

# **RF EXPOSURE TEST**

## **FCC ID: 2AAWC-778TPC**

For  
Electromagnetic Interference

Of

**Product :** Mobile Internet Device

**Trade Name :** iView

**Model Number :** 778TPC

**Prepared for**

Wiltronic Corporation

13939 Central Ave. Chino, CA 91710

**Prepared by**

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**TEST RESULT CERTIFICATION**

**Applicant's name** ..... : Wiltronic Corporation

Address ..... : 13939 Central Ave. Chino, CA 91710

**Manufacturer's Name** ..... : Wiltronic Corporation

Address ..... : 13939 Central Ave. Chino, CA 91710

**Product description**

Product name ..... : Mobile Internet Device

Model and/or type reference : 778TPC

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

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**Date of Test** .....

Date (s) of performance of tests ..... : 21 Aug. 2013 ~10 Sep. 2013

Date of Issue ..... : 10 Sep. 2013

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

Testing Engineer : Jason Chen  
(Jason Chen)

Technical Manager : Jim He  
(Jim He)

Authorized Signatory : Bovey Yang  
(Bovey Yang)

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## 1. GENERAL INFORMATION

### 1.1 GENERAL DESCRIPTION OF EUT

|                      |  |                      |       |                      |     |
|----------------------|--|----------------------|-------|----------------------|-----|
| Equipment            | Mobile Internet Device   |                      |       |                      |     |
| Model Name           | 778TPC   |                      |       |                      |     |
| Serial No            | N/A  |                      |       |                      |     |
| Model Difference     | N/A  |                      |       |                      |     |
| Product Description  | <p>The EUT is a Mobile Internet Device.</p> <table border="1"><tr><td>Operating frequency:</td><td>24MHz</td></tr><tr><td>Connecting I/O port:</td><td>USB</td></tr></table> <p>Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.</p> | Operating frequency: | 24MHz | Connecting I/O port: | USB |
| Operating frequency: | 24MHz  |                      |       |                      |     |
| Connecting I/O port: | USB  |                      |       |                      |     |
| Adapter              | Model: JK050150-802USD<br>AC Power Input: 100-240V~, 50/60Hz, 0.3A<br>Output: 5.0V == 1500mA   |                      |       |                      |     |
| Battery              | Capacitance: 2800mAh<br>Rated Voltage: 3.7V<br>Charge Limit: 4.2V  |                      |       |                      |     |

## Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB 447498 (2)(a)(i)

For portable device, the power limit is  $60/f$  (in GHz) mW

For limit  $60/f$  is equal:

$60/2.402=24.97$  mW

$60/2.441=24.58$  mW

$60/2.480=24.19$  mW

Maximum measured transmitter power

| Frequency (MHz) | Antenna Gain (dBm) | EIRP (dBm) | Max EIRP (dBm) | EIRP (mW)   |
|-----------------|--------------------|------------|----------------|-------------|
| <b>1Mbps</b>    |                    |            |                |             |
| 2402            | 2.0                | 4.934      | 6.934          | 4.94        |
| 2441            | 2.0                | 5.047      | 7.047          | 5.07        |
| 2480            | 2.0                | 5.383      | 7.383          | <b>5.47</b> |
| <b>2Mbps</b>    |                    |            |                |             |
| 2402            | 2.0                | 4.985      | 6.985          | 4.99        |
| 2441            | 2.0                | 4.201      | 6.201          | 4.17        |
| 2480            | 2.0                | 4.392      | 6.392          | 4.36        |
| <b>3Mbps</b>    |                    |            |                |             |
| 2402            | 2.0                | 4.568      | 6.568          | 4.54        |
| 2441            | 2.0                | 4.638      | 6.638          | 4.61        |
| 2480            | 2.0                | 4.828      | 6.828          | 4.82        |

The max.output power E.I.R.P is  $5.47$  mW <  $24.97$  mW

**Conclusion:** No SAR is required.