# FCC Test Report FCC ID:2AEB5M691

Product: Tablet PC

**Trade Name:** AOC

**Model Number**: M691

Serial Model: N/A

Report No.: ISOT15031101F

# Prepared for

**AOC** 

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# Prepared by

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# TEST RESULT CERTIFICATION

Applicant's name ..... AOC

Manufacturer's Name .....: AOC

**Product description** 

Product name ...... Tablet PC

Model and/or type reference : M691

FCC Part15B:01 Oct.2014

**Standards** ..... : ANSI C63.4:2009

This device described above has been tested by Shenzhen ISOTek, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report.

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Date of Test

Date of Issue ...... 12 Mar. 2015

Test Result....: **Pass** 

> Compiled by: Approved by:

Lisa Huang/ Project Engineer

Lisa hung

Richard Chen/ Manager

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# 1. TEST SUMMARY

Test procedures according to the technical standards:

| EMC Emission                          |                    |         |      |  |  |  |  |  |
|---------------------------------------|--------------------|---------|------|--|--|--|--|--|
| Standard Test Item Limit Judgment Rem |                    |         |      |  |  |  |  |  |
| FCC Part15.107                        | Conducted Emission | Class B | PASS |  |  |  |  |  |
| FCC Part15.109                        | Radiated Emission  | Class B | PASS |  |  |  |  |  |

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#### 1.1 TEST FACILITY

All the tests were performed at:

Shenzhen Huance Wei Testing Lab at 10th Floor West Logistics Information Center Build, Shenzhen, China

Shenzhen Huance Wei Testing Lab, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration **369037**, Nov 07, 2016.

#### 1.2 MEASUREMENT UNCERTAINTY

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

#### A. Conducted Measurement:

| Method | Measurement Frequency Range | U , (dB) | NOTE |
|--------|-----------------------------|----------|------|
| ANSI   | 150 KHz ~ 30MHz             | 3.2      |      |

#### B. Radiated Measurement:

| Method | Measurement Frequency Range | U , (dB) | NOTE |
|--------|-----------------------------|----------|------|
| ANSI   | 30MHz ~ 1000MHz             | 4.7      |      |
|        | 1GHz ~12.4GHz               | 5.0      |      |

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# 2. GENERAL INFORMATION

# 2.1 GENERAL DESCRIPTION OF EUT

| Equipment          | Tablet PC                  |   |  |  |
|--------------------|----------------------------|---|--|--|
| Trade Name :       | AOC                        |   |  |  |
| Model Name         | M691                       |   |  |  |
| Serial Model       | N/A                        |   |  |  |
| Model Difference   | N/A                        |   |  |  |
|                    | The EUT is a Tablet PC.    |   |  |  |
|                    | Connecting I/O port:       | USB, Earphone                                       |  |  |
|                    | Operation Frequency:       | BT:2402~2480 MHz                                    |  |  |
|                    |                            | WIFI: 802.11b/g/n(20MHz):                           |  |  |
| Product            |                            | 2412~2462MHz  |  |  |
|                    |                            | 802.11n(40MHz):2422~2452MHz                         |  |  |
| Description        |                            |   |  |  |
|                    | Modulation Type:           | BT(1Mbps): GFSK                                     |  |  |
|                    |                            | BT EDR(2Mbps): $\pi$ /4-DQPSK                       |  |  |
|                    |                            | BT EDR(3Mbps): 8-DPSK<br>WIFI: CCK/OFDM/DBPSK/DAPSK |  |  |
|                    | Crystal oscillator         | 26MHz; 32.768kHz                                    |  |  |
|                    |                            | ,   |  |  |
| Power Source       | DC Voltage                 |   |  |  |
| Adaptor            | Model:XHY050150UUCH, Input | t: 100-240V~,50/60Hz                                |  |  |
| Adapter            | Output: 5.0V===, 1.5A      |   |  |  |
| Battery            | DC3.7V, 2800mAh            |   |  |  |
| Software version : | Android 4.2.2              |   |  |  |
| Hardware version : | MOLY.WR8.W1315.MD.WG.M     | P.V35.P2  |  |  |

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#### 2.1.1 DESCRIPTION OF TEST MODES

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

| Pretest Mode | Description          |
|--------------|----------------------|
| Mode 1       | Playing+chagring     |
| Mode 2       | Camera               |
| Mode 3       | Downloading+Charging |

| For Conducted Test          |                      |  |  |  |
|-----------------------------|----------------------|--|--|--|
| Final Test Mode Description |                      |  |  |  |
| Mode 1                      | Playing+chagring     |  |  |  |
| Mode 2                      | Camera               |  |  |  |
| Mode 3                      | Downloading+Charging |  |  |  |

| For Radiated Test           |                      |  |  |  |  |
|-----------------------------|----------------------|--|--|--|--|
| Final Test Mode Description |                      |  |  |  |  |
| Mode 1 Playing+chagring     |                      |  |  |  |  |
| Mode 2                      | Camera               |  |  |  |  |
| Mode 3                      | Downloading+Charging |  |  |  |  |

Note: Final Test Mode: Through Pre-scan, find the mode 3 is the worse case. Only the worst case mode is recorded in the report.

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#### 2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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

| Item | Equipment         | Brand | Model/Type No. | Series No.                   | Note |
|------|-------------------|-------|----------------|------------------------------|------|
| E-1  | Tablet PC         | N/A   | M691           | N/A                          | EUT  |
| E-2  | Personal computer | DELL  | FT4Y23X        | 34413561645                  |      |
| E-3  | Monitor           | DELL  | IN2020MB       | cn-0y6mhx-74261-<br>11f-67es |      |
| E-4  | Keyboard          | DELL  | SK-8185        | OY526KUS                     |      |
| E-5  | Mouse             | DELL  | MS111-P        | cn-011d3v-71581-1<br>1e-1th7 |      |
| E-6  | Printer           | Canon | L11121E        | LBP2900                      |      |
| E-7  | Adapter           | N/A   | XHY050150UUCH  | N/A                          |      |
|      |                   |       |                |                              |      |
|      |                   |       |                |                              |      |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|------|
| C-1  | NO            | NO           | 1.2m   |      |
| C-2  | NO            | NO           | 1.0m   |      |
| C-3  | NO            | NO           | 1.0m   |      |
| C-4  | NO            | NO           | 1.0m   |      |
| C-5  | NO            | NO           | 1.0m   |      |
| C-6  | NO            | NO           | 1.2m   |      |
|      |               |              |        |      |
|      |               |              |        |      |

#### Note:

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

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# 2.4 MEASUREMENT INSTRUMENTS LIST

# 2.4.1 CONDUCTED TEST SITE

| Item | Kind of<br>Equipment | Manufacturer | Type No.  | Serial No.        | Last calibration | Calibrated until | Calibratio n period |
|------|----------------------|--------------|-----------|-------------------|------------------|------------------|---------------------|
| 1    | Spectrum<br>Analyzer | Aglient      | E4446A    | US44300451        | 2014.07.06       | 2015.07.05       | 1 year              |
| 2    | EMI Test<br>Receiver | R&S          | ESCI      | 101165            | 2014.06.07       | 2015.06.06       | 1 year              |
| 3    | Bilog Antenna        | Schwarzbeck  | VULB 9168 | VULB9168 -<br>438 | 2014.07.06       | 2015.07.05       | 1 year              |
| 4    | Horn Antenna         | Schwarzbeck  | BBHA 9170 | 9170-182          | 2014.07.06       | 2015.07.05       | 1 year              |
| 5    | Amplifier            | Schwarzbeck  | BBV9743   | 9743 - 019        | 2014.07.06       | 2015.07.05       | 1 year              |

Conduction Test equipment

|      | Kind of              |                 |           |            |                  |                  | Calibra        |
|------|----------------------|-----------------|-----------|------------|------------------|------------------|----------------|
| Item | Kind of<br>Equipment | Manufacturer    | Type No.  | Serial No. | Last calibration | Calibrated until | tion<br>period |
| 1    | LISN                 | messtec         | AN3019    | NO.1       | Jul. 06, 2014    | Jul. 05, 2015    | 1 year         |
| 2    | LISN                 | SCHWARZBE<br>CK | NNLK 8129 | 8126466    | Jul. 06, 2014    | Jul. 05, 2015    | 1 year         |
| 3    | Pulse<br>Limiter     | SCHWARZBE<br>CK | VTSD9596F | 9618       | Jul. 06, 2014    | Jul. 05, 2015    | 1 year         |
| 4    | EMI Test<br>Receiver | R&S             | ESCI      | 100843     | Jul. 06, 2014    | Jul. 05, 2015    | 1 year         |
| 5    | Switch               | Schwarzbeck     | CX - 210  | 100196     | Jul. 06, 2014    | Jul. 05, 2015    | 1 year         |

# 3. EMC EMISSION TEST

#### 3.1 CONDUCTED EMISSION MEASUREMENT

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

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

#### Note:

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

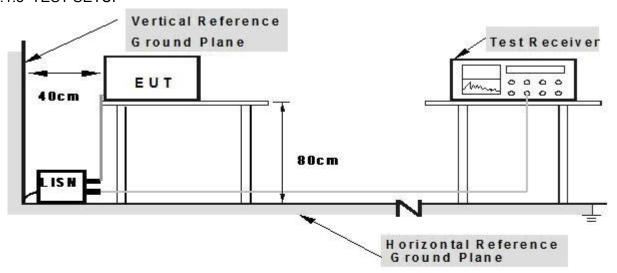
The following table is the setting of the receiver

|                     | <u> </u> |
|---------------------|----------|
| Receiver Parameters | Setting  |
| Attenuation         | 10 dB    |
| Start Frequency     | 0.15 MHz |
| Stop Frequency      | 30 MHz   |
| IF Bandwidth        | 9 kHz    |

#### 3.1.2 TEST PROCEDURE

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

#### 3.1.3 TEST SETUP



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

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

#### 3.1.4 EUT OPERATING CONDITIONS

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

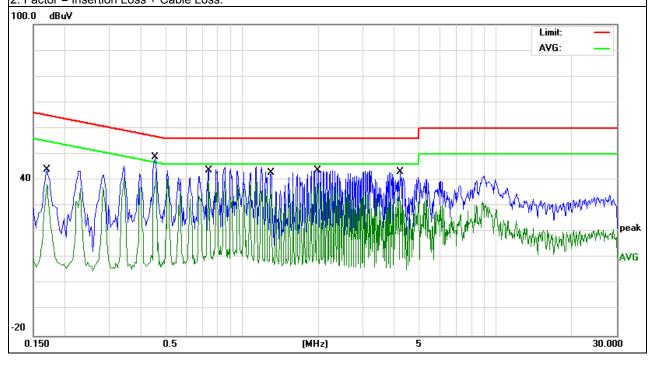
# 3.1.5 TEST RESULTS

| EUT:           | Tablet PC                  | Model Name. :            | M691       |
|----------------|----------------------------|--------------------------|------------|
| Temperature :  | 126 °C                     | Relative HuTablet PCity: | 54%        |
| Pressure :     | 1010hPa                    | Test Date :              | 2014-08-06 |
| Test Mode:     | Mode 3                     | Phase :                  | L          |
| Test Voltage : | DC 5V From PC AC 120V/60Hz |                          |            |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Remark |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz)     | (dBµV)        | (dB)           | (dBµV)       | (dBµV) | (dB)   | Remark |
| 0.1700    | 34.60         | 9.57           | 44.17        | 64.96  | -20.79 | QP     |
| 0.1700    | 28.85         | 9.57           | 38.42        | 54.96  | -16.54 | AVG    |
| 0.4580    | 37.62         | 9.51           | 47.13        | 56.73  | -9.60  | QP     |
| 0.4580    | 33.60         | 9.51           | 43.11        | 46.73  | -3.62  | AVG    |
| 0.7380    | 34.35         | 9.53           | 43.88        | 56.00  | -12.12 | QP     |
| 0.7380    | 30.36         | 9.53           | 39.89        | 46.00  | -6.11  | AVG    |
| 1.3060    | 31.59         | 9.54           | 41.13        | 56.00  | -14.87 | QP     |
| 1.3060    | 29.12         | 9.54           | 38.66        | 46.00  | -7.34  | AVG    |
| 1.9860    | 34.35         | 9.55           | 43.90        | 56.00  | -12.10 | QP     |
| 1.9860    | 29.24         | 9.55           | 38.79        | 46.00  | -7.21  | AVG    |
| 4.1459    | 30.18         | 9.59           | 39.77        | 56.00  | -16.23 | QP     |
| 4.1459    | 24.03         | 9.59           | 33.62        | 46.00  | -12.38 | AVG    |

#### Remark:

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



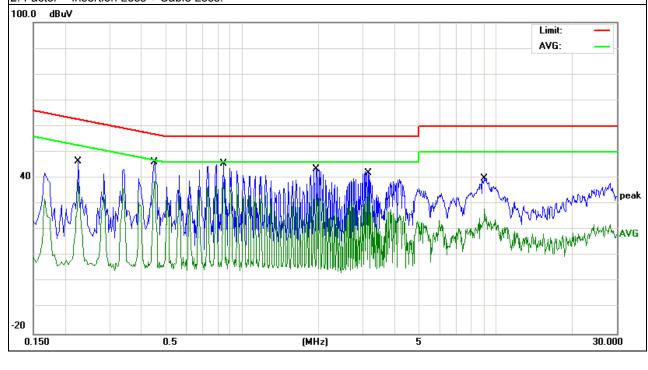
| EUT:           | Tablet PC                  | Model Name. :            | M691       |
|----------------|----------------------------|--------------------------|------------|
| Temperature :  | 126 °C                     | Relative HuTablet PCity: | 54%        |
| Pressure:      | 1010hPa                    | Test Date :              | 2014-08-06 |
| Test Mode:     | Mode 1                     | Phase :                  | N          |
| Test Voltage : | DC 5V From PC AC 120V/60Hz |                          |            |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Remark |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz)     | (dBµV)        | (dB)           | (dBµV)       | (dBµV) | (dB)   | Remark |
| 0.2260    | 36.91         | 9.49           | 46.40        | 62.59  | -16.19 | QP     |
| 0.2260    | 28.76         | 9.49           | 38.25        | 52.59  | -14.34 | AVG    |
| 0.4500    | 36.66         | 9.51           | 46.17        | 56.87  | -10.70 | QP     |
| 0.4500    | 29.07         | 9.51           | 38.58        | 46.87  | -8.29  | AVG    |
| 0.8460    | 35.90         | 9.53           | 45.43        | 56.00  | -10.57 | QP     |
| 0.8460    | 28.67         | 9.53           | 38.20        | 46.00  | -7.80  | AVG    |
| 1.9700    | 33.37         | 9.55           | 42.92        | 56.00  | -13.08 | QP     |
| 1.9700    | 24.41         | 9.55           | 33.96        | 46.00  | -12.04 | AVG    |
| 3.1500    | 32.48         | 9.58           | 42.06        | 56.00  | -13.94 | QP     |
| 3.1500    | 24.86         | 9.58           | 34.44        | 46.00  | -11.56 | AVG    |
| 9.0459    | 30.12         | 9.72           | 39.84        | 60.00  | -20.16 | QP     |
| 9.0459    | 18.39         | 9.72           | 28.11        | 50.00  | -21.89 | AVG    |

#### Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.



#### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

#### Notes:

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

#### 3.2.2 TEST PROCEDURE

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

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

e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

| Frequency Band<br>(MHz) | Function | Resolution bandwidth | Video Bandwidth |
|-------------------------|----------|----------------------|-----------------|
| 30~1000                 | QP       | 120kHz               | 300kHz          |

#### Test Arrangement for Radiated Emissions above 1 GHz.

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

was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The spectrum analyzer system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz

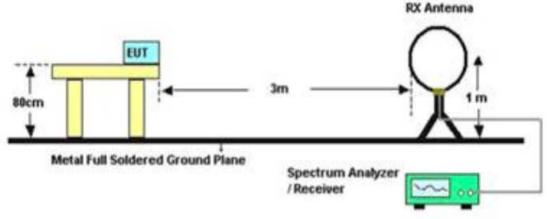
| Frequency Band<br>(MHz) | Function | Resolution bandwidth | Video Bandwidth |
|-------------------------|----------|----------------------|-----------------|
|                         | Peak     | 1 MHz                | 3 MHz           |
| Above 1000              | Average  | 1 MHz                | 10 Hz           |

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

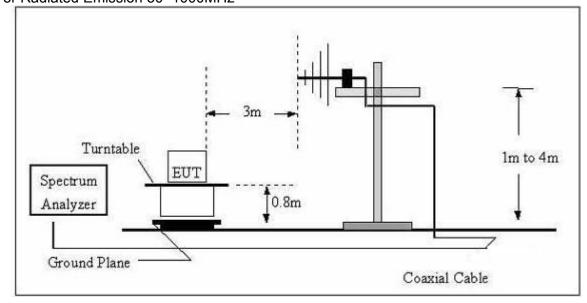
#### 3.2.3 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz

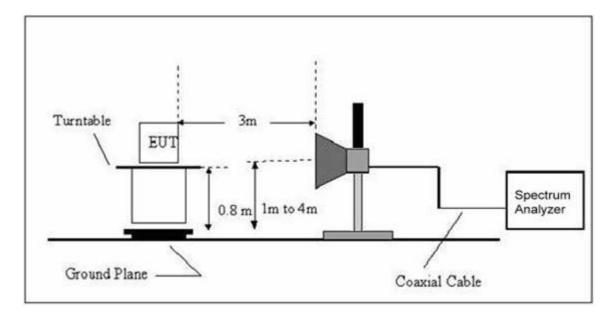
# For radiated emissions below 30MHz



#### For Radiated Emission 30~1000MHz



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



# 3.2.4 EUT OPERATING CONDITIONS

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

# 3.2.5 TEST RESULTS TEST RESULTS (Below 30 MHz)

Test Mode : TX

| EUT:          | 3G SMARTPHONE | Model Name :             | M691    |
|---------------|---------------|--------------------------|---------|
| Temperature : | 190 C         | Relative HuTablet PCity: | 48%     |
| Pressure:     | 1010 hPa      | Test Voltage :           | DC 3.7V |

Polarization:

| Freq. | Reading  | Limit    | Margin | State |
|-------|----------|----------|--------|-------|
| (MHz) | (dBuV/m) | (dBuV/m) | (dB)   | P/F   |
|       |          |          |        | Р     |
|       |          |          |        | Р     |

#### NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =20 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

| TEST RESULTS    | /20~1000 MIU> |
|-----------------|---------------|
| II EO I NEOULIO |               |

| EUT:                                    | Tablet PC | Model Name :             | M691       |
|---|-----------|--------------------------|------------|
| Temperature :                           | 194 °C    | Relative HuTablet PCity: | 54%        |
| Pressure:                               | 1010 hPa  | Test Date :              | 2014-08-06 |
| Test Mode :                             | Mode 3    | Polarization :           | Horizontal |
| Test Power : DC 5V From PC AC 120V/60Hz |           |                          |            |

| Freq.    | Reading | Factor | Measurement | Limit  | Over  | Remark |  |
|----------|---------|--------|-------------|--------|-------|--------|--|
| (MHz)    | (dBuV)  | (dBuV) | (dBuV)      | (dBuV) | (dB)  | Remark |  |
| 56.1974  | 25.68   | 8.92   | 34.60       | 40.00  | -5.40 | QP     |  |
| 180.0165 | 28.78   | 10.63  | 39.41       | 43.50  | -4.09 | QP     |  |
| 238.3102 | 29.23   | 13.37  | 42.60       | 46.00  | -3.40 | QP     |  |
| 300.3672 | 28.82   | 14.16  | 42.98       | 46.00  | -3.02 | QP     |  |
| 480.5276 | 24.19   | 19.91  | 44.10       | 46.00  | -1.90 | QP     |  |
| 665.8035 | 20.28   | 23.85  | 44.13       | 46.00  | -1.87 | QP     |  |

#### Remark:

1. Factor = Antenna Factor + Cable Loss - Amplifier.

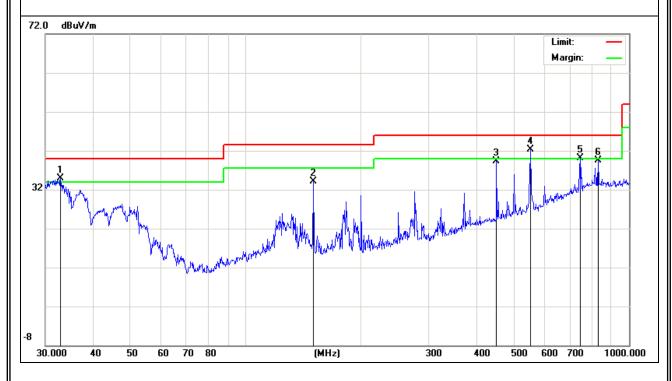


| EUT:                                    | Tablet PC | Model Name :             | M691       |
|---|-----------|--------------------------|------------|
| Temperature :                           | 124 °C    | Relative HuTablet PCity: | 54%        |
| Pressure:                               | 1010 hPa  | Test Date :              | 2014-08-06 |
| Test Mode :                             | Mode 1    | Polarization :           | Vertical   |
| Test Power : DC 9V From PC AC 120V/60Hz |           |                          |            |

| _ |          |         |        |             |        |       |        |  |
|---|----------|---------|--------|-------------|--------|-------|--------|--|
|   | Freq.    | Reading | Factor | Measurement | Limit  | Over  |        |  |
|   | (MHz)    | (dBuV)  | (dBuV) | (dBuV)      | (dBuV) | (dB)  | Remark |  |
|   | 32.8637  | 17.05   | 17.86  | 34.91       | 40.00  | -5.09 | QP     |  |
|   | 150.0107 | 23.69   | 10.41  | 34.10       | 43.50  | -9.40 | QP     |  |
|   | 451.1349 | 19.94   | 19.33  | 39.27       | 46.00  | -6.73 | QP     |  |
|   | 552.8831 | 20.90   | 21.40  | 42.30       | 46.00  | -3.70 | QP     |  |
|   | 744.8659 | 14.07   | 25.96  | 40.03       | 46.00  | -5.97 | QP     |  |
|   | 830.4002 | 12.13   | 27.30  | 39.43       | 46.00  | -6.57 | QP     |  |

#### Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



# 3.2.6 TEST RESULTS(1000~12400MHz)

| Polar | Frequency | Meter Reading | Factor | Emission<br>Level | Limits | Margin | Remark |
|-------|-----------|---------------|--------|-------------------|--------|--------|--------|
| (H/V) | (MHz)     | (dBm)         | (dB)   | (dBm)             | (dBm)  | (dB)   |        |
| V     | 1894.621  | 85.96         | -17.15 | 68.81             | 74.00  | -5.19  | peak   |
| V     | 1894.621  | 60.82         | -17.15 | 43.67             | 54.00  | -10.33 | AVG    |
| V     | 2657.389  | 82.37         | -15.76 | 66.61             | 74.00  | -7.39  | peak   |
| V     | 2657.389  | 59.34         | -15.76 | 43.58             | 54.00  | -10.42 | AVG    |
| V     | 4013.629  | 76.71         | -11.22 | 65.49             | 74.00  | -8.51  | peak   |
| V     | 4013.629  | 53.98         | -11.22 | 42.76             | 54.00  | -11.24 | AVG    |
| Н     | 1896.351  | 81.81         | -17.14 | 64.67             | 74.00  | -9.33  | peak   |
| Н     | 1896.351  | 58.40         | -17.14 | 41.26             | 54.00  | -12.74 | AVG    |
| Н     | 3116.378  | 82.03         | -15.54 | 66.49             | 74.00  | -7.51  | peak   |
| Н     | 3116.378  | 58.51         | -15.54 | 42.97             | 54.00  | -11.03 | AVG    |
| Н     | 4361.254  | 75.44         | -10.13 | 65.31             | 74.00  | -8.69  | peak   |
| Н     | 4361.254  | 51.49         | -10.13 | 41.36             | 54.00  | -12.64 | AVG    |

Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit

----END OF REPORT----