

FCC PART 15E TEST REPORT FOR CERTIFICATION  
On Behalf of

CHUNGHSIN TECHNOLOGY GROUP CO.,LTD

10.1" Android Tablet

Model Number: ONA19TB003

FCC ID: 2AE2WT1015M

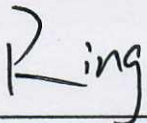
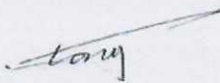
|               |                                                                     |
|---------------|---------------------------------------------------------------------|
| Prepared for: | CHUNGHSIN TECHNOLOGY GROUP CO.,LTD                                  |
|               | No. 618-2 GONGREN WEST ROAD, JIAOJIANG AREA, TAIZHOU CITY,          |
|               | ZHEJIANG, CHINA                                                     |
|               |                                                                     |
| Prepared By:  | EST Technology Co., Ltd.                                            |
|               | Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China |
|               | Tel: 86-769-83081888-808                                            |

|                 |                  |
|-----------------|------------------|
| Report Number:  | ESTE-R1901047-3  |
| Date of Test:   | Aug. 13~15, 2019 |
| Date of Report: | Aug. 19, 2019    |

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**EST Technology Co., Ltd.**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                         |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Applicant:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CHUNGHSIN TECHNOLOGY GROUP CO.,LTD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                         |                  |
| <b>Address:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No. 618-2 GONGREN WEST ROAD, JIAOJIANG AREA, TAIZHOU CITY, ZHEJIANG, CHINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |                  |
| <b>Manufacturer:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CHUNGHSIN TECHNOLOGY GROUP CO.,LTD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                         |                  |
| <b>Address:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No. 618-2 GONGREN WEST ROAD, JIAOJIANG AREA, TAIZHOU CITY, ZHEJIANG, CHINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |                  |
| <b>E.U.T:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10.1" Android Tablet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                         |                  |
| <b>Model Number:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ONA19TB003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |                  |
| <b>Additional Model:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100005208 (They are identical except model name only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                         |                  |
| <b>Power Supply:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DC 5V From Adapter Input AC 100~240V, 50/60Hz, 0.3A<br>DC 3.7V From battery                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                         |                  |
| <b>Test Voltage:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DC 5V From Adapter Input AC 120V/60Hz, 0.3A<br>DC 5V From Adapter Input AC 240V/50Hz, 0.3A                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |                  |
| <b>Trade Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | onn.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Serial No.:</b>                                                                                                                                                      | -----            |
| <b>Date of Receipt:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Aug. 13, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Date of Test:</b>                                                                                                                                                    | Aug. 13~15, 2019 |
| <b>Test Specification:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FCC Rules and Regulations Part 15 Subpart E:2018<br>ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                         |                  |
| <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 E 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> Aug 19, 2019<br><b>Approved by:</b><br><br><b>Iceman Hu / Manager</b> |                  |
| <br><b>Ring / Assistant</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              | <br><b>Tony / Engineer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                         |                  |
| <b>Other Aspects:</b><br>1.This report base on the previous report with report number: ESTE-R1901044-1, a new model number and IC is add in this report.<br>2.Because only the add IC, so just re-tested Radiated Emissions (30-1000Mhz), other test item needn't re-tested<br>(IC model: SUTJ96VZZ7D6EKKFB-107FT(PA053-107BT) to test report ESTE-R1901044-1<br>(IC model: SUTJ9B7ZZ7D7DKLAH-107BT (PA Series pa073) to test report ESTE-R1901044-3<br>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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| FCC ID              | : | 2AE2WT1015M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Model Number        | : | ONA19TB003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Operation frequency | : | UNII Band I:<br>IEEE 802.11a: 5180 ~ 5240MHz;<br>IEEE 802.11n HT20: 5180 ~ 5240MHz;<br>IEEE 802.11n HT40: 5190 ~ 5230MHz;<br>UNII Band II:<br>IEEE 802.11a: 5260 ~ 5320MHz;<br>IEEE 802.11n HT20: 5260 ~ 5320MHz;<br>IEEE 802.11n HT40: 5270 ~ 5310MHz;<br>UNII Band III:<br>IEEE 802.11a: 5500 ~ 5700MHz;<br>IEEE 802.11n HT20: 5500 ~ 5700MHz;<br>IEEE 802.11n HT40: 5510 ~ 5670MHz;<br>UNII Band IV:<br>IEEE 802.11a: 5745 ~ 5825MHz;<br>IEEE 802.11n HT20: 5745 ~ 5825MHz;<br>IEEE 802.11n HT40: 5755 ~ 5795MHz; |
| Number of channel   | : | UNII Band I:<br>IEEE 802.11a / n HT20<br>IEEE 802.11n HT40<br>UNII Band II:<br>IEEE 802.11a / n HT20<br>IEEE 802.11n HT40<br>UNII Band III:<br>IEEE 802.11a / n HT20<br>IEEE 802.11n HT40<br>UNII Band IV:<br>IEEE 802.11a / n HT20<br>IEEE 802.11n HT40                                                                                                                                                                                                                                                             |

|                    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|--------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Modulation         | : | OFDM(QPSK, BPSK, 16-QAM, 64-QAM, 256-QAM)                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| Transmit Data Rate | : | IEEE 802.11a: 54, 48, 36, 24, 18, 12, 9, 6Mbps;<br>IEEE 802.11n HT20: 14.4, 28.9, 43.3, 57.8, 86.7, 115.6, 130.0, 144.4 Mbps;<br>IEEE 802.11n HT40: 30, 60, 90, 120, 180, 240, 270, 300 Mbps;                                                                                                                                                                                                                                                                        |          |
| Channels Spacing   | : | IEEE 802.11a: 20MHz;<br>IEEE 802.11n HT20: 20MHz;<br>IEEE 802.11n HT40: 40MHz;                                                                                                                                                                                                                                                                                                                                                                                       |          |
| Antenna            | : | Internal antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
|                    |   | Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Antenna  |
|                    |   | 5150~5875 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.27 dBi |
|                    |   | Note: Bluetooth uses Antenna<br>11a,b,g,n, uses Antenna                                                                                                                                                                                                                                                                                                                                                                                                              |          |
| Transmit Power     | : | UNII Band I:<br>IEEE 802.11a: 4 Channels;<br>IEEE 802.11n HT20: 4 Channels;<br>IEEE 802.11n HT40: 2 Channels.<br>UNII Band II:<br>IEEE 802.11a: 4 Channels;<br>IEEE 802.11n HT20: 4 Channels;<br>IEEE 802.11n HT40: 2 Channels.<br>UNII Band III:<br>IEEE 802.11a: 8 Channels;<br>IEEE 802.11n HT20: 8 Channels;<br>IEEE 802.11n HT40: 3 Channels.<br>UNII Band IV:<br>IEEE 802.11a: 5 Channels;<br>IEEE 802.11n HT20: 5 Channels;<br>IEEE 802.11n HT40: 2 Channels. |          |
| Sample Type        | : | Prototype production                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |

## 2. SUMMARY OF TEST

### 2.1. Test methodology.

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10. Radiated testing was performed at an antenna to EUT distance 3 meters. The tests documented in this report were performed in accordance with ANSI C63.10: 2013 and FCC CFR 47 Part 15.207, 15.209, 15.407 and FCC 14-30. Radio testing was performed according to KDB DA 02-2138, KDB 789033 D02, KDB 905462 D06.

### 2.2. Summary of test result

| Description of Test Item       | Standard                                   | Results |
|--------------------------------|--------------------------------------------|---------|
| 99%, 6dB and 26dB Bandwidth    | FCC Part 15: 407(a)<br>FCC Part 15: 407(e) | N/A     |
| Maximum Conducted Output Power | FCC Part 15: 407(a)                        | N/A     |
| Peak Power Spectral Density    | FCC Part 15: 407(a)                        | N/A     |
| Radiated Spurious Emissions    | FCC Part 15: 407(b)                        | PASS    |
| Conducted Unwanted Emissions   | FCC Part 15: 407(b)                        | N/A     |
| Band Edge Measurement          | FCC Part 15: 407(b)                        | N/A     |
| Frequency Stability            | FCC Part 15: 407(g)                        | N/A     |
| Power Line Conducted Emissions | FCC Part 15: 207<br>FCC Part 15: 407(b)(6) | N/A     |
| Antenna requirement            | FCC Part 15: 203<br>FCC Part 15: 407(a)    | N/A     |

## 2.3. Test Facilities

EMC Lab

: Certificated by CNAS, CHINA  
Registration No.: L5288  
Date of registration: November 13, 2017

Certificated by FCC, USA  
Designation Number: CN1215  
Test Firm Registration Number: 722932  
Date of registration: November 21, 2017

Certificated by A2LA, USA  
Registration No.: 4366.01  
Date of registration: November 07, 2017

Certificated by Industry Canada  
CAB identifier No.: CN0035  
Date of registration: January 04, 2019

Certificated by VCCI, Japan  
Registration No.: R-13663; C-14103  
Date of registration: July 25, 2017  
This Certificate is valid until: July 24, 2020

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

Certificated by TUV/PS, Shenzhen  
Registration No.: SCN1017  
Date of registration: January 27, 2011

Certificated by Intertek ETL SEMKO  
Registration No.: 2011-RTL-L2-64  
Date of registration: April 28, 2011

Certificated by Nemko, Hong Kong  
Registration No.: 175193  
Date of registration: May 4, 2011

Name of Firm : EST Technology Co., Ltd.

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

## 2.4. Measurement uncertainty for EST Technology Co., Ltd.

| Test Item                                                | Uncertainty               |
|----------------------------------------------------------|---------------------------|
| Uncertainty for Conduction emission test                 | 2.54dB                    |
| Uncertainty for Radiation Emission test (30MHz-1GHz)     | 3.62                      |
| Uncertainty for Radiation Emission test (1GHz to 18GHz)  | 4.86                      |
| Uncertainty for spurious emissions test (18GHz to 40GHz) | 4.67                      |
| Uncertainty for radio frequency                          | $7 \times 10^{-8}$        |
| Uncertainty for conducted RF Power                       | 0.20dB                    |
| Uncertainty for Power density test                       | 0.26dB                    |
| Temperature                                              | $\pm 0.6^{\circ}\text{C}$ |
| Humidity                                                 | $\pm 4.0\%$               |
| Volatage DC                                              | $\pm 1.0\%$               |
| Volatage (AC, <10KHz)                                    | $\pm 1.5\%$               |

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

## 2.5. Assistant equipment used for test

### 2.5.1. Router (Master)

Manufacturer : LINKSYS  
 M/N : WRT3200ACM  
 FCC ID : Q87-WRT3200ACM  
 IC : 3839A-WRT3200ACM  
 S/N : 1981060A621419  
 MAC : 6038E0B87B20

### 2.5.2. Notebook

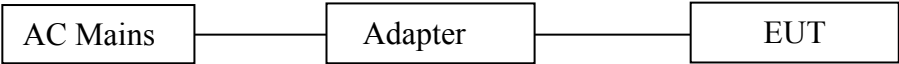
Manufacturer : DELL  
 M/N : Latitude E6420  
 Adapter : M/N: DA90PM111

### 2.5.3. Adapter

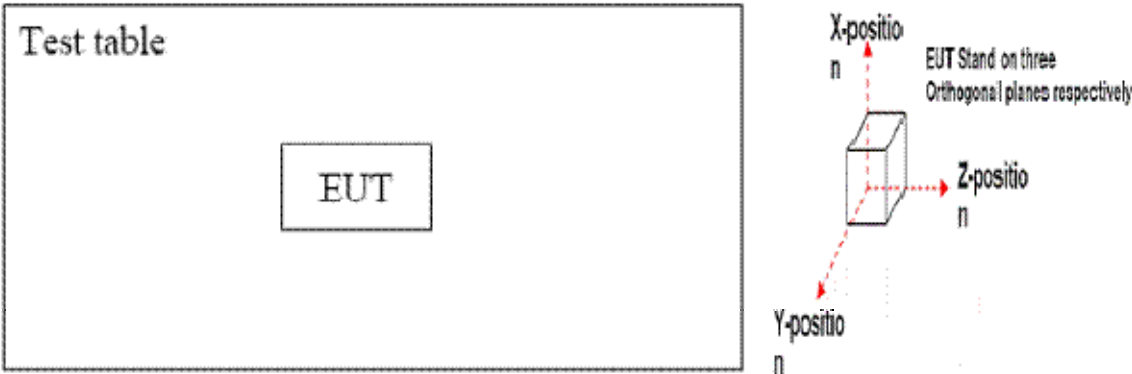
Manufacturer : onn  
 M/N : BSY01J3050200U U  
 Input : AC 100-240V, 50/60Hz, 0.3A  
 Output : DC 5.0V, 2.0A

2.6. 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 be set into TX test mode by software before test.



(EUT: 10.1" Android Tablet)



Note: We test X-axis, Y-axis, and Z-axis,. The Y-axis is the worst mode, so only the worst mode test data was included in the report.

## 2.7. Test mode

The test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode

| Band          | Mode                                         | Channel | Frequency (MHz) | Data rate (Mbps) |
|---------------|----------------------------------------------|---------|-----------------|------------------|
| UNII Band I   | IEEE 802.11a & n HT20<br>VHT20: 5180-5240MHz | Low     | 5180            | 6                |
|               |                                              | Middle  | 5200            | 6                |
|               |                                              | High    | 5240            | 6                |
|               | IEEE 802.11n HT40<br>: 5180-5240MHz          | Low     | 5190            | 13.5             |
|               |                                              | High    | 5230            | 13.5             |
|               |                                              |         |                 |                  |
| UNII Band II  | IEEE 802.11a & n HT20:<br>5260-5320MHz       | Low     | 5260            | 6                |
|               |                                              | Middle  | 5300            | 6                |
|               |                                              | High    | 5320            | 6                |
|               | IEEE 802.11n HT40:<br>5270-5310MHz           | Low     | 5270            | 13.5             |
|               |                                              | High    | 5310            | 13.5             |
|               |                                              |         |                 |                  |
| UNII Band III | IEEE 802.11a & n HT20:<br>5500-5700MHz       | Low     | 5500            | 6                |
|               |                                              | Middle  | 5580            | 6                |
|               |                                              | High    | 5700            | 6                |
|               | IEEE 802.11n HT40:<br>5510-5670              | Low     | 5510            | 13.5             |
|               |                                              | High    | 5670            | 13.5             |
|               |                                              |         |                 |                  |
| UNII Band IV  | IEEE 802.11a & n HT20:<br>5745-5825MHz       | Low     | 5745            | 6                |
|               |                                              | Middle  | 5785            | 6                |
|               |                                              | High    | 5825            | 6                |
|               | IEEE 802.11n HT40:<br>5755-5795MHz           | Low     | 5755            | 13.5             |
|               |                                              | High    | 5795            | 13.5             |

## 2.8. Channel List

| Band          | Mode                                   | Channel | Frequency<br>(MHz) |
|---------------|----------------------------------------|---------|--------------------|
| UNII Band I   | IEEE 802.11a & n HT20:<br>5180-5240MHz | 36      | 5180               |
|               |                                        | 40      | 5200               |
|               |                                        | 44      | 5220               |
|               |                                        | 48      | 5240               |
|               | IEEE 802.11n HT40:<br>5180-5240MHz     | 38      | 5190               |
|               |                                        | 46      | 5230               |
|               |                                        |         |                    |
| UNII Band II  | IEEE 802.11a & n HT20:<br>5260-5320MHz | 52      | 5260               |
|               |                                        | 56      | 5280               |
|               |                                        | 60      | 5300               |
|               |                                        | 64      | 5320               |
|               | IEEE 802.11n HT40:<br>5270-5310MHz     | 54      | 5270               |
|               |                                        | 62      | 5310               |
|               |                                        |         |                    |
| UNII Band III | IEEE 802.11a & n HT20:<br>5500-5700MHz | 100     | 5500               |
|               |                                        | 104     | 5520               |
|               |                                        | 108     | 5540               |
|               |                                        | 112     | 5560               |
|               |                                        | 116     | 5580               |
|               |                                        | 132     | 5660               |
|               |                                        | 136     | 5680               |
|               |                                        | 140     | 5700               |
|               | IEEE 802.11n HT40:<br>5510-5670        | 102     | 5510               |
|               |                                        | 110     | 5550               |
|               |                                        | 134     | 5670               |
|               |                                        |         |                    |
| UNII Band IV  | IEEE 802.11a & n HT20:<br>5745-5825MHz | 149     | 5745               |
|               |                                        | 153     | 5765               |
|               |                                        | 157     | 5785               |
|               |                                        | 161     | 5805               |
|               |                                        | 165     | 5825               |
|               | IEEE 802.11n HT40:<br>5755-5795MHz     | 151     | 5755               |
|               |                                        | 159     | 5795               |

## 2.9. Test Equipment For EST Technology Co., Ltd.

### 2.9.1. For conducted emission test

| Equipment                | Manufacturer    | Model No.    | Serial No. | Calibration Body | Last Cal.  | Next Cal. |
|--------------------------|-----------------|--------------|------------|------------------|------------|-----------|
| EMI Test Receiver        | Rohde & Schwarz | ESHS30       | 832354     | CEPREI           | June 14,19 | 1 Year    |
| Artificial Mains Network | Rohde & Schwarz | ENV216       | 101260     | CEPREI           | June 14,19 | 1 Year    |
| Pulse Limiter            | Rohde & Schwarz | ESH3-Z2      | 101100     | CEPREI           | June 14,19 | 1 Year    |
| Test Software            | Audix           | e3-6.111221a | N/A        | N/A              | N/A        | N/A       |

### 2.9.2. For radiated emission test(9 kHz-30MHz)

| Equipment           | Manufacturer    | Model No.    | Serial No. | Calibration Body | Last Cal.  | Next Cal. |
|---------------------|-----------------|--------------|------------|------------------|------------|-----------|
| EMI Test Receiver   | Rohde & Schwarz | ESR7         | 101780     | CEPREI           | June 14,19 | 1 Year    |
| Active Loop Antenna | SCHWARZB ECK    | FMZB 1519B   | 1519B-088  | N/A              | June 14,19 | 1 Year    |
| Test Software       | Audix           | e3-6.111221a | N/A        | N/A              | N/A        | N/A       |

### 2.9.3. For radiated emissions test (30-1000MHz)

| Equipment         | Manufacturer    | Model No.    | Serial No. | Calibration Body | Last Cal.  | Next Cal. |
|-------------------|-----------------|--------------|------------|------------------|------------|-----------|
| EMI Test Receiver | Rohde & Schwarz | ESR7         | 101780     | CEPREI           | June 14,19 | 1 Year    |
| Bilog Antenna     | Teseq           | CBL 6111D    | 27090      | CEPREI           | June 14,19 | 1 Year    |
| Test Software     | Audix           | e3-6.111221a | N/A        | N/A              | N/A        | N/A       |

### 2.9.4. For radiated emission test(above 1GHz)

| Equipment                    | Manufacturer    | Model No.    | Serial No.     | Calibration Body | Last Cal.  | Next Cal. |
|------------------------------|-----------------|--------------|----------------|------------------|------------|-----------|
| Horn Antenna                 | SCHWARZB ECK    | BBHA 9120 D  | BBHA912 0D1002 | CEPREI           | June 14,19 | 1 Year    |
| Horn Antenna                 | SCHWARZB ECK    | BBHA9170     | BBHA917 0242   | CEPREI           | June 14,19 | 1 Year    |
| Signal Amplifier             | SCHWARZB ECK    | BBV9718      | 9718-212       | CEPREI           | June 14,19 | 1 Year    |
| Spectrum Analyzer            | Rohde & Schwarz | FSV          | 103173         | CEPREI           | June 14,19 | 1 Year    |
| PSA Series Spectrum Analyzer | Agilent         | E4447A       | MY50180 031    | CEPREI           | June 14,19 | 1 Year    |
| Test Software                | Audix           | e3-6.111221a | N/A            | N/A              | N/A        | N/A       |

## 2.9.5. For DFS and connect EUT antenna terminal test

| Equipment                    | Manufacturer    | Model No.  | Serial No. | Calibration Body | Last Cal.  | Next Cal. |
|------------------------------|-----------------|------------|------------|------------------|------------|-----------|
| TS 8997                      | Rohde & Schwarz | /          | /          | /                | /          | /         |
| Open Switch and Control Unit | Rohde & Schwarz | OSP-B157WB | 101309     | CEPREI           | June 14,19 | 1 Year    |
| Signal and Spectrum Analyzer | Rohde & Schwarz | FSV        | 103173     | CEPREI           | June 14,19 | 1 Year    |
| Signal Generator             | Rohde & Schwarz | SMB100A    | 108752     | CEPREI           | June 14,19 | 1 Year    |
| Vector Signal Generator      | Rohde & Schwarz | SMBV100A   | 260753     | CEPREI           | June 14,19 | 1 Year    |
| Test Software                | Rohde & Schwarz | WMS32      | V10.40.00  | N/A              | N/A        | N/A       |
| Spectrum Analyzer            | Agilent         | E4408B     | MY44211139 | CEPREI           | June 14,19 | 1 Year    |
| Temperature controller       | DK              | DK70A      | 006562     | Tiansu           | June 14,19 | 1 Year    |
| AC Source                    | CHANGJIAN       | 3KV        | EST215-007 | N/A              | N/A        | N/A       |

## 2.10. Test Data

9 kHz – 30 MHz

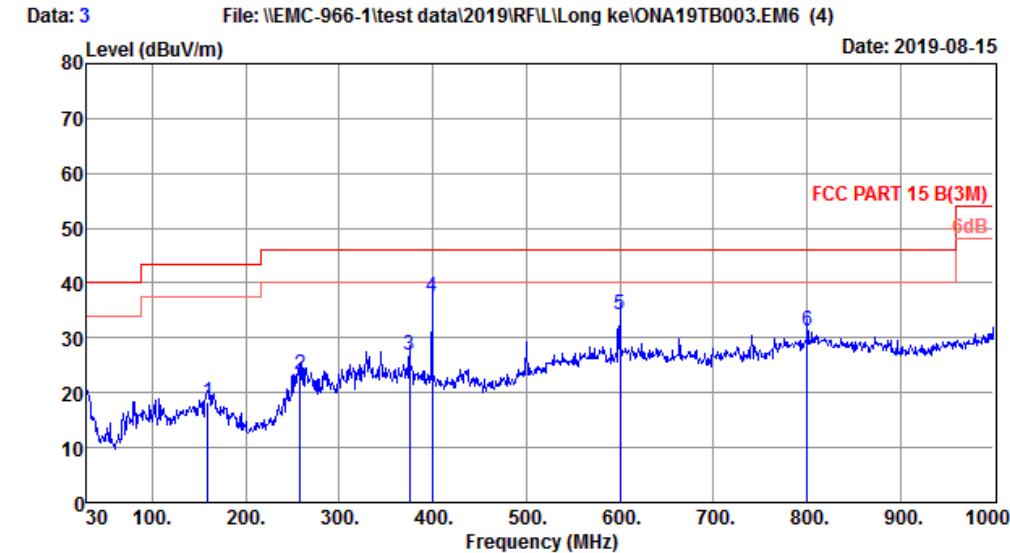
Pass

Note: The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

30 MHz – 1000 MHz

EST Technology

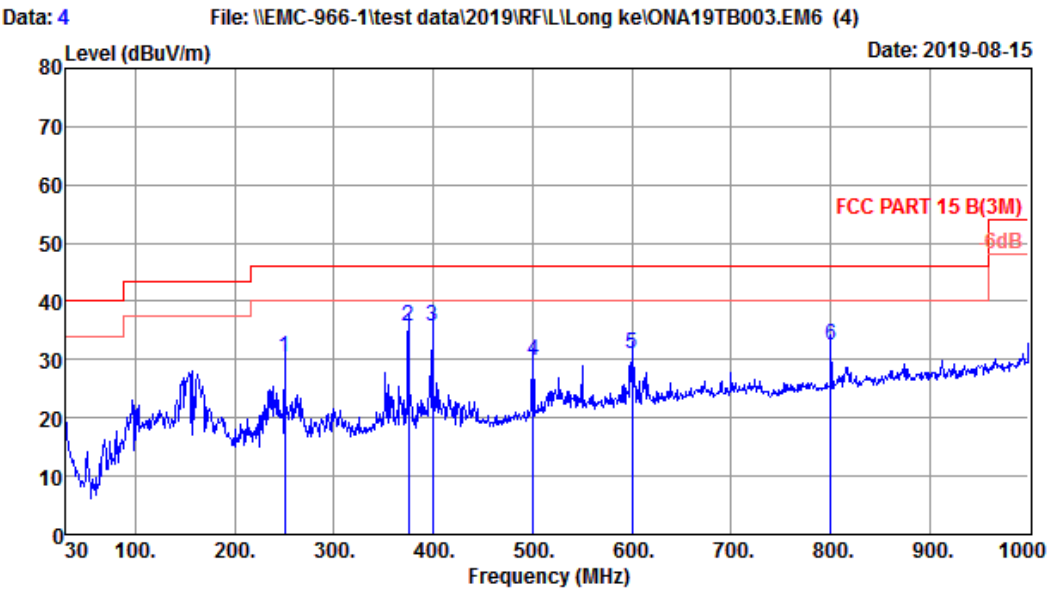
Chilingxiang, Qishantou, Santun,  
Houjie, Dongguan,Guangdong,China  
Tel:+86-769-83081888  
Fax:+86-769-83081878



Site no. : 1# 966 Chamber Data no. : 3  
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL  
Limit : FCC PART 15 B(3M)  
Env. / Ins. : Temp:26.9';Humi:61%;Press:101.52kPa  
Engineer : TEA  
EUT : 10.1" Android Tablet  
Power : DC 5V From Adapter Input AC 120V/60Hz  
M/N : ONA19TB003  
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 | 159.01         | 11.30                   | 1.14                  | 5.89              | 18.33                         | 43.50             | 25.17          | QP     |
| 2 | 257.95         | 13.56                   | 1.68                  | 8.22              | 23.46                         | 46.00             | 22.54          | QP     |
| 3 | 375.32         | 15.60                   | 2.19                  | 8.94              | 26.73                         | 46.00             | 19.27          | QP     |
| 4 | 399.57         | 16.20                   | 2.14                  | 19.10             | 37.44                         | 46.00             | 8.56           | QP     |
| 5 | 600.36         | 20.40                   | 2.97                  | 10.95             | 34.32                         | 46.00             | 11.68          | QP     |
| 6 | 800.18         | 22.90                   | 3.58                  | 4.75              | 31.23                         | 46.00             | 14.77          | 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.



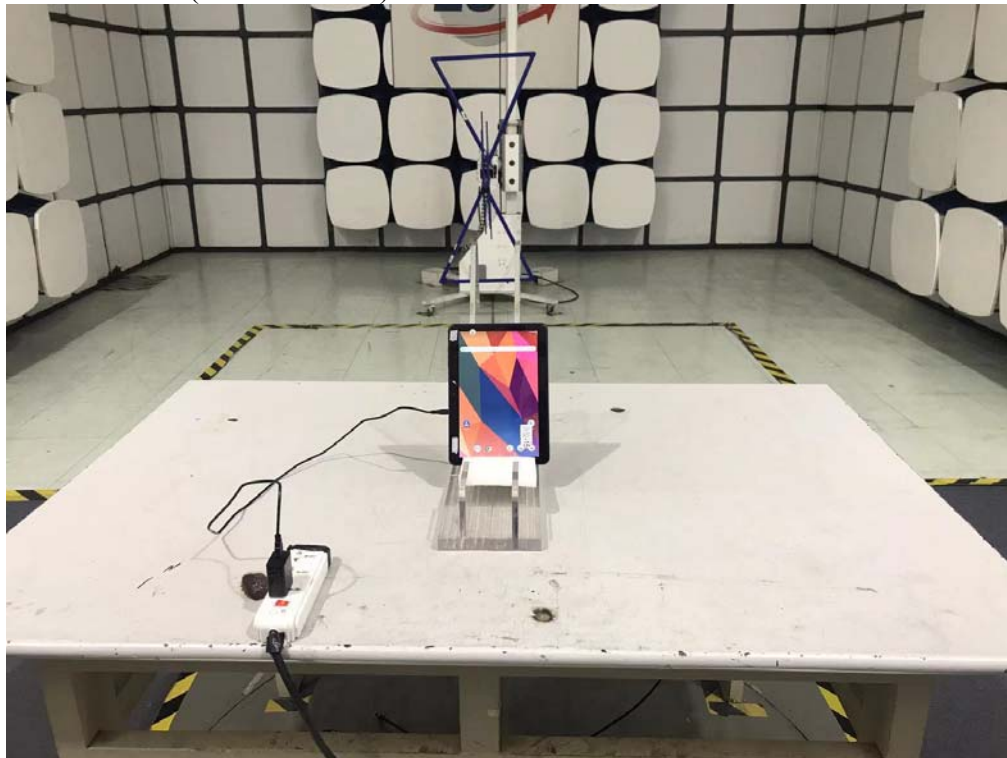
Site no. : 1# 966 Chamber                      Data no. : 4  
Dis. / Ant. : 3m 37062                      Ant. pol. : VERTICAL  
Limit : FCC PART 15 B(3M)  
Env. / Ins. : Temp:26.9';Humi:61%;Press:101.52kPa  
Engineer : TEA  
EUT : 10.1" Android Tablet  
Power : DC 5V From Adapter Input AC 120V/60Hz  
M/N : ONA19TB003  
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 | 250.19         | 12.40                   | 1.62                  | 16.41             | 30.43                         | 46.00             | 15.57          | QP     |
| 2 | 375.32         | 15.60                   | 2.19                  | 17.89             | 35.68                         | 46.00             | 10.32          | QP     |
| 3 | 399.57         | 16.20                   | 2.14                  | 17.52             | 35.86                         | 46.00             | 10.14          | QP     |
| 4 | 500.45         | 18.30                   | 2.67                  | 8.92              | 29.89                         | 46.00             | 16.11          | QP     |
| 5 | 600.36         | 20.40                   | 2.97                  | 7.73              | 31.10                         | 46.00             | 14.90          | QP     |
| 6 | 800.18         | 22.90                   | 3.58                  | 5.87              | 32.35                         | 46.00             | 13.65          | 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.

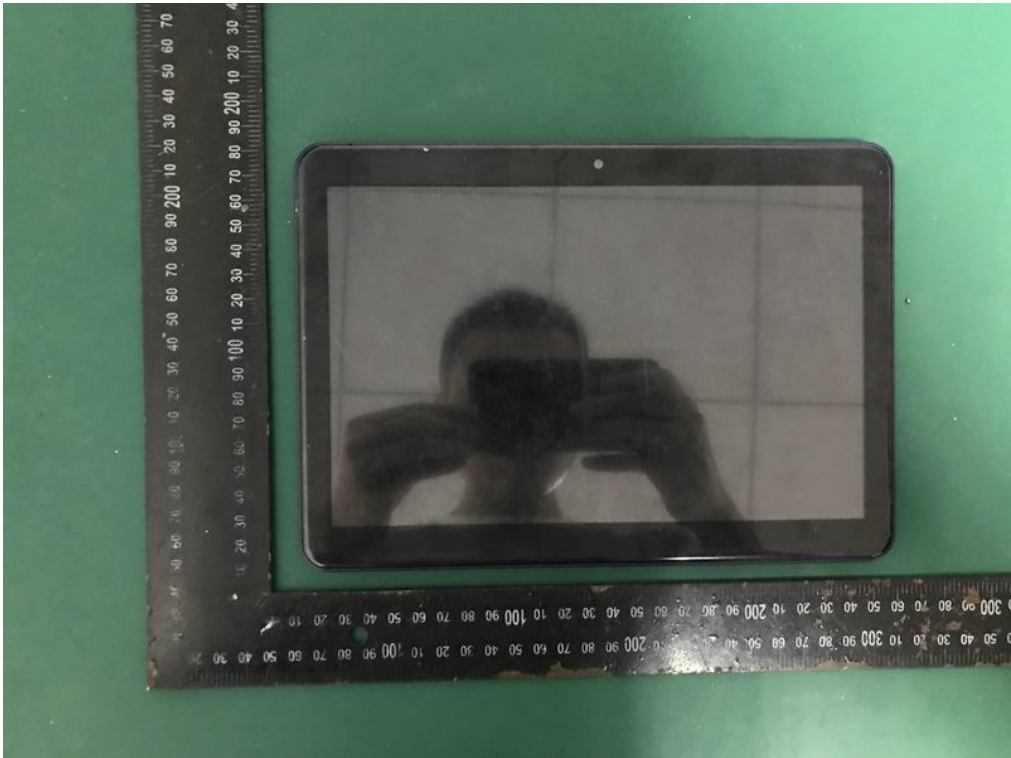
### 3. TEST SETUP PHOTO

Radiated Test (30-1000 MHz)



4. PHOTO OF EUT

External Photos  
M/N: ONA19TB003



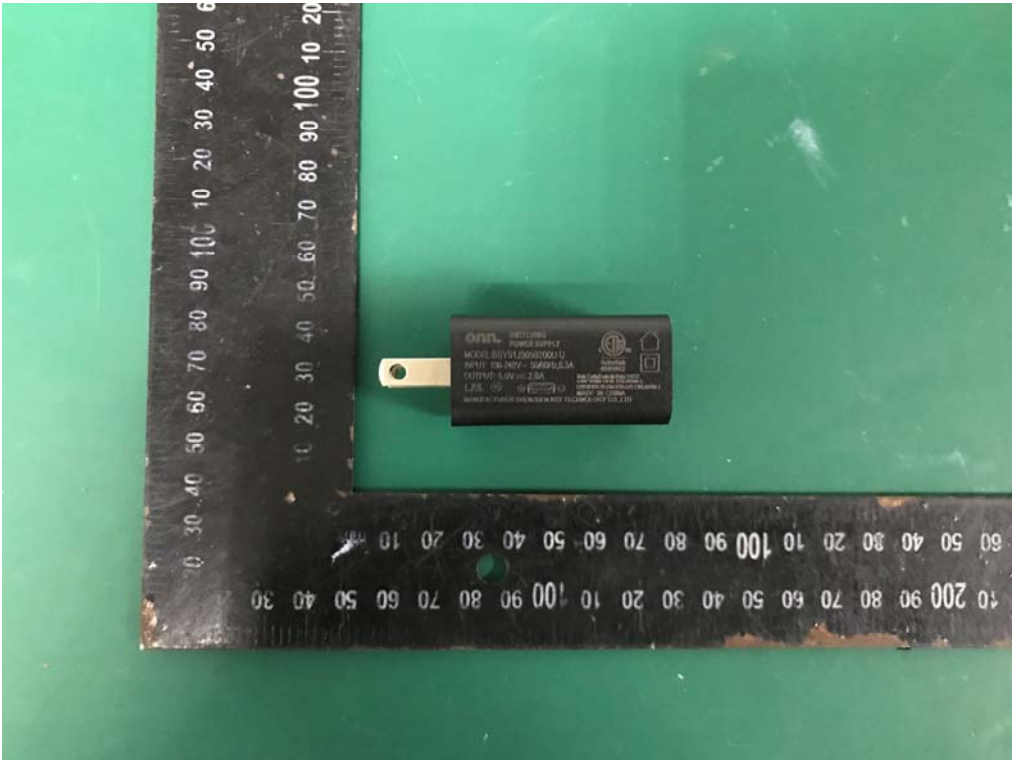
**External Photos**  
M/N: ONA19TB003



External Photos  
M/N: ONA19TB003

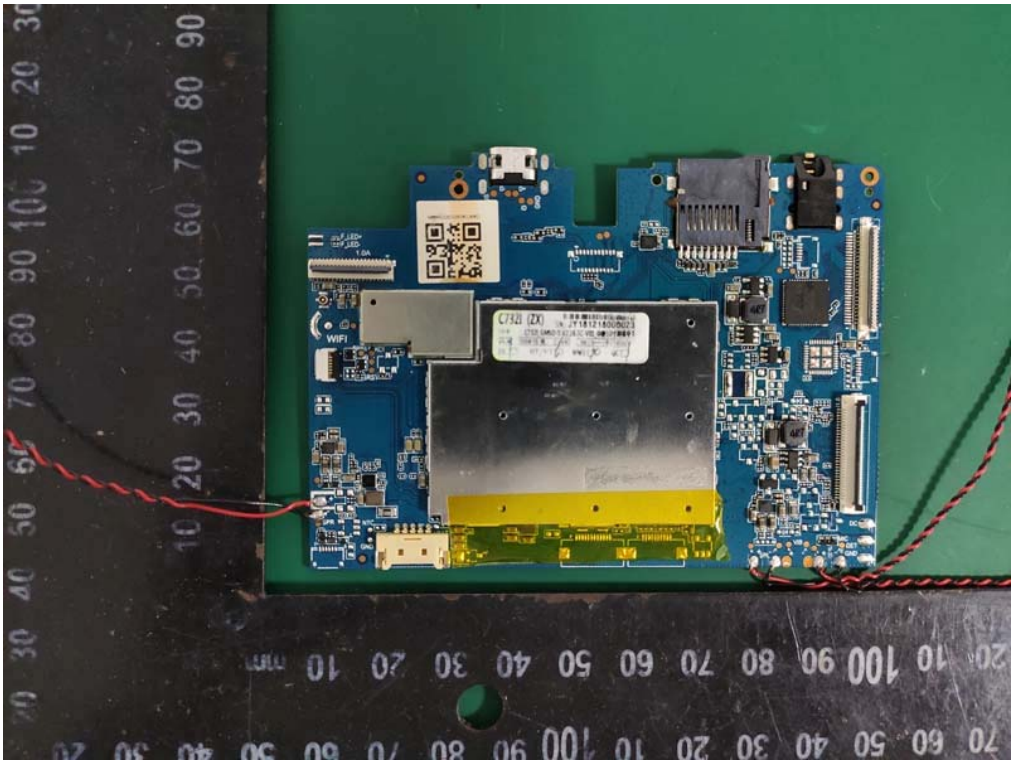


External Photos  
M/N: ONA19TB003

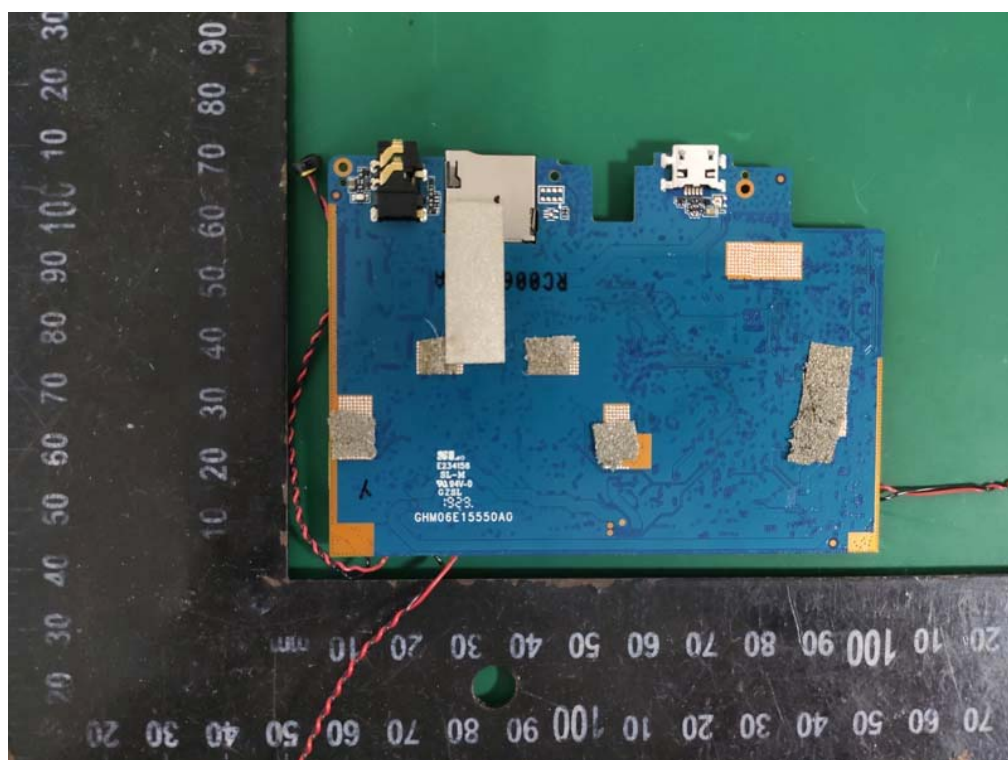
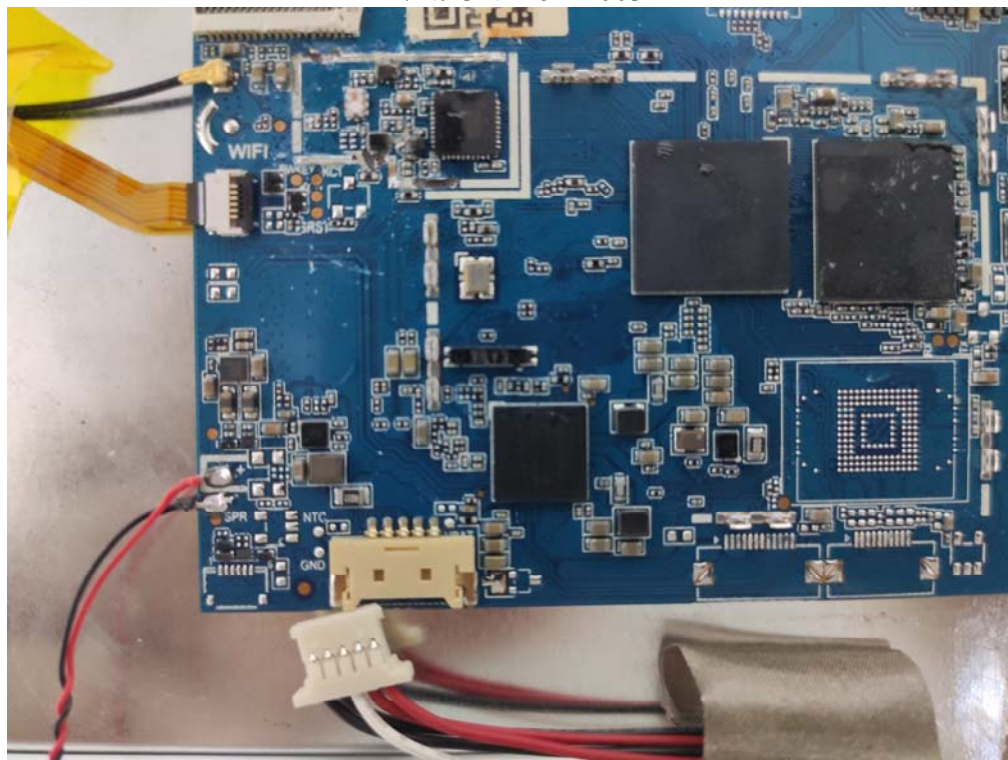


Internal Photos  
M/N: ONA19TB003

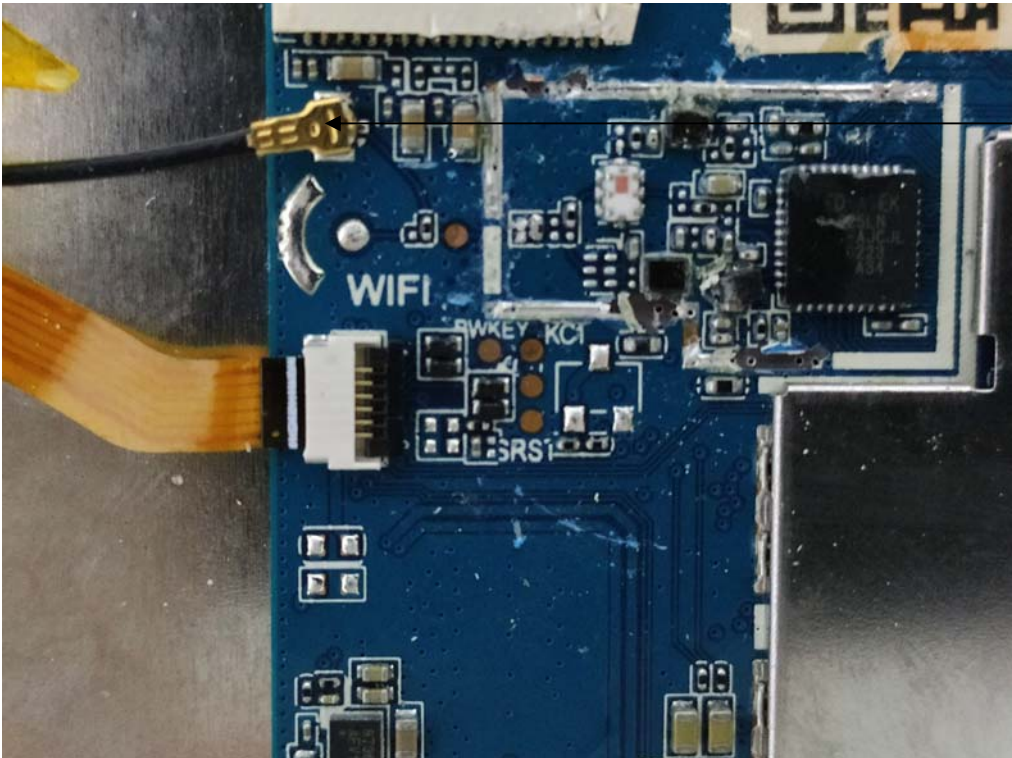
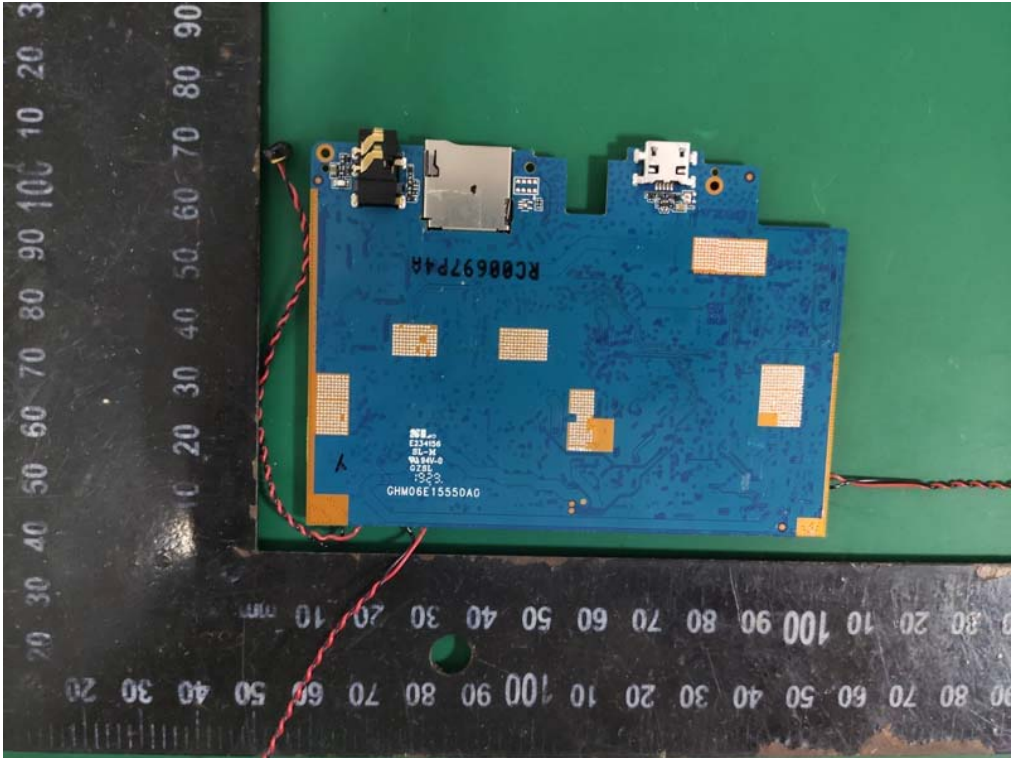
RF  
Antenna



**Internal Photos**  
M/N: ONA19TB003



Internal Photos  
M/N: ONA19TB003



RF  
Antenna Port

Internal Photos  
M/N: ONA19TB003

