

# FCC Test Report FCC ID: 2AOWK-3113

**Product:** Tablet

Trade Mark: ulefone

Model No.: GQ3113

Family Model: Armor Pad 2, Armor Pad 2 Pro,

Armor Pad 2 Ultra, Armor Pad 2S, Armor Pad 2P, Armor Pad 2T, Armor

Pad 2E

Report No.: S23081603807008

**Issue Date:** Oct 10, 2023

#### Prepared for

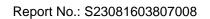
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# Prepared by

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Version.1.2 Page 1 of 19





**Authorized Signatory** 

#### **TEST RESULT CERTIFICATION**

Applicant's name : Shenzhen Gotron Electronic CO.,LTD. 7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua Address: District, Shenzhen City, Guangdong Province China Manufacturer's Name Shenzhen Gotron Electronic CO.,LTD. 7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua Address: District, Shenzhen City, Guangdong Province China Product description Product name: **Tablet** Trade Mark ulefone Model and/or type reference: GQ3113 Armor Pad 2, Armor Pad 2 Pro, Armor Pad 2 Ultra, Armor Pad Family Model: 2S, Armor Pad 2P, Armor Pad 2T, Armor Pad 2E S230816038003 Test Sample number: FCC Part 15B Standards .....: ANSI C63.4:2014 This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report. This report shall not be reproduced except in full, without the written approval of NTEK, this document may be altered or revised by NTEK, personnel only, and shall be noted in the revision of the document. Date of Test ..... Date (s) of performance of tests ...... Aug 16, 2023 ~ Oct 10, 2023 Test Result....: **Pass** (Mary Hu) **Testing Engineer** 

Version.1.2 Page 2 of 19

(Alex Li)

| Table of Contents                                 | Page |
|---|------|
| 1 . TEST SUMMARY                                  | 4    |
| 1.1 TEST FACILITY                                 | 5    |
| 1.2 MEASUREMENT UNCERTAINTY                       | 5    |
| 2 . GENERAL INFORMATION                           | 6    |
| 2.1 GENERAL DESCRIPTION OF EUT                    | 6    |
| 2.2 DESCRIPTION OF TEST SETUP                     | 8    |
| 2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERA | AL 9 |
| 2.4 MEASUREMENT INSTRUMENTS LIST                  | 10   |
| 3 . EMC EMISSION TEST                             | 11   |
| 3.1 CONDUCTED EMISSION MEASUREMENT                | 11   |
| 3.1.1 POWER LINE CONDUCTED EMISSION               | 11   |
| 3.1.2 TEST PROCEDURE                              | 12   |
| 3.1.3 TEST SETUP                                  | 12   |
| 3.1.4 EUT OPERATING CONDITIONS                    | 12   |
| 3.1.5 TEST RESULTS                                | 13   |
| 3.2 RADIATED EMISSION MEASUREMENT                 | 15   |
| 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT     | 15   |
| 3.2.2 TEST PROCEDURE                              | 15   |
| 3.2.3 TEST SETUP                                  | 16   |
| 3.2.4 TEST RESULTS                                | 17   |
| 3 2 5 TEST DESULTS(1000, 18000MHz)                | 10   |

Version.1.2 Page 3 of 19

# 1. TEST SUMMARY

Test procedures according to the technical standards:

| EMC Emission     |                    |         |          |        |  |  |  |  |  |
|------------------|--------------------|---------|----------|--------|--|--|--|--|--|
| Standard         | Test Item          | Limit   | Judgment | Remark |  |  |  |  |  |
| FCC Part15B      | Conducted Emission | Class B | PASS     |        |  |  |  |  |  |
| ANSI C63.4: 2014 | Radiated Emission  | Class B | PASS     |        |  |  |  |  |  |

# NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.

Version.1.2 Page 4 of 19

# 1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District,

Shenzhen 518126 P.R. China.

IC-Registration The Certificate Registration Number is 9270A.

CAB identifier:CN0074

FCC- Accredited Test Firm Registration Number: 463705.

Designation Number: CN1184

#### 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $\mathbf{y} \pm \mathbf{U}$ , where expended uncertainty  $\mathbf{U}$  is based on a standard uncertainty multiplied by a coverage factor of  $\mathbf{k=2}$ , providing a level of confidence of approximately 95 %.

#### A. Conducted Measurement:

| Test Site | Method | Measurement Frequency Range | U, (dB) | NOTE |
|-----------|--------|-----------------------------|---------|------|
| NTEKC01   | ANSI   | 150 KHz ~ 30MHz             | ±2.80dB |      |

#### B. Radiated Measurement:

| Test Site | Method | Measurement Frequency Range | U, (dB) | NOTE |
|-----------|--------|-----------------------------|---------|------|
| NTEKA01   | ANSI   | 30MHz~1000MHz               | ±2.64dB |      |
|           |        | 1GHz~6GHz                   | ±2.40dB |      |
|           |        | 6GHz~26.5GHz                | ±2.52dB |      |

Version.1.2 Page 5 of 19



# 2. GENERAL INFORMATION

# 2.1 GENERAL DESCRIPTION OF EUT

| Equipment           | Tablet                                      |  |  |  |
|---------------------|---|--|--|--|
| Trade Mark          | ulefone                                     |  |  |  |
| Model Name          | GQ3113                                      |  |  |  |
| Family Model        | Armor Pad 2, Armor Pad                      | 2 Pro, Armor Pad 2 Ultra, Armor Pad 2S, Armor  |  |  |
|                     | Pad 2P, Armor Pad 2T, A                     | Armor Pad 2E   |  |  |
| Model Difference    | All the model are the san                   | ne circuit and RF module, except the model   |  |  |
| Model Difference    | names.                                      |  |  |  |
|                     | Connecting I/O port:                        | Micro USB, Earphone  |  |  |
|                     | <u> </u>                                    | ,  |  |  |
| Product Description | Operation Frequency:                        | 5.8GHz   |  |  |
|                     | Manual, the EUT is cons                     | i, features, or specification exhibited in User's idered as an ITE/Computing Device. More details eation, please refer to the User's Manual. |  |  |
|                     | Model:UF82PD3301                            |  |  |  |
|                     | Input: 100-240V~50/60Hz 0.8A                |  |  |  |
| Adaptor             | Output: 5.0V3.0A 15.0W or 9.0V3.0A 27.0W    |  |  |  |
| Adapter             | or 11.0V3.0A 33.0W or 12.0V2.5A 30.0W       |  |  |  |
|                     | or 15.0V===2.0A 30                          | 0.0W or 20.0V <del></del> 1.5A 30.0W   |  |  |
|                     | PPS:3.3V- 11.0V =3.0A 33.0W Max             |  |  |  |
| Battery             | DC 3.85V,18600mAh, 71.61Wh                  |  |  |  |
| Power supply        | DC 3.85V from battery or DC 5V from adapter |  |  |  |
| HW Version          | L1-03                                       |  |  |  |
| SW Version          | N/A   |  |  |  |

Page 6 of 19 Version.1.2



# 2.1.1 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

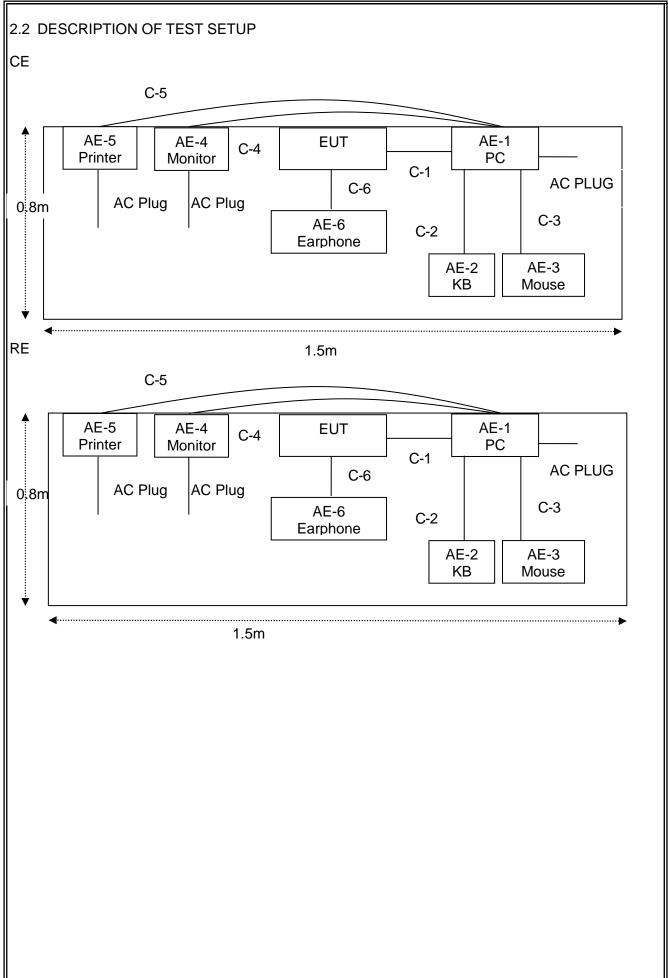
| Pretest Mode | Description           |
|--------------|-----------------------|
| Model 1      | USB Data Transmission |
| Model 2      | REC                   |
| Model 3      | FM                    |
| Model 4      | GPS                   |

| For Conducted Test          |                       |  |  |  |  |
|-----------------------------|-----------------------|--|--|--|--|
| Final Test Mode Description |                       |  |  |  |  |
| Model 1                     | USB Data Transmission |  |  |  |  |
| Model 2                     | REC                   |  |  |  |  |
| Model 3                     | FM                    |  |  |  |  |
| Model 4                     | GPS                   |  |  |  |  |

| For Radiated Test           |                       |  |  |  |  |  |
|-----------------------------|-----------------------|--|--|--|--|--|
| Final Test Mode Description |                       |  |  |  |  |  |
| Model 1                     | USB Data Transmission |  |  |  |  |  |
| Model 2                     | REC                   |  |  |  |  |  |
| Model 3                     | FM                    |  |  |  |  |  |
| Model 4                     | GPS                   |  |  |  |  |  |

Note: Final Test Mode: Through Pre-scan, find the model 1 is the worst case. Only the worst case mode is recorded in the report.

Version.1.2 Page 7 of 19



Version.1.2 Page 8 of 19



#### 2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Brand | Model/Type No. | Series No. | Note        |  |
|------|-----------|-------|----------------|------------|-------------|--|
| AE-1 | PC        | DELL  | FT4Y23X        | N/A        | Peripherals |  |
| AE-2 | KB        | N/A   | N/A            | N/A        | Peripherals |  |
| AE-3 | Mouse     | DELL  | MS111-P        | N/A        | Peripherals |  |
| AE-4 | Monitor   | DELL  | IN2020MB       | N/A        | Peripherals |  |
| AE-5 | Printer   | Canon | L11121E        | N/A        | Peripherals |  |
| AE-6 | Earphone  | N/A   | N/A            | N/A        | Peripherals |  |
|      |           |       |                |            |             |  |

| Item | Cable Type     | Shielded Type | Ferrite Core | Length | Note |
|------|----------------|---------------|--------------|--------|------|
| C-1  | USB Cable      | YES           | NO           | 1.0m   |      |
| C-2  | USB Cable      | NO            | NO           | 1.2m   |      |
| C-3  | USB Cable      | NO            | ОИ           | 1.2m   |      |
| C-4  | HDMI Cable     | YES           | YES          | 1.0m   |      |
| C-5  | USB Cable      | NO            | NO           | 1.2m   |      |
| C-6  | Earphone Cable | NO            | NO           | 1.2m   |      |
|      |                |               |              |        | _    |

#### Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>[Length\_]</code> column.
- (3) "YES" means "shielded" "with core"; "NO" means "unshielded" "without core".

Version.1.2 Page 9 of 19

# 2.4 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

| Item | Kind of Equipment                | Manufacturer    | Type No.        | Serial No.        | Last calibration | Calibrated until | Calibratio n period |
|------|----------------------------------|-----------------|-----------------|-------------------|------------------|------------------|---------------------|
| 1    | Spectrum<br>Analyzer             | Aglient         | E4440A          | MY4100013<br>0    | 2023.03.27       | 2024.03.26       | 1 year              |
| 2    | Test Receiver                    | R&S             | ESPI            | 101318            | 2023.03.27       | 2024.03.26       | 1 year              |
| 3    | Bilog Antenna                    | TESEQ           | CBL6111D        | 31216             | 2023.03.16       | 2024.03.15       | 1 year              |
| 4    | 50Ω Coaxial<br>Switch            | Anritsu         | MP59B           | 620026441<br>6    | 2023.05.06       | 2026.05.05       | 3 year              |
| 5    | Spectrum<br>Analyzer             | ADVANTEST       | R3132           | 150900201         | 2023.03.27       | 2024.03.26       | 1 year              |
| 6    | Horn Antenna                     | SCHWARZB<br>ECK | BBHA 9120<br>D  | 2816              | 2023.01.12       | 2024.01.11       | 1 year              |
| 7    | Horn Ant                         | Schwarzbeck     | BBHA 9170       | 9170-181          | 2022.11.07       | 2023.11.06       | 1 year              |
| 8    | Amplifier                        | EMC             | EMC05183<br>5SE | 980246            | 2023.05.29       | 2024.05.28       | 1 year              |
| 9    | Loop Antenna                     | ARA             | PLA-1030/B      | 1029              | 2023.05.29       | 2024.05.28       | 1 year              |
| 10   | Power Meter                      | DARE            | RPR3006W        | 15I00041S<br>NO84 | 2023.05.29       | 2024.05.28       | 1 year              |
| 11   | Power<br>Sensor                  | R&S             | URV4-Z4         | 0395.1619.<br>05  | 2023.05.29       | 2024.05.28       | 1 year              |
| 12   | Test Cable<br>(30MHz-1GH<br>z)   | N/A             | R-02            | N/A               | 2022.06.17       | 2025.06.16       | 3 year              |
| 13   | High Test<br>Cable(1G-40<br>GHz) | N/A             | R-03            | N/A               | 2022.06.17       | 2025.06.16       | 3 year              |
| 14   | High Test<br>Cable(1G-40<br>GHz) | N/A             | R-04            | N/A               | 2022.06.17       | 2025.06.16       | 3 year              |
| 15   | Test Receiver                    | R&S             | ESCI            | 101160            | 2023.03.27       | 2024.03.26       | 1 year              |

AC Conduction Test equipment

| Item | Kind of                    | Manufactu       | Type No.  | Serial No.     | Last        | Calibrated | Calibratio |
|------|----------------------------|-----------------|-----------|----------------|-------------|------------|------------|
|      | Equipment                  | rer             |           |                | calibration | until      | n period   |
| 1    | Test Receiver              | R&S             | ESCI      | 101160         | 2023.03.27  | 2024.03.26 | 1 year     |
| 2    | LISN                       | R&S             | ENV216    | 101313         | 2023.03.27  | 2024.03.26 | 1 year     |
| 3    | LISN                       | SCHWAR<br>ZBECK | NNLK 8129 | 8129245        | 2023.03.27  | 2024.03.26 | 1 year     |
| 4    | 50Ω Coaxial<br>Switch      | ANRITSU<br>CORP | MP59B     | 620098370<br>4 | 2023.05.06  | 2026.05.05 | 3 year     |
| 5    | Test Cable<br>(9KHz-30MHz) | N/A             | C01       | N/A            | 2023.05.06  | 2026.05.05 | 3 year     |
| 6    | Test Cable<br>(9KHz-30MHz) | N/A             | C02       | N/A            | 2023.05.06  | 2026.05.05 | 3 year     |
| 7    | Test Cable<br>(9KHz-30MHz) | N/A             | C03       | N/A            | 2023.05.06  | 2026.05.05 | 3 year     |

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable which is scheduled for calibration every 3 years.

Version.1.2 Page 10 of 19



# 3. EMC EMISSION TEST

# 3.1 CONDUCTED EMISSION MEASUREMENT

# 3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

|                 | Class A    | (dBuV)  | Class B (dBuV) |           |  |
|-----------------|------------|---------|----------------|-----------|--|
| FREQUENCY (MHz) | Quasi-peak | Average | Quasi-peak     | Average   |  |
| 0.15 -0.5       | 79.00      | 66.00   | 66 - 56 *      | 56 - 46 * |  |
| 0.50 -5.0       | 73.00      | 60.00   | 56.00          | 46.00     |  |
| 5.0 -30.0       | 73.00      | 60.00   | 60.00          | 50.00     |  |

#### Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

| te following table is the setting of the receiver |          |  |  |  |
|---|----------|--|--|--|
| Receiver Parameters                               | Setting  |  |  |  |
| Attenuation                                       | 10 dB    |  |  |  |
| Start Frequency                                   | 0.15 MHz |  |  |  |
| Stop Frequency                                    | 30 MHz   |  |  |  |
| IF Bandwidth                                      | 9 kHz    |  |  |  |

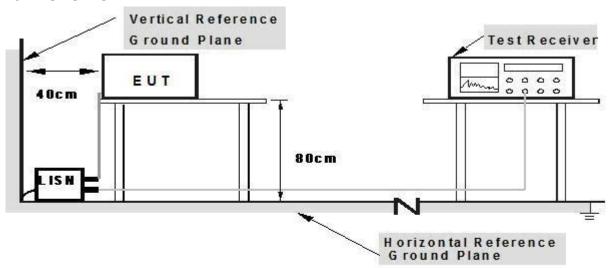
Version.1.2 Page 11 of 19



#### 3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

#### 3.1.3 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

## 3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

Version.1.2 Page 12 of 19



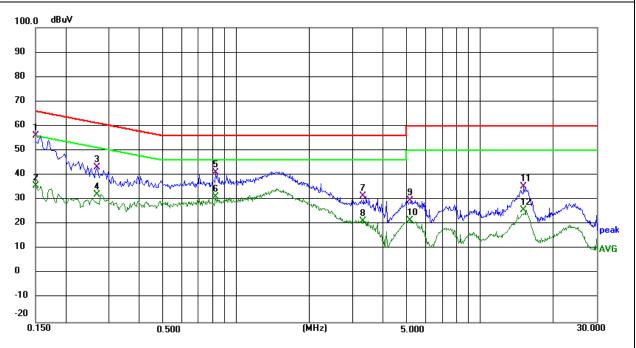
# 3.1.5 TEST RESULTS

| EUT:          | Tablet                     | Model Name. :      | GQ3113     |
|---------------|----------------------------|--------------------|------------|
| Temperature:  | <b>24.5</b> ℃              | Relative Humidity: | 52%        |
| Pressure:     | 1010hPa                    | Test Date:         | 2023-08-25 |
| Test Mode:    | Mode 1                     | Phase :            | L          |
| Test Voltage: | DC 5V from PC AC 120V/60Hz |                    |            |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Remark |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz)     | (dBµV)        | (dB)           | (dBµV)       | (dBµV) | (dB)   | Remark |
| 0.1500    | 46.10         | 9.93           | 56.03        | 66.00  | -9.97  | QP     |
| 0.1500    | 25.71         | 9.93           | 35.64        | 56.00  | -20.36 | AVG    |
| 0.2700    | 33.08         | 10.18          | 43.26        | 61.12  | -17.86 | QP     |
| 0.2700    | 21.97         | 10.18          | 32.15        | 51.12  | -18.97 | AVG    |
| 0.8260    | 29.80         | 11.32          | 41.12        | 56.00  | -14.88 | QP     |
| 0.8260    | 19.86         | 11.32          | 31.18        | 46.00  | -14.82 | AVG    |
| 3.2980    | 21.80         | 9.67           | 31.47        | 56.00  | -24.53 | QP     |
| 3.2980    | 11.67         | 9.67           | 21.34        | 46.00  | -24.66 | AVG    |
| 5.1620    | 20.10         | 9.67           | 29.77        | 60.00  | -30.23 | QP     |
| 5.1620    | 11.82         | 9.67           | 21.49        | 50.00  | -28.51 | AVG    |
| 15.0940   | 25.50         | 9.71           | 35.21        | 60.00  | -24.79 | QP     |
| 15.0940   | 16.18         | 9.71           | 25.89        | 50.00  | -24.11 | AVG    |

#### Remark:

<sup>2.</sup> Factor = Insertion Loss + Cable Loss.



Version.1.2 Page 13 of 19

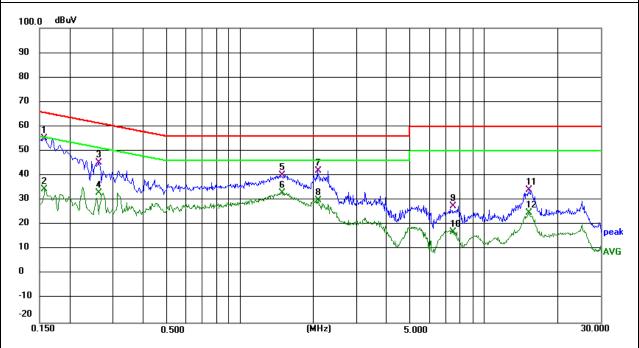
<sup>1.</sup> All readings are Quasi-Peak and Average values.

| EUT:          | Tablet                     | Model Name. :      | GQ3113     |
|---------------|----------------------------|--------------------|------------|
| Temperature:  | <b>24.5</b> ℃              | Relative Humidity: | 52%        |
| Pressure:     | 1010hPa                    | Test Date:         | 2023-08-25 |
| Test Mode:    | Mode 1                     | Phase :            | N          |
| Test Voltage: | DC 5V from PC AC 120V/60Hz |                    |            |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Remark |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz)     | (dBµV)        | (dB)           | (dBµV)       | (dBµV) | (dB)   | Remark |
| 0.1580    | 45.34         | 9.95           | 55.29        | 65.57  | -10.28 | QP     |
| 0.1580    | 24.63         | 9.95           | 34.58        | 55.57  | -20.99 | AVG    |
| 0.2620    | 35.12         | 10.16          | 45.28        | 61.37  | -16.09 | QP     |
| 0.2620    | 22.70         | 10.16          | 32.86        | 51.37  | -18.51 | AVG    |
| 1.4900    | 27.42         | 12.64          | 40.06        | 56.00  | -15.94 | QP     |
| 1.4900    | 20.45         | 12.64          | 33.09        | 46.00  | -12.91 | AVG    |
| 2.0900    | 32.18         | 9.66           | 41.84        | 56.00  | -14.16 | QP     |
| 2.0900    | 20.37         | 9.66           | 30.03        | 46.00  | -15.97 | AVG    |
| 7.4580    | 17.75         | 9.68           | 27.43        | 60.00  | -32.57 | QP     |
| 7.4580    | 7.51          | 9.68           | 17.19        | 50.00  | -32.81 | AVG    |
| 15.2740   | 24.39         | 9.71           | 34.10        | 60.00  | -25.90 | QP     |
| 15.2740   | 15.09         | 9.71           | 24.80        | 50.00  | -25.20 | AVG    |

#### Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Factor = Insertion Loss + Cable Loss.



Version.1.2 Page 14 of 19



## 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

|                 | Class A (at 10m) | Class B (at 3m) |
|-----------------|------------------|-----------------|
| FREQUENCY (MHz) | dBuV/m           | dBuV/m          |
| 30 ~ 88         | 39.0             | 40.0            |
| 88 ~ 216        | 43.5             | 43.5            |
| 216 ~ 960       | 46.5             | 46.0            |
| Above 960       | 49.5             | 54.0            |

#### Notes:

- (1) The limit for radiated test was performed according to as following: FCC PART 15B /ICES-003.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

#### 3.2.2 TEST PROCEDURE

#### Test Arrangement for Radiated Emissions up to 1 GHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited test facility. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for quasi-peak detection (QP) at frequency below 1GHz.

# Test Arrangement for Radiated Emissions above 1 GHz.

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: For the hand-held device, the EUT should be measured for all 3 axes and only the worst case is recorded in the report

Version.1.2 Page 15 of 19

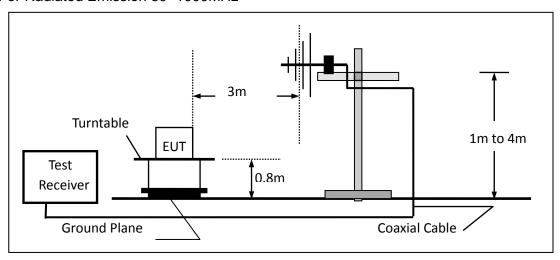


During the radiated emission test, according to ANSI C63.4-2014(4.2), the Spectrum Analyzer was set with the following configurations:

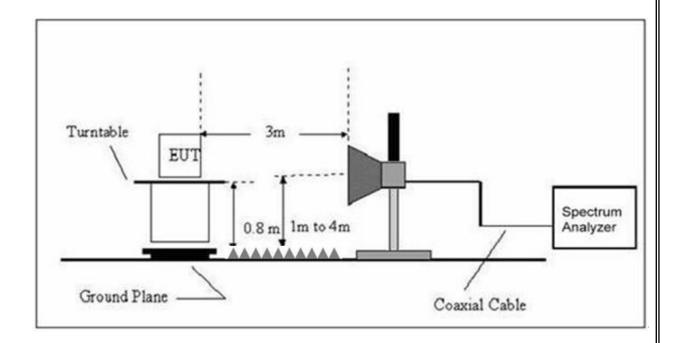
| Frequency Band<br>(MHz) | Function | Resolution bandwidth | Video Bandwidth |
|-------------------------|----------|----------------------|-----------------|
| 30 to 1000              | QP       | 120 kHz              | 300 kHz         |
|                         | Peak     | 1 MHz                | 3 MHz           |
| Above 1000              | Avg      | 1 MHz                | 10 Hz           |

#### 3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



Version.1.2 Page 16 of 19



# 3.2.4 TEST RESULTS

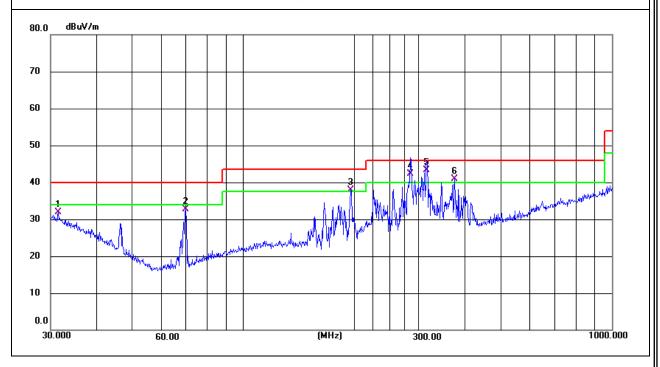
# TEST RESULTS (30~1000 MHz)

|              | ,                          |                    |            |
|--------------|----------------------------|--------------------|------------|
| EUT:         | Tablet                     | Model Name:        | GQ3113     |
| Temperature: | 24.5 ℃                     | Relative Humidity: | 55%        |
| Pressure:    | 1010 hPa                   | Test Date :        | 2023-08-22 |
| Test Mode:   | Mode 1                     | Polarization:      | Horizontal |
| Test Power:  | DC 5V from PC AC 120V/60Hz |                    |            |

| Polar | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits   | Margin | Remark |
|-------|-----------|------------------|--------|-------------------|----------|--------|--------|
| (H/V) | (MHz)     | (dBuV)           | (dB)   | (dBuV/m)          | (dBuV/m) | (dB)   |        |
| Н     | 31.5091   | 6.21             | 25.63  | 31.84             | 40.00    | -8.16  | QP     |
| Н     | 69.8450   | 19.35            | 13.42  | 32.77             | 40.00    | -7.23  | QP     |
| Н     | 195.8220  | 21.49            | 16.39  | 37.88             | 43.50    | -5.62  | QP     |
| Н     | 283.9791  | 22.34            | 20.02  | 42.36             | 46.00    | -3.64  | QP     |
| Н     | 314.3763  | 22.84            | 20.40  | 43.24             | 46.00    | -2.76  | QP     |
| Н     | 374.6225  | 18.19            | 22.67  | 40.86             | 46.00    | -5.14  | QP     |

#### Remark

Factor = Antenna Factor + Cable Loss - Amplifier.



Version.1.2 Page 17 of 19

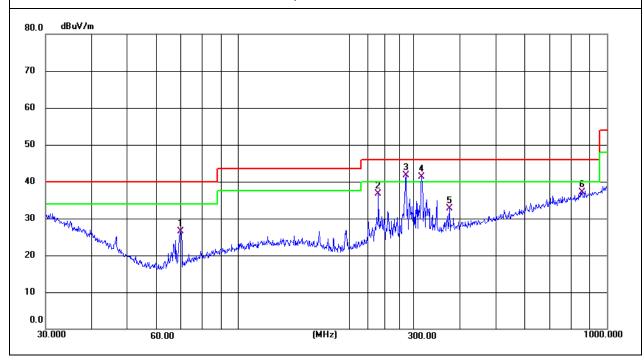


| EUT:         | Tablet                     | Model Name :       | GQ3113     |
|--------------|----------------------------|--------------------|------------|
| Temperature: | 24.5 ℃                     | Relative Humidity: | 55%        |
| Pressure:    | 1010 hPa                   | Test Date :        | 2023-08-22 |
| Test Mode:   | Mode 1                     | Polarization:      | Vertical   |
| Test Power:  | DC 5V from PC AC 120V/60Hz |                    |            |

| Polar | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits   | Margin | Remark |
|-------|-----------|------------------|--------|-------------------|----------|--------|--------|
| (H/V) | (MHz)     | (dBuV)           | (dB)   | (dBuV/m)          | (dBuV/m) | (dB)   |        |
| V     | 69.8450   | 13.04            | 13.42  | 26.46             | 40.00    | -13.54 | QP     |
| V     | 239.9874  | 18.72            | 18.04  | 36.76             | 46.00    | -9.24  | QP     |
| V     | 284.9767  | 21.65            | 20.03  | 41.68             | 46.00    | -4.32  | QP     |
| V     | 314.3763  | 20.93            | 20.40  | 41.33             | 46.00    | -4.67  | QP     |
| V     | 374.6225  | 10.08            | 22.67  | 32.75             | 46.00    | -13.25 | QP     |
| V     | 857.0244  | 6.72             | 30.30  | 37.02             | 46.00    | -8.98  | QP     |

# Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



Version.1.2 Page 18 of 19

# 3.2.5 TEST RESULTS(1000~18000MHz)

| EUT:         | Tablet                     | Model Name :       | GQ3113     |  |
|--------------|----------------------------|--------------------|------------|--|
| Temperature: | 24.5 ℃                     | Relative Humidity: | 55%        |  |
| Pressure:    | 1010 hPa                   | Test Date :        | 2023-08-22 |  |
| Test Mode:   | Mode 1                     |                    |            |  |
| Test Power:  | DC 5V from PC AC 120V/60Hz |                    |            |  |

All the modulation modes have been tested, and the worst result was report as below:

| Polar<br>(H/V) | Frequency | Reading  | Correct | Result   | Limit    | Over<br>Limit | Remark     |
|----------------|-----------|----------|---------|----------|----------|---------------|------------|
|                | (MHz)     | (dBuV/m) | dB/m    | (dBuV/m) | (dBuV/m) | (dB)          | rterriarit |
| V              | 4978.000  | 32.40    | 14.10   | 46.50    | 74.00    | -27.50        | peak       |
| V              | 6644.000  | 31.77    | 17.74   | 49.51    | 74.00    | -24.49        | AVG        |
| V              | 10979.000 | 30.73    | 22.79   | 53.52    | 74.00    | -20.48        | peak       |
| V              | 10979.000 | 18.56    | 22.79   | 41.35    | 54.00    | -12.65        | AVG        |
| V              | 17898.000 | 30.82    | 25.43   | 56.25    | 74.00    | -17.75        | peak       |
| V              | 17898.000 | 18.11    | 25.43   | 43.54    | 54.00    | -10.46        | AVG        |
| Н              | 7154.000  | 32.06    | 19.18   | 51.24    | 74.00    | -22.76        | peak       |
| Н              | 7154.000  | 17.93    | 19.18   | 37.11    | 54.00    | -16.89        | AVG        |
| Н              | 9024.000  | 31.45    | 21.04   | 52.49    | 74.00    | -21.51        | peak       |
| Н              | 9024.000  | 19.96    | 21.04   | 41.00    | 54.00    | -13.00        | AVG        |
| Н              | 17983.000 | 30.91    | 25.73   | 56.64    | 74.00    | -17.36        | peak       |
| Н              | 17983.000 | 17.61    | 25.73   | 43.34    | 54.00    | -10.66        | AVG        |

## Remark:

Result = Reading + Correct, Over Limit= Result - Limit

Note: Only the worst results data points are reported in the report.

Other emissions are attenuated 20dB below the limit that does not recorded in the report.

**END OF REPORT** 

Version.1.2 Page 19 of 19