



## TEST REPORT

**Application No.:**

GZCR2108020806AT

**Applicant:**

DT Research, Inc.

**Address of Applicant:**

3RD FL NO 36 WUQUAN 7TH RD WUGU DISTRICT, NEW TAIPEI, Taiwan

**Manufacturer:**

DT Research, Inc.

**Address of Manufacturer:**

2000 Concourse Drive, San Jose, CA 95131, USA

**Factory:**

DT Research, Inc. Taiwan Branch

**Address of Factory:**

6F., No.36 Wuquan 7 th Rd., Wugu Dist. New Taipei City 248 Taiwan

**Equipment Under Test (EUT):**

**EUT Name:** Rugged Tablet

**Model No.:** DT382GL, DT382xxxx(x= 0-9, A~Z, - or null)

Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.

**Trade Mark:**

**Standard(s) :**

47 CFR Part 15, Subpart B

**Date of Receipt:**

2021-08-05

**Date of Test:**

2021-08-05 to 2021-08-23

**Date of Issue:**

2021-08-27

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

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

Kobe Jian  
EMC Laboratory Manager



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| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2021-08-27 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

|                          |   |                             |  |
|--------------------------|---|-----------------------------|--|
| Authorized for issue by: |   |                             |  |
|                          |  | Lily Kuang/Project Engineer |  |
|                          |  | Ricky Liu/Reviewer          |  |

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## 2 Test Summary

| <b>Emission Part</b>                                  |                           |                 |                    |               |
|---|---------------------------|-----------------|--------------------|---------------|
| <b>Item</b>   | <b>Standard</b>           | <b>Method</b>   | <b>Requirement</b> | <b>Result</b> |
| Conducted Emissions at Mains Terminals (150kHz-30MHz) | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class B            | Pass          |
| Radiated Emissions (30MHz-1GHz)                       |                           | ANSI C63.4:2014 | Class B            | Pass*         |
| Radiated Emissions (above 1GHz)                       |                           | ANSI C63.4:2014 | Class B            | Pass*         |

\*: the radiated emissions were scanned from 30MHz-40GHz, only the 30MHz-18GHz data is shown in the report, No emission was detected in the range 18GHz-40GHz.

### Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

### ▣ Declaration of EUT Family Grouping:

Model No.: DT382GL, DT382xxxx(x= 0-9, A-Z, - or null)

Only the model DT382GL was tested, since according to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, with only difference on model no.

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## 4 General Information

### 4.1 Details of E.U.T.

|                  |  |
|------------------|--|
| Power supply:    | AC Adapter   |
|                  | Model: A17-065N1A  |
|                  | Input: AC 100-240V, 50/60Hz, 1.8A  |
|                  | Output: DC 20V, 3.25A/DC15V, 3A/DC9V, 2A/DC5V, 2A  |
|                  | Rechargeable lithium-Ion Polymer Battery   |
|                  | Model: ACC-006-60K(3ICP9/36/115)   |
|                  | Rated Capacity:5400mAh   |
|                  | Voltage: 11.4VDC   |
|                  | Watt-Hour: 61.56Wh   |
|                  | Max Charge Voltage:13.05V  |
| Test voltage:    | AC 120V, 60Hz or AC 230V, 50Hz   |
|                  | Note: Both nominal AC 120V, 60Hz and AC 240 V, 50Hz are required for testing in accordance with FCC KDB174176, this report only shows the results of the worst test result(AC 120V, 60Hz); |
| Cable(s):        | AC cable:172cm unshielded  |
|                  | DC cable:175cm unshielded  |
| Internal Source: | More than 108MHz   |

### 4.2 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|-------------|--------------|-----------|------------|
| Earphone    | PHILIPS      | AK423DS   | /          |
| U-disk      | Kingston     | 16G2D     | /          |



#### 4.3 Measurement Uncertainty

| Test Item   | Measurement Uncertainty                   |
|---|---|
| Conducted Emissions at Mains Terminals (150kHz-30MHz) | 3.12dB                                    |
| Radiated Emissions (30MHz-1GHz)                       | 5.06dB (3m)<br>4.46dB (10m)               |
| Radiated Emissions (above 1GHz)                       | 5.08dB (1GHz-6GHz)<br>5.14dB (6GHz-18GHz) |

Remark:  
The  $U_{lab}$  (lab Uncertainty) is less than  $U_{cispr}$  (CISPR Uncertainty), so the test results  
– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;  
– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

#### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,  
198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District,  
Guangzhou, China 510663

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No tests were sub-contracted.

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## 4.5 Test Facility

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

- **NVLAP (Lab Code: 200611-0)**

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

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.

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **CNAS (Lab Code: L0167)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2018 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of Testing Laboratories.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 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.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IEC60061 and Rules of procedure IEC60062, and the relevant IEC60065 CB-Scheme Operational documents.

## 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 |
| Shielding Room  | ChangZhou ZhongYu | 8m x 3m x 3.8m | EMC0306      | N/A        | N/A          |
| Two-Line V-Network-GZ                                 | Rohde & Schwarz   | ENV216         | EMC2135      | 2020-09-25 | 2021-09-24   |
| Coaxial Cable   | HangTianXing      | 2m             | EMC0107      | 2020-09-09 | 2022-09-08   |
| Test Software E3c                                     | Audix             | Ver. 5.4.1221b | GZE100-62    | N/A        | N/A          |
| EMI Test Receiver(9kHz-3.6GHz)                        | Rohde & Schwarz   | ESR4           | EMC2221      | 2021-06-01 | 2022-05-31   |

| Radiated Emissions (30MHz-1GHz)          |                             |               |              |            |              |
|--|-----------------------------|---------------|--------------|------------|--------------|
| Equipment                                | Manufacturer                | Model No      | Inventory No | Cal Date   | Cal Due Date |
| EMI Test Receiver(10Hz-26.5GHz)          | Rohde & Schwarz             | ESIB26        | EMC0522      | 2021-01-08 | 2022-01-07   |
| Chamber cable                            | HangTianXing                | N/A           | EMC0542      | 2020-09-09 | 2022-09-08   |
| Trilog Broadband Antenna(25MHz-1GHz)-Lab | SCHWARZBECK MESS-ELEKTRONIK | VULB 9168     | SEM003-18    | 2019-02-22 | 2022-02-22   |
| Amplifier(9kHz-1.3GHz)                   | HP                          | 8447F         | EMC2065      | 2021-05-19 | 2022-05-18   |
| High Pass Filter (915MHz)                | FSY MICROWAVE               | HM1465-9SS    | EMC2079      | 2021-01-08 | 2022-01-07   |
| 10m Semi-Anechoic Chamber                | ETS                         | N/A           | EMC0530      | 2019-10-20 | 2022-10-19   |
| Test Software E3                         | Audix                       | Ver.6.120110a | GZE100-61    | N/A        | N/A          |

| Radiated Emissions (above 1GHz) |                             |               |              |            |              |
|---------------------------------|-----------------------------|---------------|--------------|------------|--------------|
| Equipment                       | Manufacturer                | Model No      | Inventory No | Cal Date   | Cal Due Date |
| EMI Test Receiver(20Hz-26.5GHz) | Rohde & Schwarz             | ESIB26        | EMC0522      | 2021-01-08 | 2022-01-07   |
| Chamber cable(Above 1GHz)       | Scoflex                     | KMKM-8.0m     | EMC0545      | 2020-09-09 | 2022-09-08   |
| Horn Antenna(1GHz-18GHz)        | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D    | EMC2026      | 2019-09-25 | 2022-09-24   |
| 1GHz-26.5 GHz Pre-Amplifier     | Agilent                     | 8449B         | EMC0521      | 2021-01-08 | 2022-01-07   |
| 966 Anechoic Chamber            | C.R.T                       | 9m x 6m x 6m  | EMC2142      | 2020-12-20 | 2023-12-19   |
| MXE EMI Receiver(10Hz-8.4GHz)   | Keysight                    | N9038A        | EMC2139      | 2020-11-13 | 2021-11-12   |
| Test Software E3                | Audix                       | Ver.6.120110a | GZE100-61    | N/A        | N/A          |



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**General used equipment**

| Equipment | Manufacturer | Model No | Inventory No | Cal Date   | Cal Due Date |
|-----------|--------------|----------|--------------|------------|--------------|
| DMM       | Fluke        | 73       | EMC0006      | 2021-07-05 | 2022-07-05   |
| DMM       | Fluke        | 73       | EMC0007      | 2021-07-05 | 2022-07-05   |

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## 6 Emission Test Results

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

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Limit:

0.15M-0.5MHz 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) 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

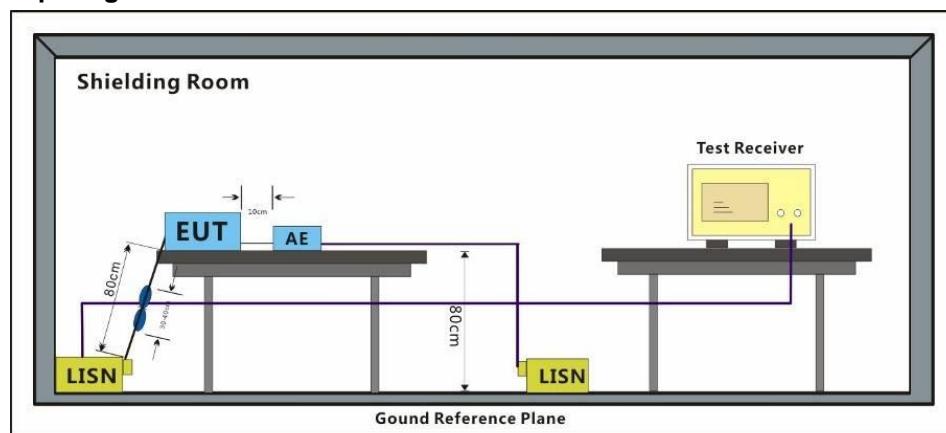
Operating Environment:

Temperature: 21.8 °C      Humidity: 52.7 % RH      Atmospheric Pressure: 1010 mbar

#### 6.1.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description  |
|-----------------------|-----------|--|
| Pre-scan              | 00        | On mode, keep EUT working normally.  |
| Final test            | 01        | On mode, keep EUT working with Adapter, battery, camera, USB and earphone.                     |
| Pre-scan              | 02        | Idle mode, Keep the EUT at standby mode.   |
| Pre-scan              | 03        | Operation(BT):Keep the EUT communicating with other Bluetooth devices.                         |
| Pre-scan              | 04        | Operation(2.4G Wi-Fi):Keep the EUT communicating with router via 2.4G Wi-Fi.                   |
| Pre-scan              | 05        | Operation(5G Wi-Fi)+Charging:Keep the EUT communicating with router via 5G Wi-Fi and charging. |

#### 6.1.3 Test Setup Diagram



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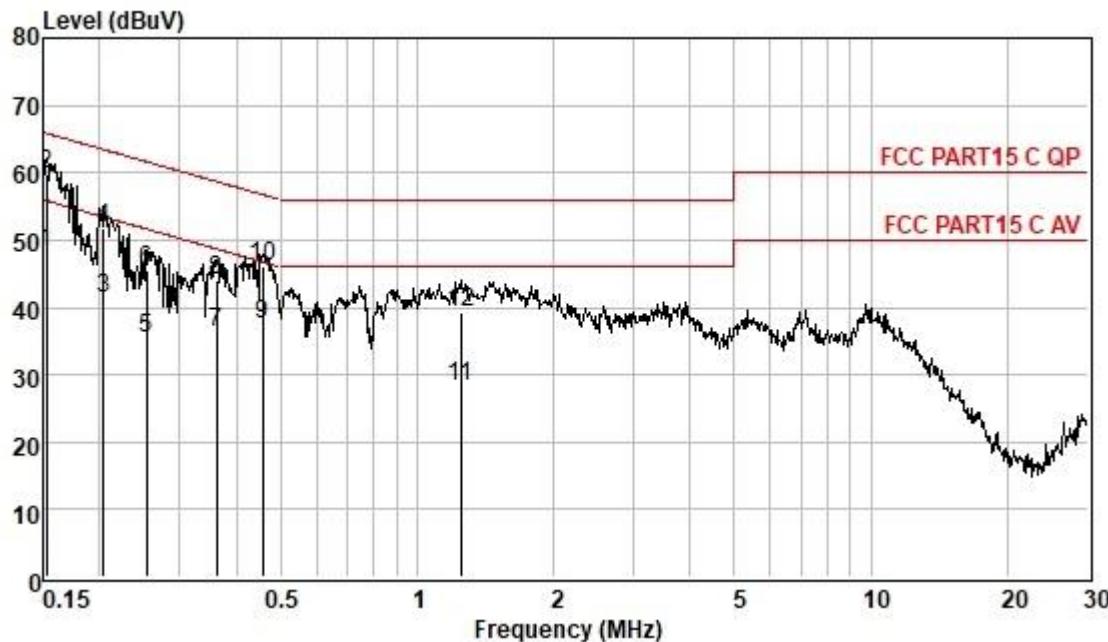


**6.1.4 Measurement Procedure and Data**

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.

Measured Level = Read level + Cable Loss + LISN Factor

Test Mode: 01; Line: Live line



Pol :LINE  
Mode :  
Model :

| Frequenc<br>MHz | Read<br>Level<br>dBuV | Cable<br>Loss<br>dB | LISN<br>Factor<br>dB | Measured<br>Level<br>dBuV | Limit<br>Line<br>dBuV | Over<br>Limit<br>dB | Remark  |
|-----------------|-----------------------|---------------------|----------------------|---------------------------|-----------------------|---------------------|---------|
| 0.15            | 38.52                 | 0.06                | 9.62                 | 48.20                     | 55.87                 | -7.67               | Average |
| 0.15            | 50.05                 | 0.06                | 9.62                 | 59.73                     | 65.87                 | -6.14               | QP      |
| 0.20            | 31.60                 | 0.06                | 9.63                 | 41.29                     | 53.45                 | -12.16              | Average |
| 0.20            | 42.17                 | 0.06                | 9.63                 | 51.86                     | 63.45                 | -11.59              | QP      |
| 0.25            | 25.77                 | 0.06                | 9.62                 | 35.45                     | 51.64                 | -16.19              | Average |
| 0.25            | 35.91                 | 0.06                | 9.62                 | 45.59                     | 61.64                 | -16.05              | QP      |
| 0.36            | 26.53                 | 0.06                | 9.63                 | 36.22                     | 48.69                 | -12.47              | Average |
| 0.36            | 34.38                 | 0.06                | 9.63                 | 44.07                     | 58.69                 | -14.62              | QP      |
| 0.46            | 27.67                 | 0.07                | 9.63                 | 37.37                     | 46.76                 | -9.39               | Average |
| 0.46            | 36.37                 | 0.07                | 9.63                 | 46.07                     | 56.76                 | -10.69              | QP      |
| 1.25            | 18.63                 | 0.09                | 9.61                 | 28.33                     | 46.00                 | -17.67              | Average |
| 1.25            | 29.62                 | 0.09                | 9.61                 | 39.32                     | 56.00                 | -16.68              | QP      |

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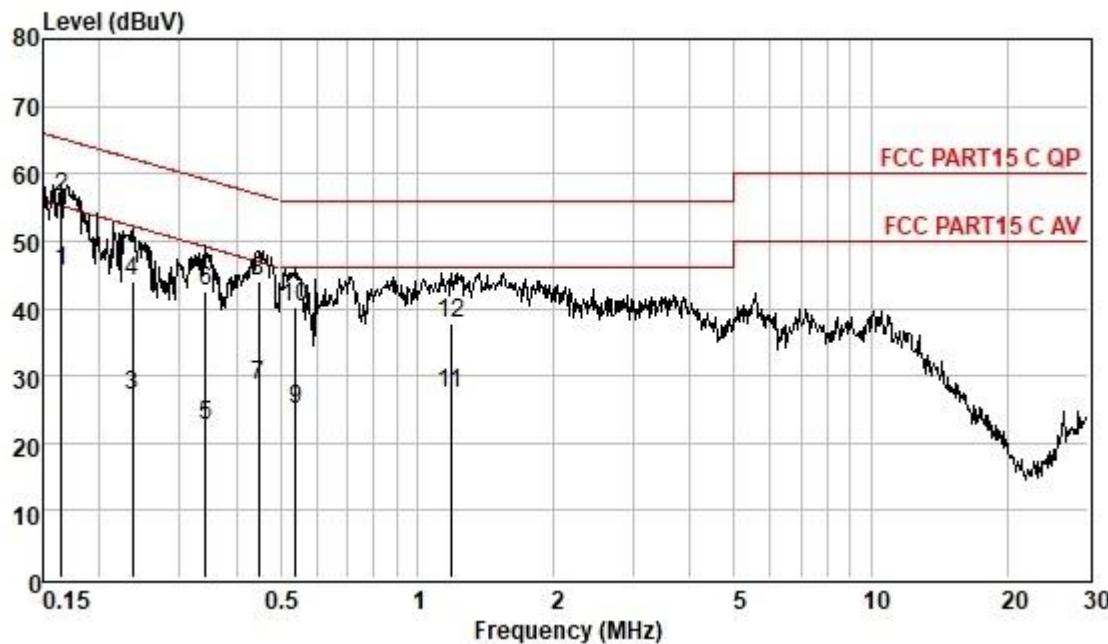


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Test Mode: 01; Line: Neutral Line



Pol :NEUTRAL

Mode :

Model :

| Frequenc<br>MHz | Read<br>Level<br>dBuV | Cable<br>Loss<br>dB | LISN<br>Factor<br>dB | Measured<br>Level<br>dBuV | Limit<br>Line<br>dBuV | Over<br>Limit<br>dB | Remark  |
|-----------------|-----------------------|---------------------|----------------------|---------------------------|-----------------------|---------------------|---------|
| 0.17            | 35.77                 | 0.06                | 9.55                 | 45.38                     | 55.21                 | -9.83               | Average |
| 0.17            | 46.95                 | 0.06                | 9.55                 | 56.56                     | 65.21                 | -8.65               | QP      |
| 0.24            | 17.53                 | 0.06                | 9.55                 | 27.14                     | 52.22                 | -25.08              | Average |
| 0.24            | 34.50                 | 0.06                | 9.55                 | 44.11                     | 62.22                 | -18.11              | QP      |
| 0.34            | 12.97                 | 0.06                | 9.54                 | 22.57                     | 49.13                 | -26.56              | Average |
| 0.34            | 32.87                 | 0.06                | 9.54                 | 42.47                     | 59.13                 | -16.66              | QP      |
| 0.45            | 18.90                 | 0.06                | 9.56                 | 28.52                     | 46.93                 | -18.41              | Average |
| 0.45            | 34.43                 | 0.06                | 9.56                 | 44.05                     | 56.93                 | -12.88              | QP      |
| 0.54            | 15.48                 | 0.07                | 9.55                 | 25.10                     | 46.00                 | -20.90              | Average |
| 0.54            | 30.63                 | 0.07                | 9.55                 | 40.25                     | 56.00                 | -15.75              | QP      |
| 1.18            | 17.61                 | 0.08                | 9.55                 | 27.24                     | 46.00                 | -18.76              | Average |
| 1.18            | 28.03                 | 0.08                | 9.55                 | 37.66                     | 56.00                 | -18.34              | QP      |

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## 6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Limit:

Test Distance: 3m

30MHz -88MHz 40.0(dB $\mu$ V/m) quasi-peak

88MHz-216MHz 43.5(dB $\mu$ V/m) quasi-peak

216MHz-960MHz 46.0(dB $\mu$ V/m) quasi-peak

960MHz-1000MHz 54.0(dB $\mu$ V/m) quasi-peak

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30MHz to1000MHz

### 6.2.1 E.U.T. Operation

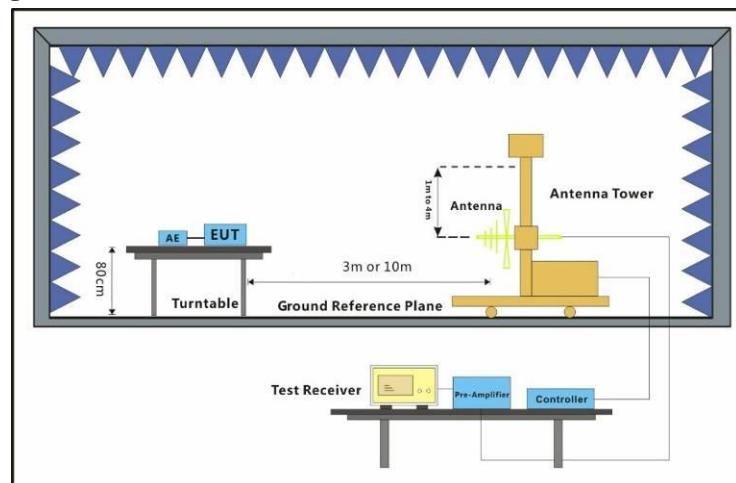
Operating Environment:

Temperature: 23.8 °C      Humidity: 54.6 % RH      Atmospheric Pressure: 1010 mbar

### 6.2.2 Test Mode Description

| Pre-scan / Mode | Mode | Description  |
|-----------------|------|--|
| Final test      | Code |  |
| Pre-scan        | 00   | On mode, keep EUT working normally.  |
| Final test      | 01   | On mode, keep EUT working with Adapter, battery, camera, USB and earphone.                     |
| Pre-scan        | 02   | Idle mode, Keep the EUT at standby mode.   |
| Pre-scan        | 03   | Operation(BT):Keep the EUT communicating with other Bluetooth devices.                         |
| Pre-scan        | 04   | Operation(2.4G Wi-Fi):Keep the EUT communicating with router via 2.4G Wi-Fi.                   |
| Pre-scan        | 05   | Operation(5G Wi-Fi)+Charging:Keep the EUT communicating with router via 5G Wi-Fi and charging. |

### 6.2.3 Test Setup Diagram



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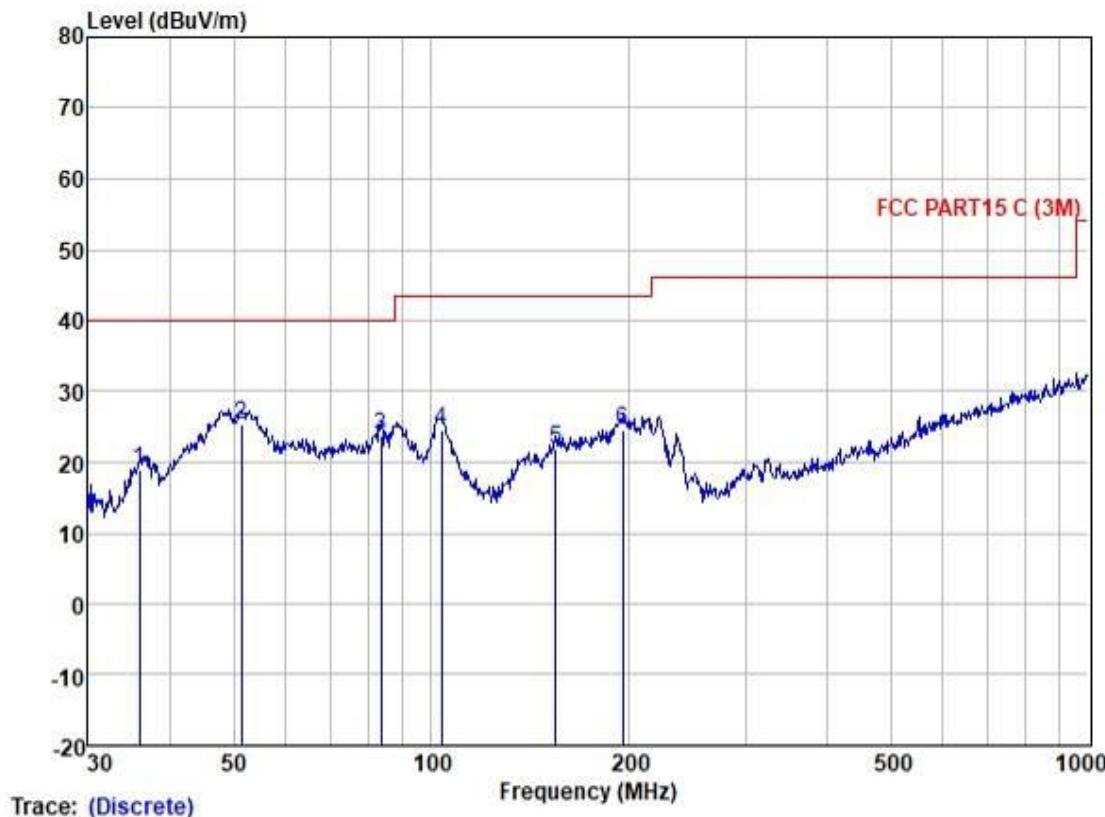
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**6.2.4 Measurement Procedure and Data**

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.

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Test Mode: 01; Polarity: Horizontal



Site : SGS  
 Condition : FCC PART15 C (3M)  
 Job :  
 Model :  
 Power :  
 Test Mode : 01

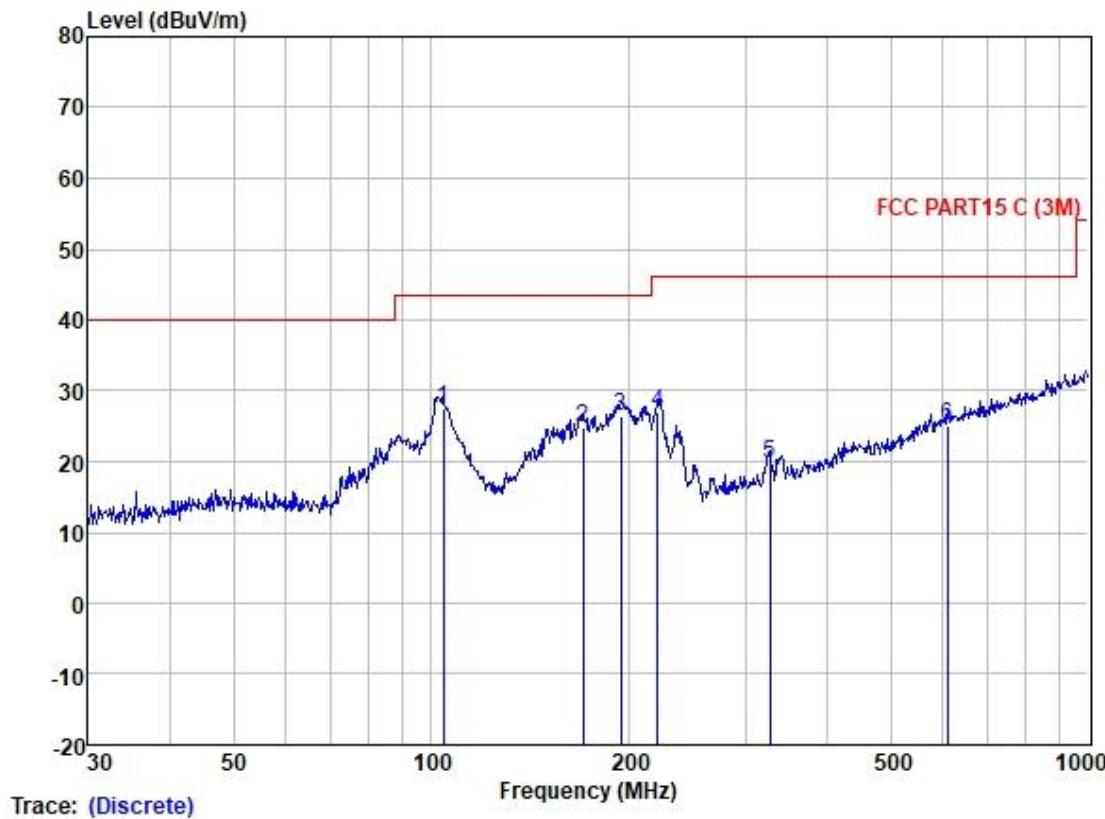
| Freq | Read   | Antenna | Cable | Preamp | Measured | Limit | Over  | Pol/   | Remark      |
|------|--------|---------|-------|--------|----------|-------|-------|--------|-------------|
|      | Level  | Factor  | Loss  | Factor | Level    | Line  | Limit | Phase  |             |
| 1    | 35.87  | 32.07   | 12.99 | 1.07   | 27.18    | 18.95 | 40.00 | -21.05 | VERTICAL QP |
| 2    | 51.30  | 37.38   | 13.96 | 1.15   | 27.17    | 25.32 | 40.00 | -14.68 | VERTICAL QP |
| 3    | 83.82  | 41.38   | 8.04  | 1.53   | 27.09    | 23.86 | 40.00 | -16.14 | VERTICAL QP |
| 4    | 103.44 | 40.13   | 9.67  | 1.75   | 27.07    | 24.48 | 43.50 | -19.02 | VERTICAL QP |
| 5    | 154.28 | 32.51   | 13.78 | 2.28   | 26.82    | 21.75 | 43.50 | -21.75 | VERTICAL QP |
| 6    | 195.14 | 38.12   | 10.67 | 2.50   | 26.74    | 24.55 | 43.50 | -18.95 | VERTICAL QP |

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Test Mode: 01; Polarity: Vertical



Trace: (Discrete)

Site : SGS  
Condition : FCC PART15 C (3M)  
Job :  
Model :  
Power :  
Test Mode : 01

| Freq | Read   | Antena | Cable | Preamp | Measured | Limit | Over   | Pol/       | Remark |
|------|--------|--------|-------|--------|----------|-------|--------|------------|--------|
|      | Level  | Factor | Loss  | Factor | Level    | Line  | Limit  | Phase      |        |
| 1    | 104.17 | 42.97  | 9.80  | 1.75   | 27.45    | 43.50 | -16.05 | HORIZONTAL | QP     |
| 2    | 170.19 | 35.98  | 13.10 | 2.40   | 24.71    | 43.50 | -18.79 | HORIZONTAL | QP     |
| 3    | 194.45 | 40.01  | 10.73 | 2.50   | 26.50    | 43.50 | -17.00 | HORIZONTAL | QP     |
| 4    | 220.62 | 41.17  | 9.81  | 2.65   | 26.93    | 46.00 | -19.07 | HORIZONTAL | QP     |
| 5    | 327.89 | 28.59  | 14.45 | 3.38   | 19.70    | 46.00 | -26.30 | HORIZONTAL | QP     |
| 6    | 609.92 | 27.81  | 20.30 | 5.18   | 25.08    | 46.00 | -20.92 | HORIZONTAL | QP     |

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### 6.3 Radiated Emissions (above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Limit:

Above 1GHz 74(dB $\mu$ V/m) peak, 54(dB $\mu$ V/m) average

Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to 18000MHz

#### 6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

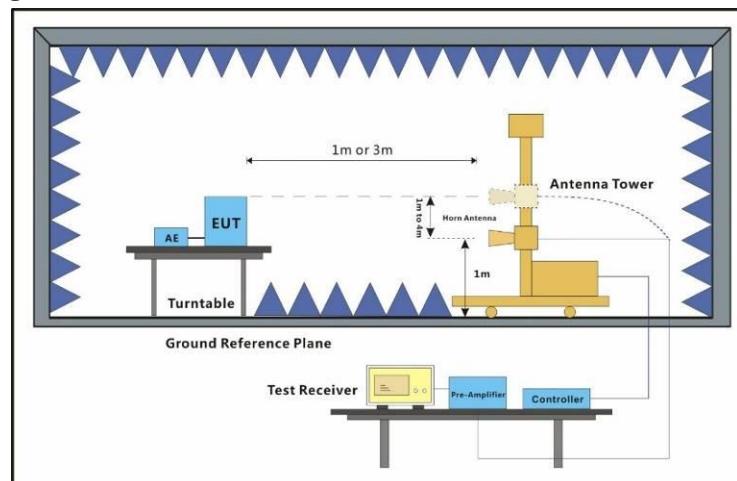
Humidity: 56.3 % RH

Atmospheric Pressure: 1010 mbar

#### 6.3.2 Test Mode Description

| Pre-scan / Mode | Mode Code | Description  |
|-----------------|-----------|--|
| Final test      | 00        | On mode, keep EUT working normally.  |
| Pre-scan        | 01        | On mode, keep EUT working with Adapter, battery, camera, USB and earphone.                     |
| Pre-scan        | 02        | Idle mode, Keep the EUT at standby mode.   |
| Pre-scan        | 03        | Operation(BT):Keep the EUT communicating with other Bluetooth devices.                         |
| Pre-scan        | 04        | Operation(2.4G Wi-Fi):Keep the EUT communicating with router via 2.4G Wi-Fi.                   |
| Pre-scan        | 05        | Operation(5G Wi-Fi)+Charging:Keep the EUT communicating with router via 5G Wi-Fi and charging. |

#### 6.3.3 Test Setup Diagram



#### 6.3.4 Measurement Procedure and 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.

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor



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## Test Mode: 01; Polarity: Horizontal

| Freq | ReadAntenna |        | Cable Preamp |        | Limit | Over   | Pol/Phase | Remark                    |
|------|-------------|--------|--------------|--------|-------|--------|-----------|---------------------------|
|      | Level       | Factor | Loss         | Factor |       |        |           |                           |
|      | MHz         | dBuV   | dB/m         | dB     | dB    | dBuV/m | dBuV/m    | dB                        |
| 1    | 1011.629    | 49.03  | 24.22        | 2.25   | 38.50 | 37.00  | 54.00     | -17.00 HORIZONTAL Average |
| 2    | 1011.629    | 55.46  | 24.22        | 2.25   | 38.50 | 43.43  | 74.00     | -30.57 HORIZONTAL Peak    |
| 3    | 1927.289    | 41.20  | 26.06        | 2.95   | 37.74 | 32.47  | 54.00     | -21.53 HORIZONTAL Average |
| 4    | 1927.289    | 46.59  | 26.06        | 2.95   | 37.74 | 37.86  | 74.00     | -36.14 HORIZONTAL Peak    |
| 5    | 3205.345    | 37.68  | 28.60        | 4.00   | 37.09 | 33.19  | 54.00     | -20.81 HORIZONTAL Average |
| 6    | 3205.345    | 45.62  | 28.60        | 4.00   | 37.09 | 41.13  | 74.00     | -32.87 HORIZONTAL Peak    |
| 7    | 4573.760    | 38.02  | 30.91        | 5.33   | 36.82 | 37.44  | 54.00     | -16.56 HORIZONTAL Average |
| 8    | 4573.760    | 46.03  | 30.91        | 5.33   | 36.82 | 45.45  | 74.00     | -28.55 HORIZONTAL Peak    |
| 9    | 7326.267    | 33.19  | 36.00        | 6.13   | 37.43 | 37.89  | 54.00     | -16.11 HORIZONTAL Average |
| 10   | 7326.267    | 41.07  | 36.00        | 6.13   | 37.43 | 45.77  | 74.00     | -28.23 HORIZONTAL Peak    |
| 11   | 10822.920   | 31.34  | 39.89        | 7.61   | 37.30 | 41.54  | 54.00     | -12.46 HORIZONTAL Average |
| 12   | 10822.920   | 39.84  | 39.89        | 7.61   | 37.30 | 50.04  | 74.00     | -23.96 HORIZONTAL Peak    |

## Test Mode: 01; Polarity: Vertical

| Freq | ReadAntenna |        | Cable Preamp |        | Limit | Over   | Pol/Phase | Remark                  |
|------|-------------|--------|--------------|--------|-------|--------|-----------|-------------------------|
|      | Level       | Factor | Loss         | Factor |       |        |           |                         |
|      | MHz         | dBuV   | dB/m         | dB     | dB    | dBuV/m | dBuV/m    | dB                      |
| 1    | 1032.305    | 47.50  | 24.25        | 2.34   | 38.49 | 35.60  | 54.00     | -18.40 VERTICAL Average |
| 2    | 1032.305    | 54.61  | 24.25        | 2.34   | 38.49 | 42.71  | 74.00     | -31.29 VERTICAL Peak    |
| 3    | 2053.822    | 40.30  | 26.19        | 3.12   | 37.69 | 31.92  | 54.00     | -22.08 VERTICAL Average |
| 4    | 2053.822    | 46.84  | 26.19        | 3.12   | 37.69 | 38.46  | 74.00     | -35.54 VERTICAL Peak    |
| 5    | 2999.187    | 41.01  | 28.40        | 3.80   | 37.25 | 35.96  | 54.00     | -18.04 VERTICAL Average |
| 6    | 2999.187    | 45.44  | 28.40        | 3.80   | 37.25 | 40.39  | 74.00     | -33.61 VERTICAL Peak    |
| 7    | 5487.260    | 37.75  | 31.80        | 6.36   | 36.88 | 39.03  | 54.00     | -14.97 VERTICAL Average |
| 8    | 5487.260    | 44.21  | 31.80        | 6.36   | 36.88 | 45.49  | 74.00     | -28.51 VERTICAL Peak    |
| 9    | 9530.432    | 31.97  | 38.32        | 7.09   | 37.43 | 39.95  | 54.00     | -14.05 VERTICAL Average |
| 10   | 9530.432    | 39.37  | 38.32        | 7.09   | 37.43 | 47.35  | 74.00     | -26.65 VERTICAL Peak    |
| 11   | 12947.070   | 37.76  | 39.16        | 8.50   | 36.30 | 49.12  | 74.00     | -24.88 VERTICAL Peak    |
| 12   | 12947.070   | 31.29  | 39.16        | 8.50   | 36.30 | 42.65  | 54.00     | -11.35 VERTICAL Average |

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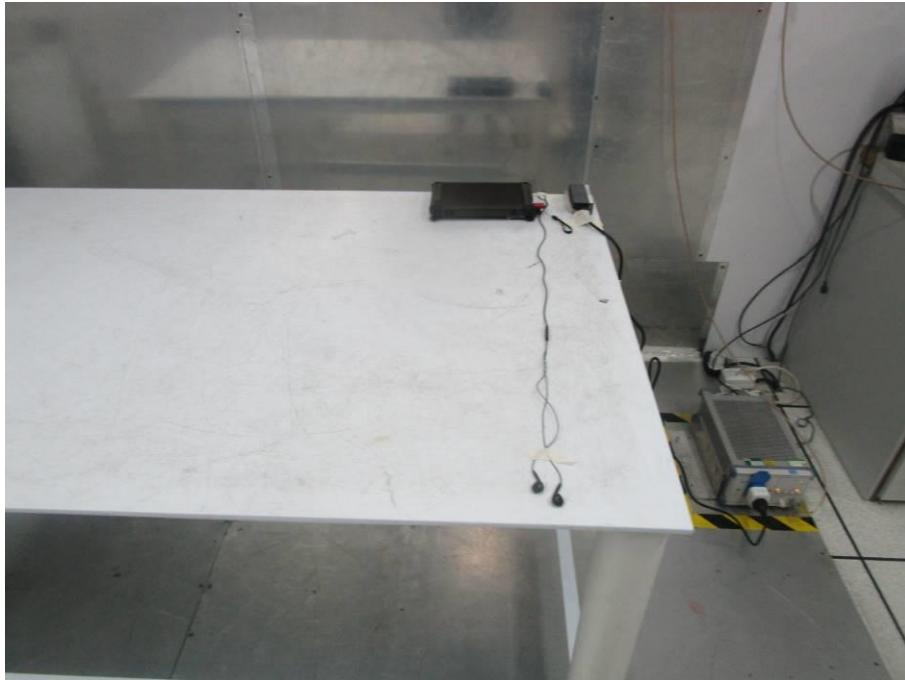
SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center EEC Laboratory

No.198 Kezhi Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgsgroup.com.cn

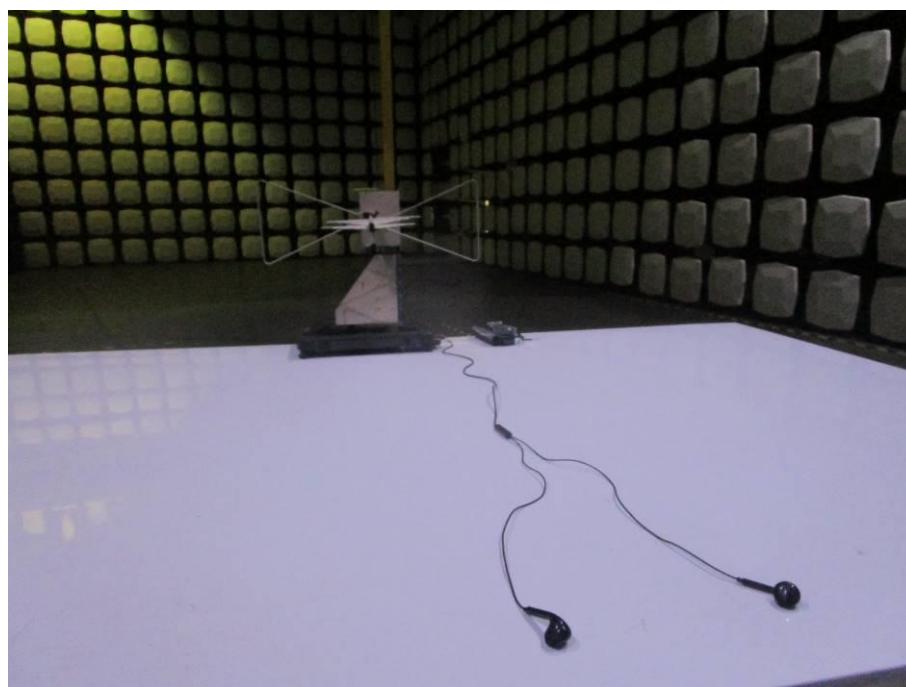
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## 7 Test Setup Photo

### Conducted Emissions at AC Power Line (150kHz-30MHz)

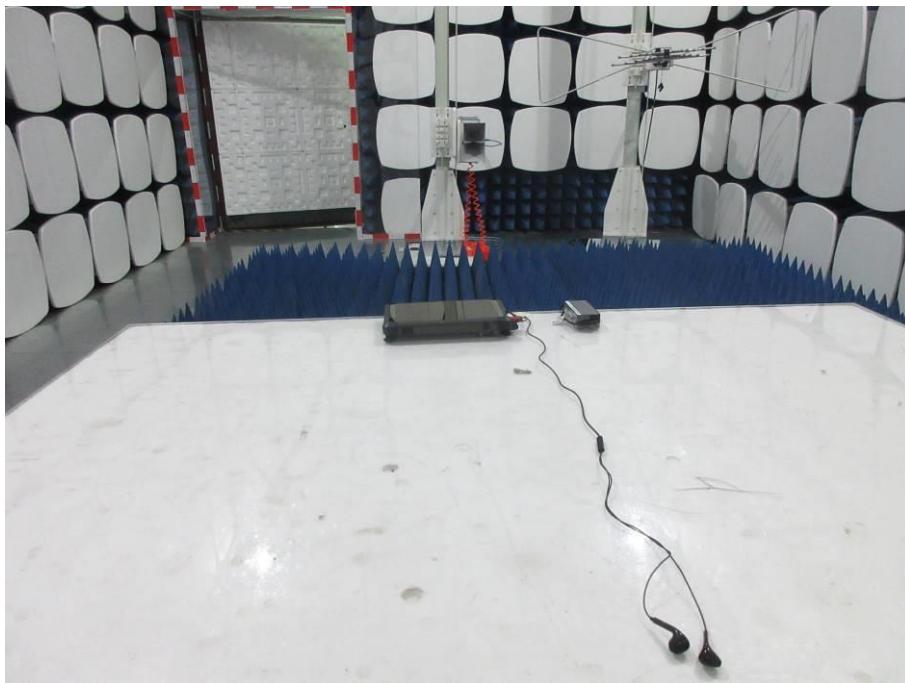


### Radiated Emissions below 1GHz



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**Radiated Emissions above 1GHz****8 EUT Constructional Details (EUT Photos)**

Refer to Appendix - external and internal photos for GZCR2108020806AT

- End of the Report -

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