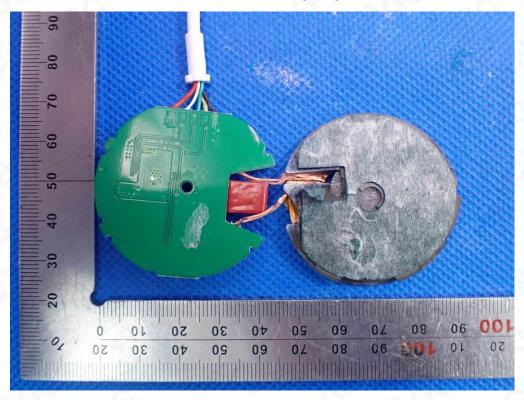
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INTERNAL VIEW-1 OF EUT



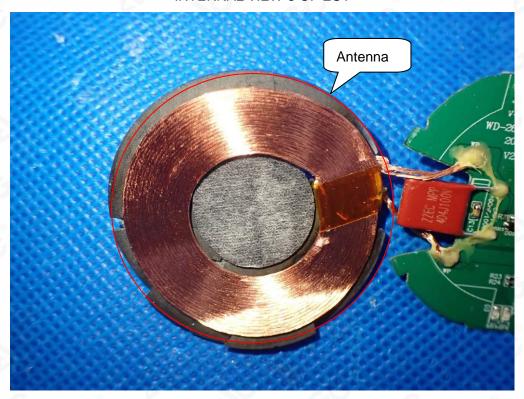
INTERNAL VIEW-2 OF EUT



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the specificated resting/inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter pathorization of AGC, the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



INTERNAL VIEW-3 OF EUT



----END OF REPORT----

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Conditions of Issuance of Test Reports

- 1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
- 2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
- 3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
- 4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
- 5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
- 6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
- 7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
- 8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
- 9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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