

**FCC PART 15C TEST REPORT FOR CERTIFICATION**  
**On Behalf of**

**Hunan Greatwall Computer System Co.,Ltd**

**10.1" Android Tablet**

**Model Number: 100011886**

**FCC ID: 2APUQW1027**

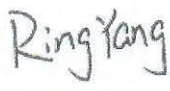
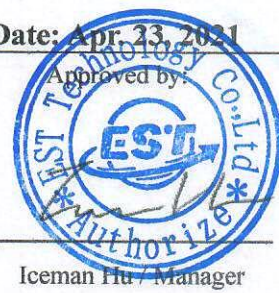
|               |                                                                     |
|---------------|---------------------------------------------------------------------|
| Prepared for: | Hunan Greatwall Computer System Co.,Ltd                             |
|               | Hu'nan Greatwall Industrial Park,Xiangyun Middle Rd.,               |
|               | Tianyuan Dist.,Zhuzhou, Hu'nan                                      |
|               |                                                                     |
| Prepared By:  | EST Technology Co., Ltd.                                            |
|               | Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China |
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|                 |                  |
|-----------------|------------------|
| Report Number:  | ESTE-R2004044-3  |
| Date of Test:   | Apr. 01~21, 2021 |
| Date of Report: | Apr. 23, 2021    |

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**EST Technology Co., Ltd.**

|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                    |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Applicant:</b><br><b>Address:</b>                                                                                                                                                                                                                                                                                          | Hunan Greatwall Computer System Co.,Ltd<br>Hu'nan Greatwall Industrial Park,Xiangyun Middle Rd.,<br>Tianyuan Dist.,Zhuzhou, Hu'nan                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                    |                  |
| <b>Manufacturer:</b><br><b>Address:</b>                                                                                                                                                                                                                                                                                       | Hunan Greatwall Computer System Co.,Ltd<br>Hu'nan Greatwall Industrial Park,Xiangyun Middle Rd.,<br>Tianyuan Dist.,Zhuzhou, Hu'nan                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                    |                  |
| <b>E.U.T:</b>                                                                                                                                                                                                                                                                                                                 | 10.1" Android Tablet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                    |                  |
| <b>Model Number:</b>                                                                                                                                                                                                                                                                                                          | 100011886                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                    |                  |
| <b>Power Supply:</b>                                                                                                                                                                                                                                                                                                          | DC 5V From Adapter Input AC 100-240V~50/60Hz<br>DC 3.8V From Battery                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                    |                  |
| <b>Trade Name:</b>                                                                                                                                                                                                                                                                                                            | onn.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Serial No.:</b>                                                                                                 | -----            |
| <b>Date of Receipt:</b>                                                                                                                                                                                                                                                                                                       | Apr. 01, 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Date of Test:</b>                                                                                               | Apr. 01~21, 2021 |
| <b>Test Specification:</b>                                                                                                                                                                                                                                                                                                    | FCC Part 15 Subpart C (15.247)<br>ANSI C63.10:2013<br>FCC KDB 558074 D01 15.247 Meas Guidance v05r02<br>FCC KDB 662911 D01 Multiple Transmitter Output v02r01                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                    |                  |
| <b>Test Result:</b>                                                                                                                                                                                                                                                                                                           | <p>The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart C requirements.</p> <p>This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.</p> |                                                                                                                    |                  |
| <b>Prepared by:</b>                                                                                                                                                                                                                                                                                                           | <b>Reviewed by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Date:</b> Apr. 23, 2021                                                                                         |                  |
| <br><hr/> Ring Yang/ Assistant                                                                                                                                                                                                             | <br><hr/> Seven Wang/ Engineer                                                                                                                                                                                                                                                                                                                                                                                                                             | <br><hr/> Iceman Hu / Manager |                  |
| <b>Other Aspects:</b>                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                    |                  |
| This report base on the previous report with report number: ESTE-R2004044, Since the updated version number added DDR and EMMC and removed the Crystals on the Motherboard, only the false emission (30-1000MHz) was re-tested, and no other test items needed to be re-tested. (EMMC: HG-EMC032-N1110 & DDR NCLDXC2MG512M32) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                    |                  |
| Abbreviations: OK/P=passed    fail/F=failed    n.a/N=not applicable    E.U.T=equipment under tested                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                    |                  |
| This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                    |                  |

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

|                         |   |                                                                                                                                               |
|-------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name            | : | 10.1" Android Tablet                                                                                                                          |
| Model Number            | : | 100011886                                                                                                                                     |
| Software Version        | : | 100011886_YYYYMMDD                                                                                                                            |
| Hardware Version        | : | RC-F732                                                                                                                                       |
| Operation frequency     | : | 2412MHz~2462MHz<br>2422MHz~2452MHz                                                                                                            |
| Number of channel       | : | IEEE 802.11b: 11 Channels<br>IEEE 802.11g: 11 Channels<br>IEEE 802.11n HT20: 11 Channels                                                      |
| Max Output Power (PEAK) | : | IEEE 802.11b: 18.86dBm<br>IEEE 802.11g: 18.96dBm<br>IEEE 802.11n HT20: 18.74dBm<br>IEEE 802.11n HT40: 19.55dBm                                |
| Modulation Type         | : | IEEE 802.11b mode: DSSS(CCK,QPSK, BPSK)<br>IEEE 802.11g mode: OFDM (BPSK/QPSK/16QAM/64QAM)<br>IEEE 802.11n mode: OFDM (BPSK/QPSK/16QAM/64QAM) |
| Sample Type             | : | Prototype production                                                                                                                          |

Note:

For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

### 1.2. Difference between Model Numbers

| Model Number | main board | Screen                            | DDR                                                                                  | EMMC                                                             |
|--------------|------------|-----------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 100011886    | A          | 1:GW1012701027<br>2:GW1012701027A | RS512M32LZ4D2ANP_75BT<br>2G/4die 3733Mbps 10*14.5mm<br>FBGA200 RS                    | MEMA032G 32GB<br>1.8V/HS400/EMMC5.1<br>200MHz 153-FBGA<br>ISOCOM |
|              | 2          |                                   | MDXC1016G-M2 2GB(512*32)<br>3200Mbps 10*14.5mm<br>FBGA200 FORESEE                    | LTMZ0007HF-DAB1-SM<br>Leahkinn                                   |
|              | 3          |                                   | RS512M32LM4D2BDS-53BT<br>2GB(512*32) 3200Mbps<br>10*14.5mm FBGA200 RS                | EMMC32G-TA28 32GB<br>1.8V 200MHz 153-FBGA<br>Kingston            |
|              | 4          |                                   | D-00208<br>FORESEE_LPDDR4X_<br>NCLDXC2MG512M32_200ball_<br>10x14 5x1 0_3200Mbps_SPEC | Hosin Global HG-<br>EMC032-N1110 eMMC<br>5.1 spec V1.3           |

Note: 1.Default is A mainboard, reported to the DDR,EMMC and MPU combination for 2 and 3  
2. Main board for 4, remove the mother board crystal oscillator.

### 1.3. Antenna Information

| Ant No. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|---------|-------|------------|--------------|-----------|------------|
| 1       | N/A   | N/A        | Internal     | N/A       | 2.2        |



## 2. SUMMARY OF TEST

### 2.1. Summary of test result

| Report Section | Description of Test Item                  | FCC Standard Section          | Results |
|----------------|-------------------------------------------|-------------------------------|---------|
| 3              | 6dB Bandwidth                             | 15.247(a)(2)                  | N/A     |
| 4              | Maximum Peak Output Power                 | 15.247(b)(3)                  | N/A     |
| 5              | Power Spectral Density                    | 15.247(e)                     | N/A     |
| 6              | Conducted Band Edge                       | 15.247(d)                     | N/A     |
| 7              | Conducted Spurious Emissions              | 15.247(d)                     | N/A     |
| 8              | Radiated Spurious Emissions and Band Edge | 15.205<br>15.209<br>15.247(d) | PASS    |
| 9              | AC Power Line Conducted Emissions         | 15.207                        | N/A     |
| 10             | Antenna Requirement                       | 15.203                        | N/A     |

Note:

(1) "N/A" denotes test is not applicable in this test report

## 2.2. Test Facilities

### EMC Lab

: Certified by CNAS, CHINA  
Registration No.: L5288  
This Certificate is valid until: November 12, 2023

Certificated by FCC, USA  
Designation Number: CN1215  
This Certificate is valid until: January 31, 2022

Certificated by A2LA, USA  
Registration No.: 4366.01  
This Certificate is valid until: January 31, 2022

Certificated by Industry Canada  
CAB identifier No.: CN0035  
This Certificate is valid until: January 31, 2022

Certificated by VCCI, Japan  
Registration No.: C-14103; T-20073; R-13663;  
R-20103; G-20097  
Date of registration: Apr. 20, 2020  
This Certificate is valid until: Apr. 19, 2023

Certificated by TUV Rheinland, Germany  
Registration No.: UA 50413872 0001  
Date of registration: July 31, 2018

Certificated by Intertek  
Registration No.: 2011-RTL-L2-64  
Date of registration: November 08, 2018

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China

### 2.3. Measurement uncertainty

| Test Item                                                  | Uncertainty                       |
|------------------------------------------------------------|-----------------------------------|
| Uncertainty for Conduction emission test                   | $\pm 3.48\text{dB}$               |
| Uncertainty for spurious emissions test<br>(30MHz-1GHz)    | $\pm 4.60\text{ dB(Polarize: H)}$ |
|                                                            | $\pm 4.68\text{ dB(Polarize: V)}$ |
| Uncertainty for spurious emissions test<br>(1GHz to 25GHz) | $\pm 4.96\text{dB}$               |
| Uncertainty for radio frequency                            | $7 \times 10^{-8}$                |
| Uncertainty for conducted RF Power                         | $0.20\text{dB}$                   |
| Uncertainty for Power density test                         | $0.26\text{dB}$                   |

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

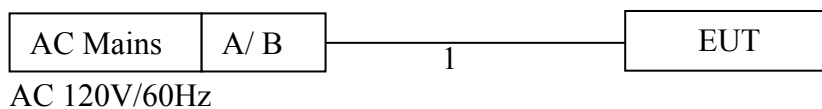
### 2.4. Assistant equipment used for test

| Item | Equipment | Brand | Model Name/Type No. | FCC ID | Series No. |
|------|-----------|-------|---------------------|--------|------------|
| A    | Adapter   | onn   | GDA0101H-U0500200   | -      | -          |
| B    | Adapter   | onn   | BSY01J3050200U U    | -      | -          |

| Item | Shielded Type | Ferrite Core | Length | Note     |
|------|---------------|--------------|--------|----------|
| 1    | NO            | NO           | 1.0m   | DC Cable |

### 2.5. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 (or 1.5) meter high above ground. EUT was beset into 2.4G WIFI test mode by software before test.



(EUT: 10.1"Android Tablet)

## 2.6. Test Mode

The test mode was selected for the final test as listed below.

| Test Item                               | Mode              | Date Rate | Test Channel    |
|-----------------------------------------|-------------------|-----------|-----------------|
| Radiated Spurious Emissions(Below 1GHz) | IEEE 802.11b      | 1Mbps     | Low/Middle/High |
|                                         | IEEE 802.11g      | 6Mbps     | Low/Middle/High |
|                                         | IEEE 802.11n HT20 | MCS0      | Low/Middle/High |
|                                         | IEEE 802.11n HT40 | MCS0      | Low/Middle/High |

Note:

1. In radiated measurement, the EUT had been pre-scan on the positioned of each 3 axis(X,Y,Z), the worst case was found when positioned on **X-plane**.



## 2.7. Power Setting of Test Software

|                           |         |         |         |
|---------------------------|---------|---------|---------|
| Software Name             | N/A     |         |         |
| Frequency(MHz)            | 2412    | 2437    | 2462    |
| IEEE 802.11b Setting      | Default | Default | Default |
| IEEE 802.11g Setting      | 14      | 14      | 14      |
| IEEE 802.11n HT20 Setting | 14      | 14      | 14      |
| Frequency(MHz)            | 2422    | 2437    | 2452    |
| IEEE 802.11n HT40 Setting | 14      | 14      | 14      |

## 2.8. Channel List

| IEEE 802.11b/802.11g/802.11n HT20 |                    |         |                    |         |                    |
|-----------------------------------|--------------------|---------|--------------------|---------|--------------------|
| Channel                           | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) |
| 1                                 | 2412               | 6       | 2437               | 11      | 2462               |
| 2                                 | 2417               | 7       | 2442               |         |                    |
| 3                                 | 2422               | 8       | 2447               |         |                    |
| 4                                 | 2427               | 9       | 2452               |         |                    |
| 5                                 | 2432               | 10      | 2457               |         |                    |
| IEEE 802.11n HT40                 |                    |         |                    |         |                    |
| Channel                           | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) |
| 3                                 | 2422               | 6       | 2437               | 9       | 2452               |
| 4                                 | 2427               | 7       | 2442               |         |                    |
| 5                                 | 2432               | 8       | 2447               |         |                    |

## 2.9. Test Equipment List

| For radiated emissions test (30MHz-1000MHz) |                 |              |            |                  |            |           |
|---------------------------------------------|-----------------|--------------|------------|------------------|------------|-----------|
| Equipment                                   | Manufacturer    | Model No.    | Serial No. | Calibration Body | Last Cal.  | Next Cal. |
| EMI Test Receiver                           | Rohde & Schwarz | ESR7         | EST-E047   | LISAI            | June 13,20 | 1 Year    |
| Bilog Antenna                               | Teseq           | CBL 6111D    | EST-E034   | LISAI            | June 13,20 | 1 Year    |
| Test Software                               | Audix           | e3-6.111221a | N/A        | N/A              | N/A        | N/A       |
| 30-1000MHz Cable                            | N/A             | EST-002      | N/A        | N/A              | N/A        | N/A       |

### 3. RADIATED SPURIOUS EMISSIONS AND BAND EDGE

#### 3.1. Limit

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

#### 15.205 Restricted frequency band

| MHz                        | MHz                   | MHz             | GHz              |
|----------------------------|-----------------------|-----------------|------------------|
| 0.090 - 0.110              | 16.42 - 16.423        | 399.9 - 410     | 4.5 - 5.15       |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525   | 608 - 614       | 5.35 - 5.46      |
| 2.1735 - 2.1905            | 16.80425 - 16.80475   | 960 - 1240      | 7.25 - 7.75      |
| 4.125 - 4.128              | 25.5 - 25.67          | 1300 - 1427     | 8.025 - 8.5      |
| 4.17725 - 4.17775          | 37.5 - 38.25          | 1435 - 1626.5   | 9.0 - 9.2        |
| 4.20725 - 4.20775          | 73 - 74.6             | 1645.5 - 1646.5 | 9.3 - 9.5        |
| 6.215 - 6.218              | 74.8 - 75.2           | 1660 - 1710     | 10.6 - 12.7      |
| 6.26775 - 6.26825          | 108 - 121.94          | 1718.8 - 1722.2 | 13.25 - 13.4     |
| 6.31175 - 6.31225          | 123 - 138             | 2200 - 2300     | 14.47 - 14.5     |
| 8.291 - 8.294              | 149.9 - 150.05        | 2310 - 2390     | 15.35 - 16.2     |
| 8.362 - 8.366              | 156.52475 - 156.52525 | 2483.5 - 2500   | 17.7 - 21.4      |
| 8.37625 - 8.38675          | 156.7 - 156.9         | 2690 - 2900     | 22.01 - 23.12    |
| 8.41425 - 8.41475          | 162.0125 - 167.17     | 3260 - 3267     | 23.6 - 24.0      |
| 12.29 - 12.293             | 167.72 - 173.2        | 3332 - 3339     | 31.2 - 31.8      |
| 12.51975 - 12.52025        | 240 - 285             | 3345.8 - 3358   | 36.43 - 36.5     |
| 12.57675 - 12.57725        | 322 - 335.4           | 3600 - 4400     | ( <sup>2</sup> ) |

#### 15.209 Limit

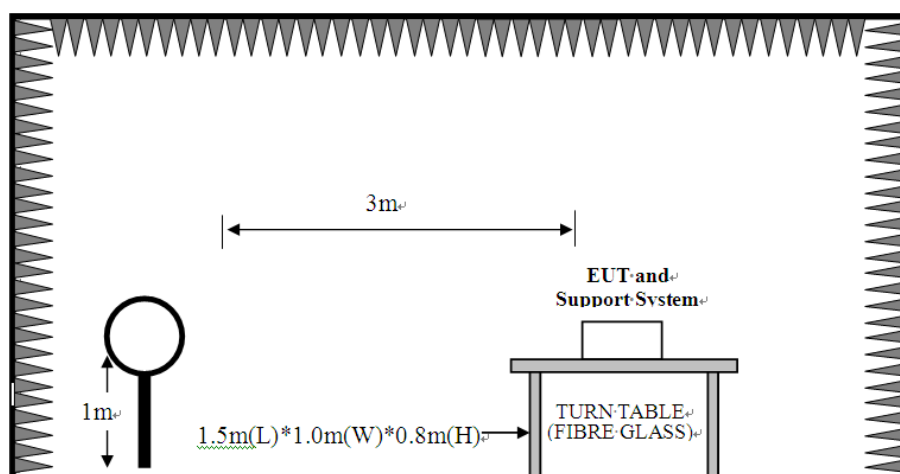
| Frequency (MHz) | Field Strength( $\mu$ V/m) | Distance(m) |
|-----------------|----------------------------|-------------|
| 0.009-0.490     | 2400/F(kHz)                | 300         |
| 0.490-1.705     | 24000/F(kHz)               | 30          |
| 1.705-30        | 30                         | 30          |
| 30-88           | 100                        | 3           |
| 88-216          | 150                        | 3           |
| 216-960         | 200                        | 3           |
| Above 960       | 500                        | 3           |

Note:

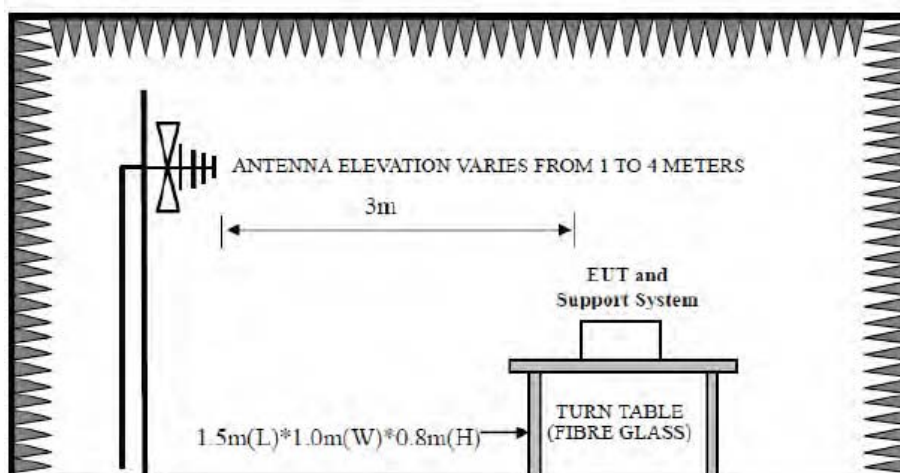
- (1) Emission level dB $\mu$ V = 20 log Emission level  $\mu$ V/m.
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

### 3.2. Test setup

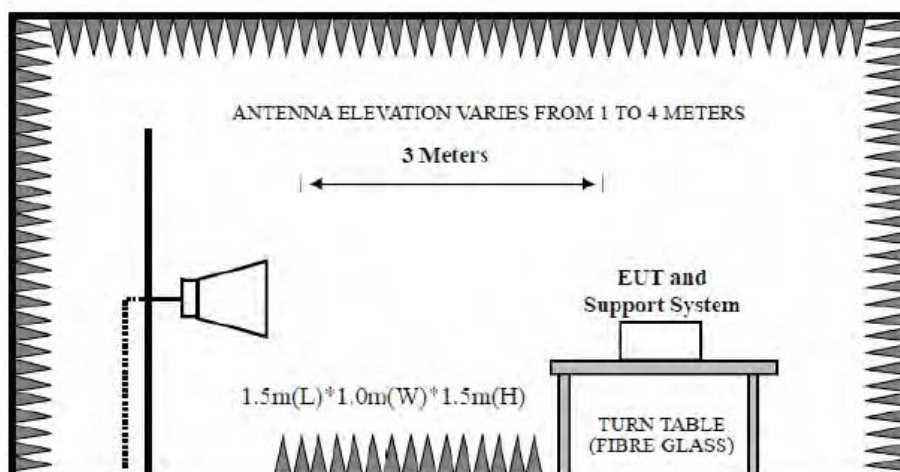
9kHz~30MHz



30~1000MHz



Above 1GHz



### 3.3. Spectrum Analyzer Setting

For 9KHz-150KHz

| Spectrum Parameters | Setting                                 |
|---------------------|-----------------------------------------|
| RBW                 | 300Hz(for Peak&AVG)/CISPR 200Hz(for QP) |
| VBW                 | 300Hz(for Peak&AVG)/CISPR 200Hz(for QP) |
| Start frequency     | 9KHz                                    |
| Stop frequency      | 150KHz                                  |
| Sweep Time          | Auto                                    |
| Detector            | PEAK/QP/AVG                             |
| Trace Mode          | Max Hold                                |

For 150KHz-30MHz

| Spectrum Parameters | Setting  |
|---------------------|----------|
| RBW                 | 9KHz     |
| VBW                 | 9KHz     |
| Start frequency     | 150KHz   |
| Stop frequency      | 30MHz    |
| Sweep Time          | Auto     |
| Detector            | QP       |
| Trace Mode          | Max Hold |

For 30MHz-1GHz

| Spectrum Parameters | Setting  |
|---------------------|----------|
| RBW                 | 120KHz   |
| VBW                 | 300KHz   |
| Start frequency     | 30MHz    |
| Stop frequency      | 1GHz     |
| Sweep Time          | Auto     |
| Detector            | QP       |
| Trace Mode          | Max Hold |

For Above 1GHz

| Spectrum Parameters | Setting                              |
|---------------------|--------------------------------------|
| RBW                 | 1MHz                                 |
| VBW                 | PEAK Measurement                     |
|                     | 3MHz                                 |
|                     | AVG Measurement                      |
|                     | Duty cycle $\geq 98\%$ , VBW=10Hz    |
|                     | Duty cycle $< 98\%$ , VBW $\geq 1/T$ |
| Start frequency     | 1GHz                                 |
| Stop frequency      | 25GHz                                |
| Sweep Time          | Auto                                 |
| Detector            | PEAK                                 |
| Trace Mode          | Max Hold                             |

Note :

1. T is the on-time time of the duty cycle, when EUT transmit continuously with maximum output power, unit is seconds. reference section 2.8 for the on-time time.

### 3.4. Test Procedure

- a. EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz test, and which is 1.5 meter high above ground for above 1GHz test.
- b. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
- c. Set the EUT transmit continuously with maximum output power.
- d. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
- e. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.
- f. Spectrum analyzer setting parameters in accordance with section 8.3.
- g. Repeat above procedures until all channels were measured.
- h. Record the results in the test report.

Note:

1. For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
2. The frequency 2412MHz/2422MHz/2437MHz/2452MHz/2462MHz are fundamental frequency, which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.



## 3.5. Test Result

## Radiated Emissions Below 1GHz

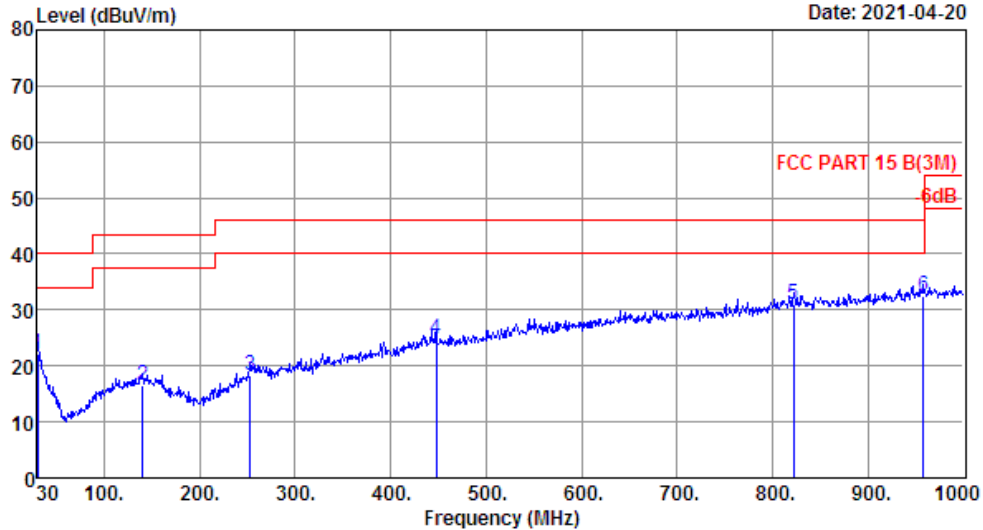
EST Technology

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Houjie, Dongguan, Guangdong, China  
Tel: +86-769-83081888  
Fax: +86-769-83081878

Data: 13

File: \\Emc-966-2\test data\2021-3#966\RF\G\Great Wall.EM6 (16)

Date: 2021-04-20



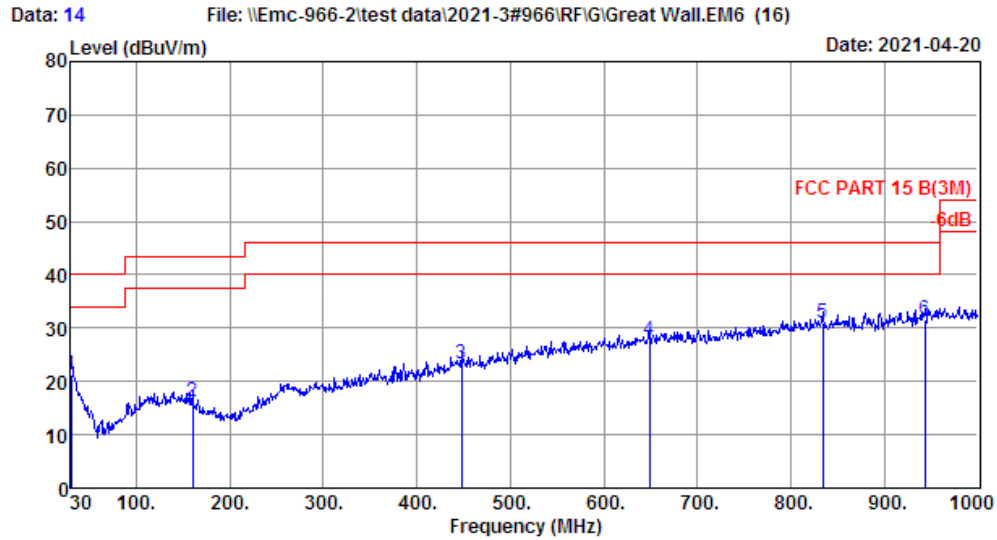
Site no. : 3# 966 Chamber Data no. : 13  
 Dis. / Ant. : 3m 31218 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B(3M)  
 Env. / Ins. : Temp:21.5°C;Humi:64%;Press:101.22kPa  
 Engineer : JBR  
 EUT : 10.1"Android Tablet  
 Power : DC 5V From Adapter Input AC 120V/60Hz  
 M/N : 100011886  
 Test Mode : TX Mode

|   | Freq.<br>(MHz) | ANT<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|-------------------------|-----------------------|-------------------|-------------------------------|-------------------|----------------|--------|
| 1 | 30.00          | 18.60                   | 0.19                  | 3.28              | 22.07                         | 40.00             | 17.93          | QP     |
| 2 | 140.58         | 12.27                   | 0.95                  | 3.38              | 16.60                         | 43.50             | 26.90          | QP     |
| 3 | 253.10         | 13.26                   | 1.43                  | 3.71              | 18.40                         | 46.00             | 27.60          | QP     |
| 4 | 448.07         | 17.84                   | 2.17                  | 4.70              | 24.71                         | 46.00             | 21.29          | QP     |
| 5 | 822.49         | 23.53                   | 3.16                  | 4.24              | 30.93                         | 46.00             | 15.07          | QP     |
| 6 | 958.29         | 24.68                   | 4.00                  | 3.80              | 32.48                         | 46.00             | 13.52          | QP     |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## EST Technology

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Fax: +86-769-83081878



Site no. : 3# 966 Chamber Data no. : 14  
 Dis. / Ant. : 3m 31218 Ant. pol. : VERTICAL  
 Limit : FCC PART 15 B(3M)  
 Env. / Ins. : Temp:21.5°C;Humi:64%;Press:101.22kPa  
 Engineer : JBR  
 EUT : 10.1"Android Tablet  
 Power : DC 5V From Adapter Input AC 120V/60Hz  
 M/N : 100011886  
 Test Mode : TX Mode

|   | Freq.<br>(MHz) | ANT<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|-------------------------|-----------------------|-------------------|-------------------------------|-------------------|----------------|--------|
| 1 | 30.00          | 18.60                   | 0.19                  | 2.48              | 21.27                         | 40.00             | 18.73          | QP     |
| 2 | 159.98         | 11.20                   | 1.04                  | 3.97              | 16.21                         | 43.50             | 27.29          | QP     |
| 3 | 448.07         | 17.84                   | 2.17                  | 3.45              | 23.46                         | 46.00             | 22.54          | QP     |
| 4 | 648.86         | 21.19                   | 2.73                  | 3.77              | 27.69                         | 46.00             | 18.31          | QP     |
| 5 | 834.13         | 23.40                   | 3.16                  | 4.49              | 31.05                         | 46.00             | 14.95          | QP     |
| 6 | 943.74         | 24.48                   | 3.71                  | 3.33              | 31.52                         | 46.00             | 14.48          | QP     |

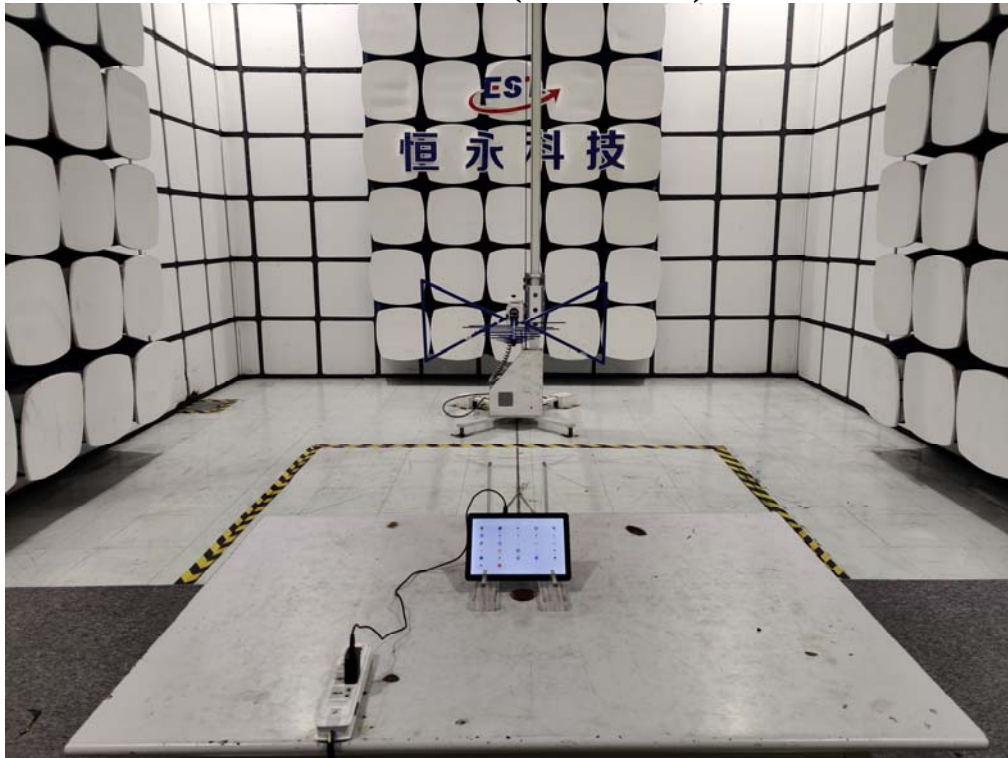
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## Note:

1. The amplitude of 9KHz to 30MHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
2. All channels had been pre-test, only the worst case was reported.
3. All adapters have been tested, and the worst adapter data in the report: BSY01J3050200U U

## 4. TEST SETUP PHOTO

Radiated Test (Below 1GHz)



## 5. EUT PHOTO

### External Photos

M/N: 100011886

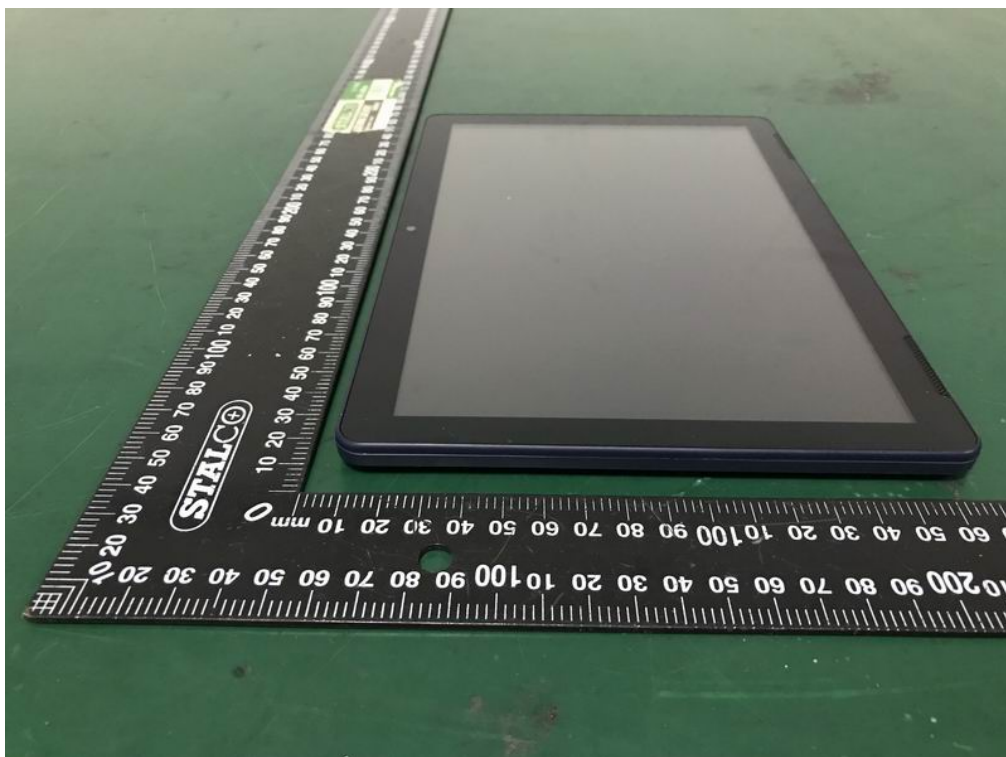
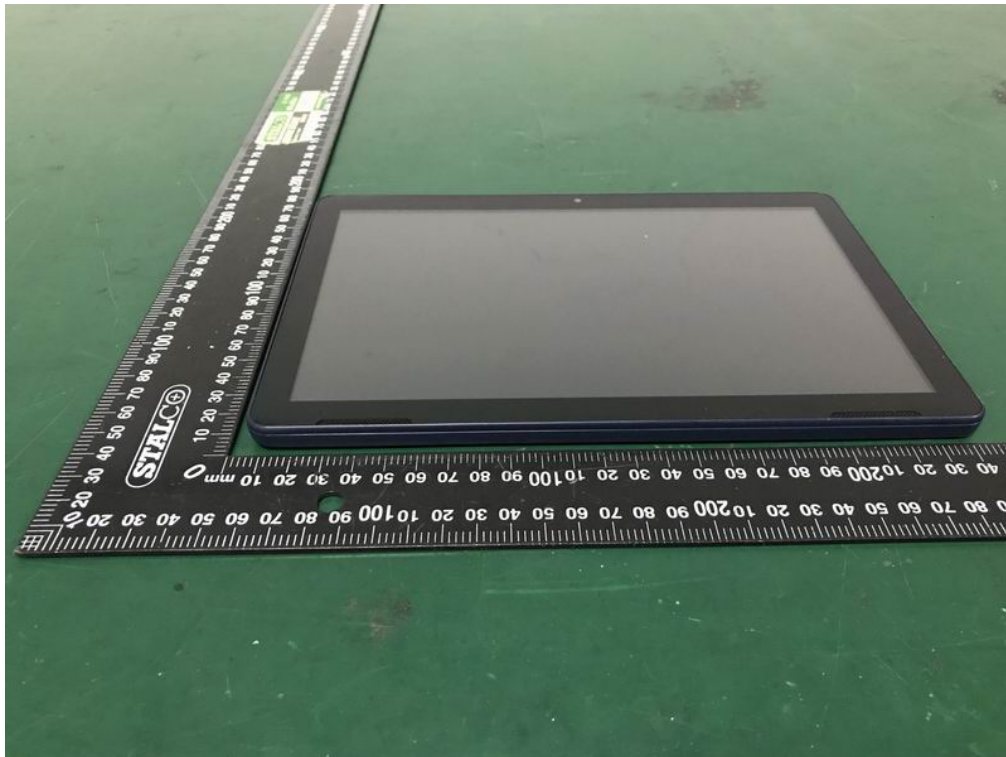


**External Photos**  
M/N: 100011886

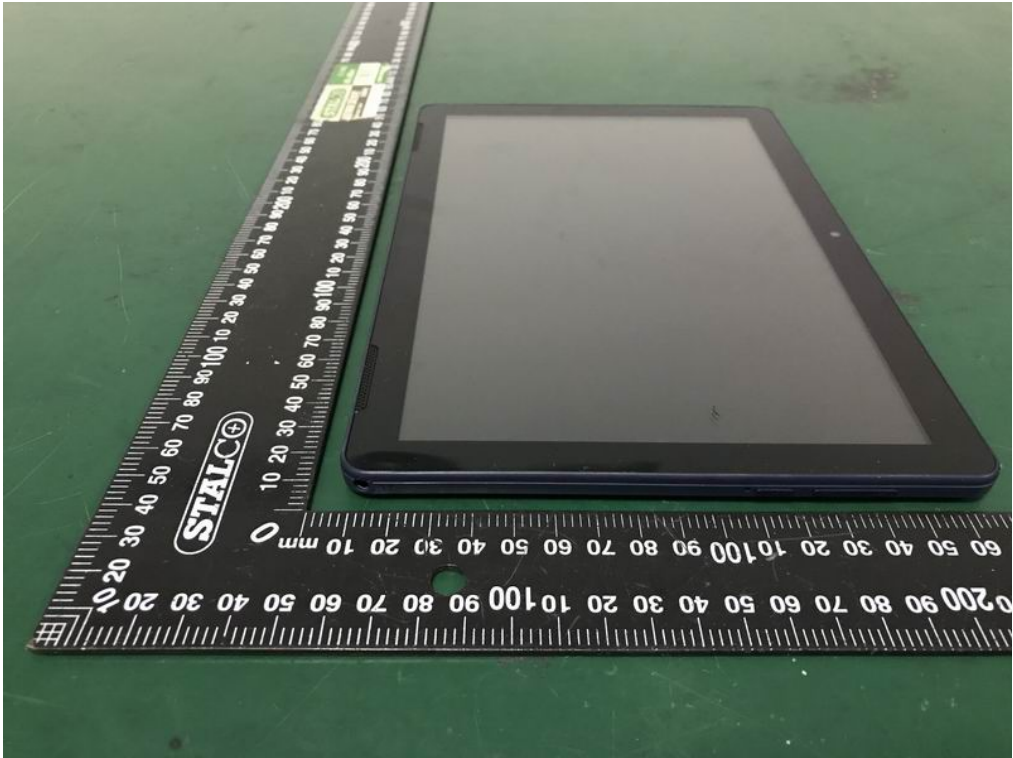




**External Photos**  
M/N: 100011886



External Photos  
M/N: 100011886



Power Supply

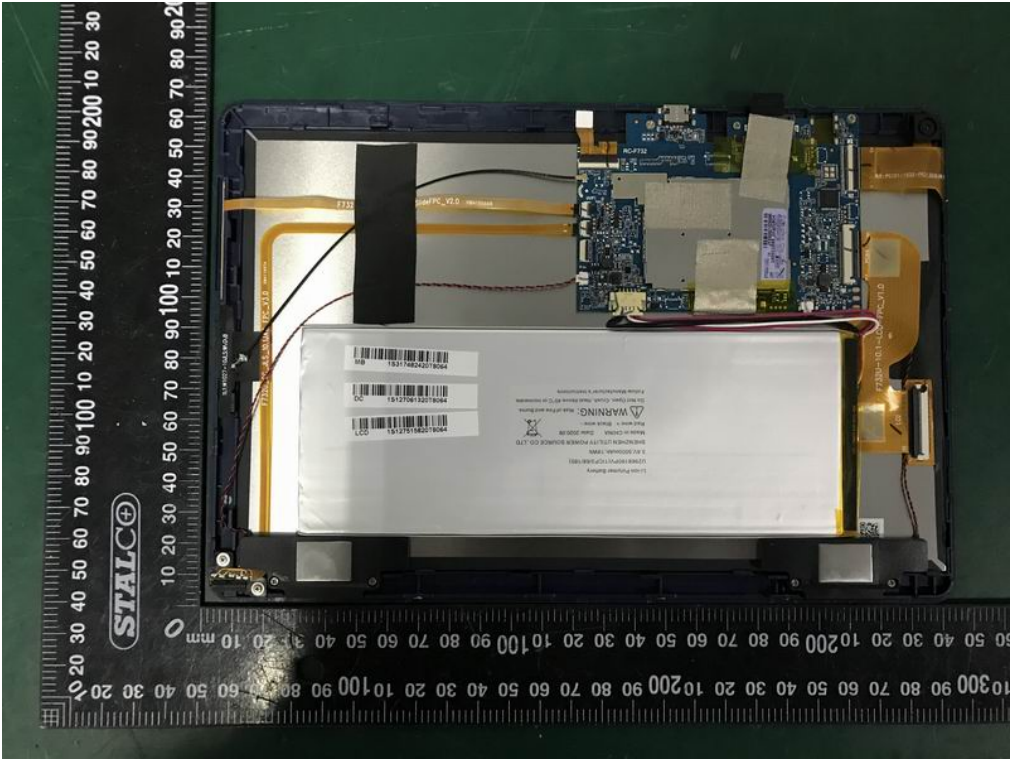




Internal Photos  
M/N: 100011886



Internal Photos  
M/N: 100011886

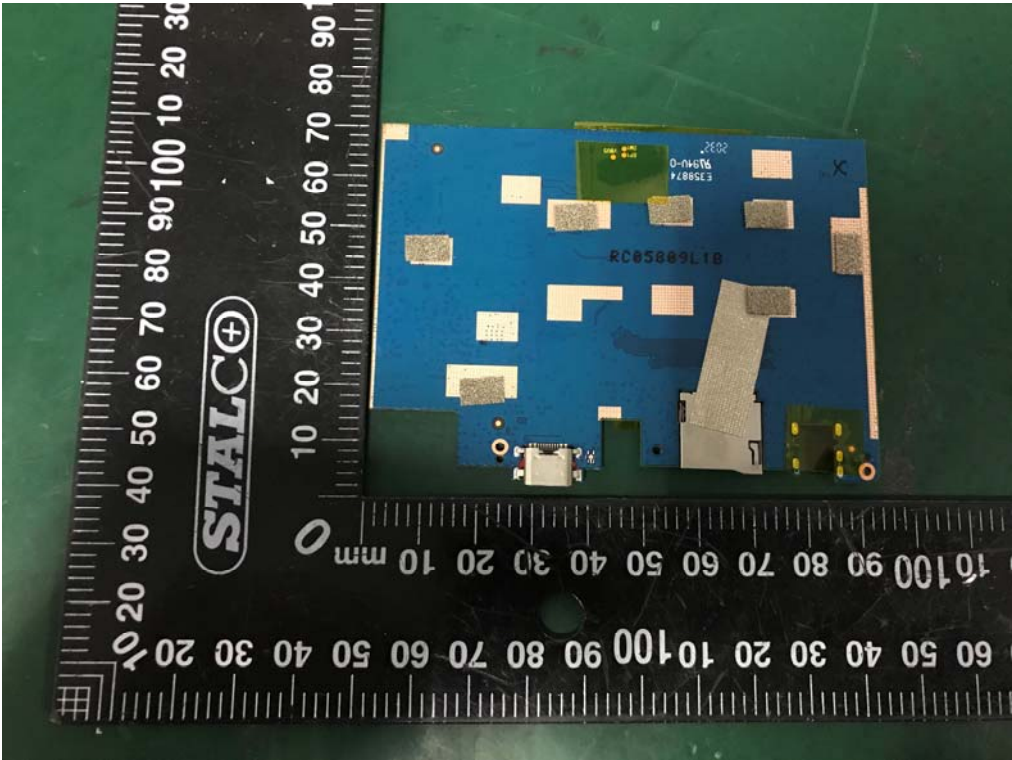
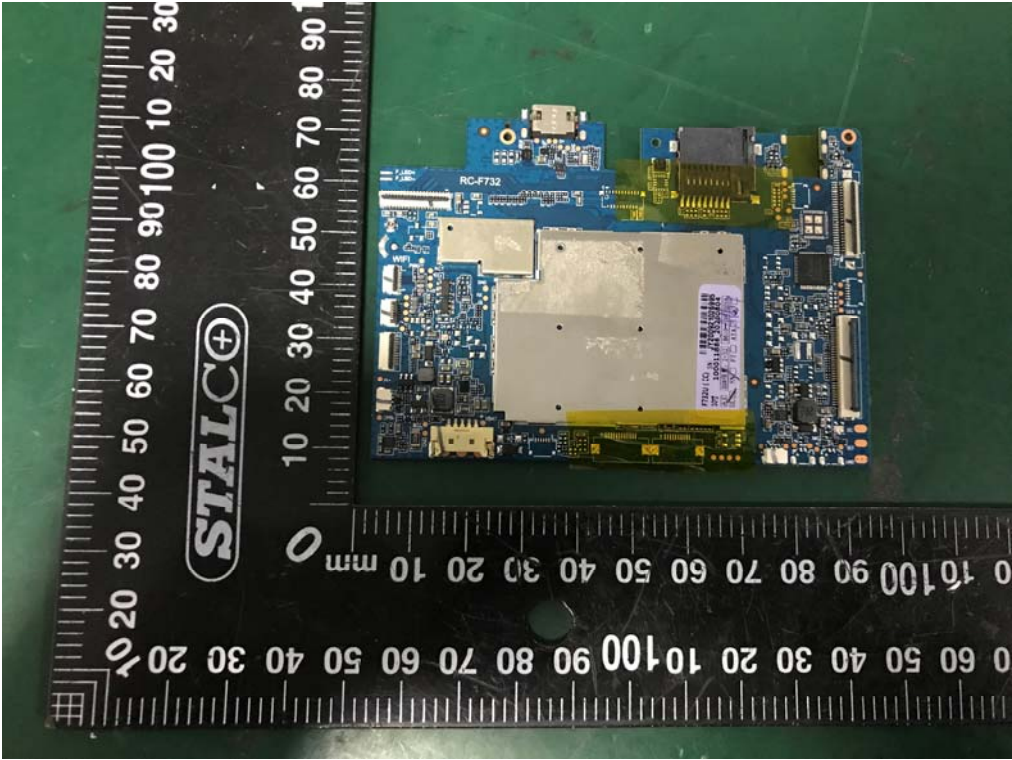


Bluetooth/ BLE  
Wi-Fi Antenna

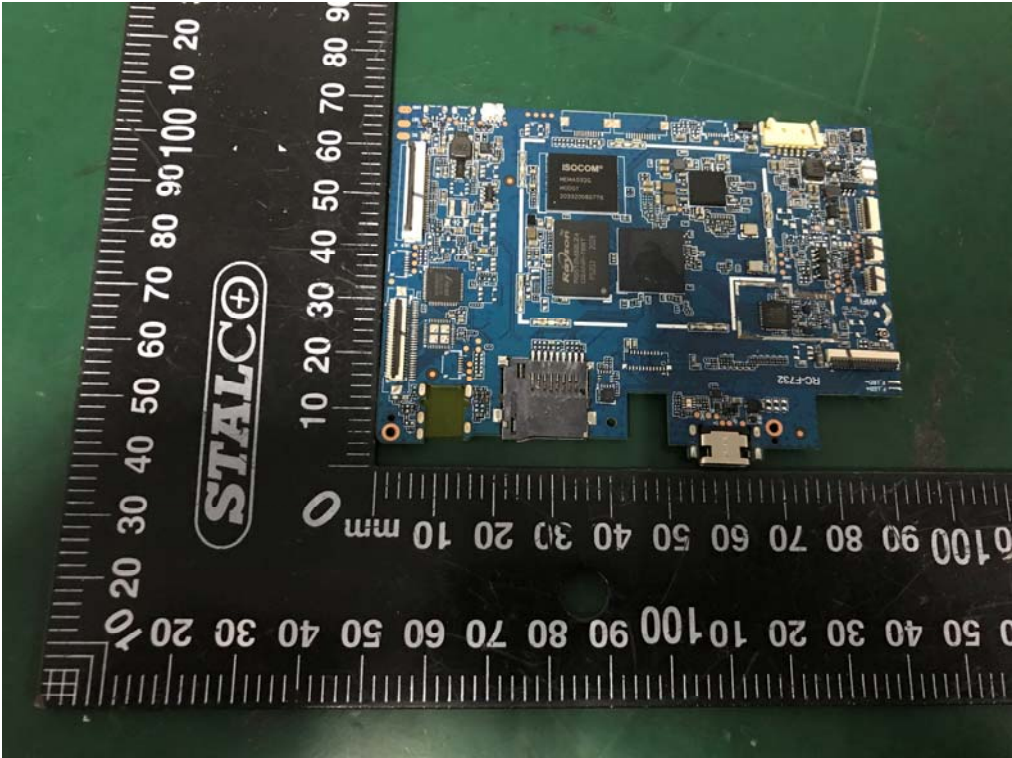




Internal Photos  
M/N: 100011886



Internal Photos  
M/N: 100011886





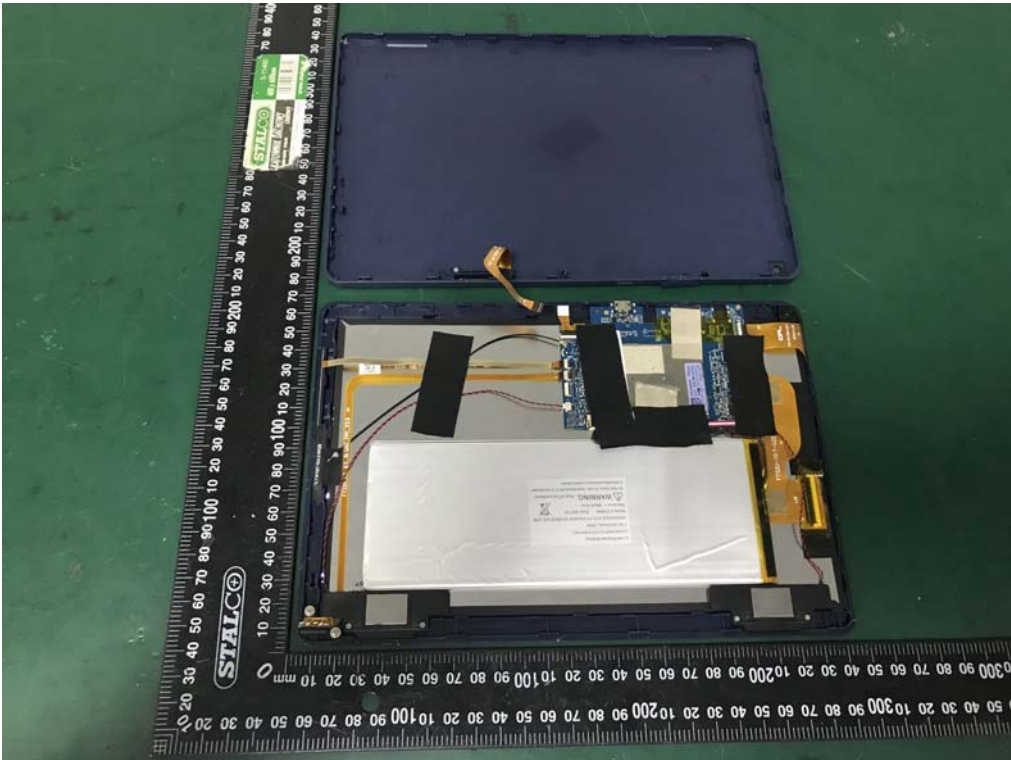
Internal Photos

M/N: 100011886

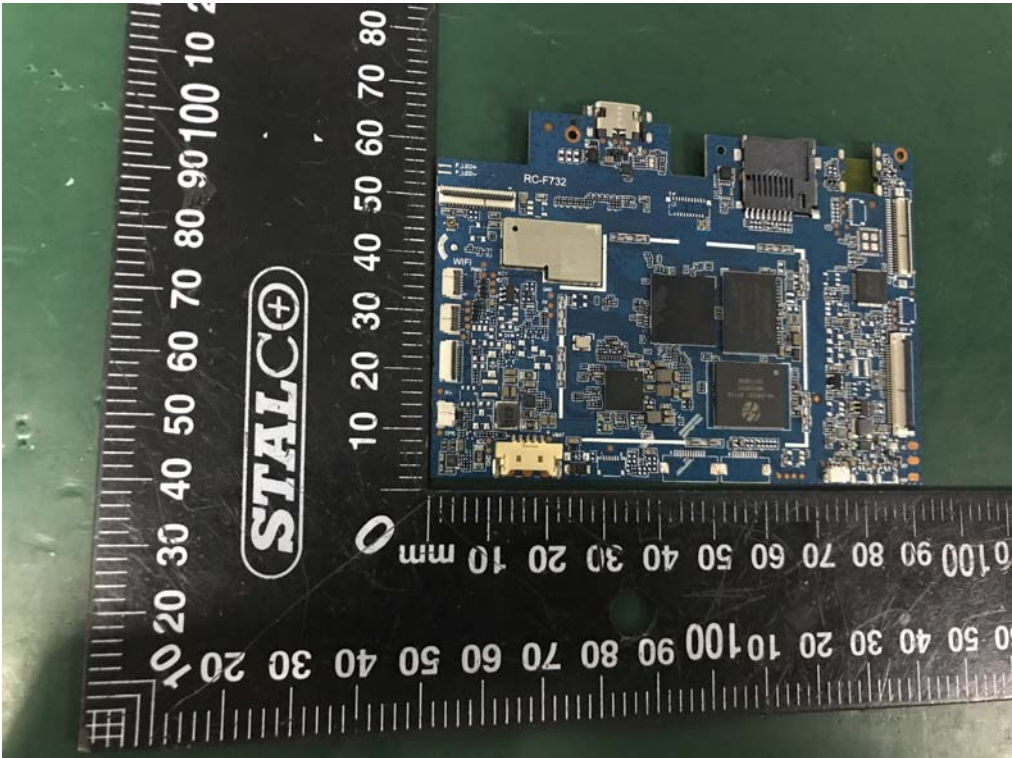


New EUT photo

(Main board: D-00208 FORESEE\_LPDDR4X\_ NCLDXC2MG512M32\_200ball\_10x14 5x1 0\_3200Mbps\_SPEC & Hosin Global HG- EMC032-N1110 eMMC 5.1 spec V1.3)



Internal Photos  
M/N: 100011886





**Internal Photos**

M/N: 100011886



**End of Test Report**