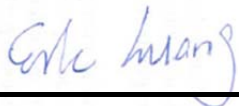


RF Exposure Evaluation Report

APPLICANT : Maestro Wireless Holdings Limited
EQUIPMENT : 3G WiFi Router
BRAND NAME : Maestro
MODEL NAME : E206XT
MARKETING NAME : E206XT
FCC ID : WN6-E206XT
STANDARD : 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL (SHENZHEN) INC., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1091, and pass the limit. Without written approval of SPORTON INTERNATIONAL (SHENZHEN) INC., the test report shall not be reproduced except in full.



Reviewed by: Eric Huang / Deputy Manager



Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL (SHENZHEN) INC.

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Revision History

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|------------|---------|-------------------------|---------------|
| FA531712 | Rev. 01 | Initial issue of report | Apr. 23, 2015 |
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**1. Administration Data****1.1. Testing Laboratory**

| Testing Laboratory | |
|--------------------|--|
| Test Site | SPORTON INTERNATIONAL (SHENZHEN) INC. |
| Test Site Location | 1F & 2F,Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town, Nanshan District, Shenzhen, Guangdong, P. R. China TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 |

| Applicant | |
|--------------|---|
| Company Name | Maestro Wireless Holdings Limited |
| Address | FLAT A & B, 9/F, WING CHEONG FACTORY BUILDING, 121 KING LAM STREET, CHEUNG SHA WAN, HONG KONG |

| Manufacturer | |
|--------------|---|
| Company Name | Maestro Wireless Holdings Limited |
| Address | FLAT A & B, 9/F, WING CHEONG FACTORY BUILDING, 121 KING LAM STREET, CHEUNG SHA WAN, HONG KONG |

2. Description of Equipment Under Test (EUT)

| Product Feature & Specification | |
|--|---|
| EUT Type | 3G WiFi Router |
| Brand Name | Maestro |
| Model Name | E206XT |
| Marketing Name | E206XT |
| FCC ID | WN6-E206XT |
| IMEI Code | 013165000063780 |
| Wireless Technology and Frequency Range | GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz |
| Mode | <ul style="list-style-type: none"> • GPRS/EGPRS • RMC 12.2Kbps Rel 99 • HSDPA Rel 6 • HSUPA Rel 6 • 802.11b/g/n HT20/HT40 |
| Integrated WWAN Module | Brand Name: AirPrime Model Name: SL9090 |
| Antenna Type | WWAN: Dipole Antenna WLAN: Dipole Antenna GPS: Ceramic Patch Antenna |
| HW Version | V06 |
| SW Version | V2.0 |
| EUT Stage | Pre-Production |
| Remark: <ol style="list-style-type: none"> 1. This device supports GRPS mode up to multi-slot class10 and EGPRS multi-slot class12. 2. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description. | |

**3. Maximum RF average output power among production units**

| Mode | GSM 850 | GSM 1900 |
|-------------------------|--------------------|----------|
| | Average power(dBm) | |
| GPRS (GMSK, 1 Tx slot) | 32.50 | 29.50 |
| GPRS (GMSK, 2 Tx slots) | 32.50 | 29.50 |
| EDGE (8PSK, 1 Tx slot) | 27.00 | 25.50 |
| EDGE (8PSK, 2 Tx slots) | 27.00 | 25.50 |
| EDGE (8PSK, 3 Tx slots) | 27.00 | 25.50 |
| EDGE (8PSK, 4 Tx slots) | 27.00 | 25.50 |

| Mode | WCDMA Band V | WCDMA Band II |
|-----------------|--------------------|---------------|
| | average power(dBm) | |
| RMC 12.2Kbps | 23.50 | 23.00 |
| HSDPA Subtest-1 | 23.00 | 22.00 |
| HSDPA Subtest-2 | 23.00 | 22.00 |
| HSDPA Subtest-3 | 22.50 | 21.50 |
| HSDPA Subtest-4 | 22.50 | 21.50 |
| HSUPA Subtest-1 | 22.50 | 21.50 |
| HSUPA Subtest-2 | 21.00 | 20.50 |
| HSUPA Subtest-3 | 21.50 | 20.50 |
| HSUPA Subtest-4 | 21.50 | 21.00 |
| HSUPA Subtest-5 | 23.00 | 22.00 |

| Mode | | Maximum Average Power (dBm) |
|--------|--------------|-----------------------------|
| 2.4GHz | 802.11b | 14.50 |
| | 802.11g | 14.00 |
| | 802.11n-HT20 | 13.00 |
| | 802.11n-HT40 | 10.50 |

4. RF Exposure Limit Introduction

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm ²) | Averaging time (minutes) |
|--|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| (A) Limits for Occupational/Controlled Exposures | | | | |
| 0.3-3.0 | 614 | 1.63 | *(100) | 6 |
| 3.0-30 | 1842/f | 4.89/f | *(900/f ²) | 6 |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 |
| 300-1500 | | | f/300 | 6 |
| 1500-100,000 | | | 5 | 6 |
| (B) Limits for General Population/Uncontrolled Exposure | | | | |
| 0.3-1.34 | 614 | 1.63 | *(100) | 30 |
| 1.34-30 | 824/f | 2.19/f | *(180/f ²) | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | | | f/1500 | 30 |
| 1500-100,000 | | | 1.0 | 30 |

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna



5. Radio Frequency Radiation Exposure Evaluation

5.1. Standalone Power Density Calculation

| Band | Frequency (MHz) | Antenna Gain (dBi) | Maximum Power (dBm) | Maximum ERP/EIRP (W) | Maximum output power Limit (W) | Average EIRP (mW) | Power Density at 20cm (mW/cm ²) | Limit (mW/cm ²) | Power Density / Limit |
|-------------------------|-----------------|--------------------|---------------------|----------------------|--------------------------------|-------------------|---|-----------------------------|-----------------------|
| GPRS 850 (1 Tx slot) | 824.2 | 2.16 | 32.50 | 34.66 | 2.92 | 368.13 | 0.07 | 0.55 | 0.13 |
| GPRS 850 (2 Tx slots) | 824.2 | 2.16 | 32.50 | 34.66 | 2.92 | 734.51 | 0.15 | 0.55 | 0.27 |
| EGPRS 850 (1 Tx slot) | 824.2 | 2.16 | 27.00 | 29.16 | 0.82 | 103.75 | 0.02 | 0.55 | 0.04 |
| EGPRS 850 (2 Tx slots) | 824.2 | 2.16 | 27.00 | 29.16 | 0.82 | 207.01 | 0.04 | 0.55 | 0.07 |
| EGPRS 850 (3 Tx slots) | 824.2 | 2.16 | 27.00 | 29.16 | 0.82 | 309.03 | 0.06 | 0.55 | 0.11 |
| EGPRS 850 (4 Tx slots) | 824.2 | 2.16 | 27.00 | 29.16 | 0.82 | 413.05 | 0.08 | 0.55 | 0.15 |
| GPRS 1900 (1 Tx slot) | 1850.2 | 0.42 | 29.50 | 29.92 | 0.98 | 123.59 | 0.02 | 1.00 | 0.02 |
| GPRS 1900 (2 Tx slots) | 1850.2 | 0.42 | 29.50 | 29.92 | 0.98 | 246.60 | 0.05 | 1.00 | 0.05 |
| EGPRS 1900 (1 Tx slot) | 1850.2 | 0.42 | 25.50 | 25.92 | 0.39 | 49.20 | 0.01 | 1.00 | 0.01 |
| EGPRS 1900 (2 Tx slots) | 1850.2 | 0.42 | 25.50 | 25.92 | 0.39 | 98.17 | 0.02 | 1.00 | 0.02 |
| EGPRS 1900 (3 Tx slots) | 1850.2 | 0.42 | 25.50 | 25.92 | 0.39 | 146.55 | 0.03 | 1.00 | 0.03 |
| EGPRS 1900 (4 Tx slots) | 1850.2 | 0.42 | 25.50 | 25.92 | 0.39 | 195.88 | 0.04 | 1.00 | 0.04 |
| WCDMA Band V | 826.4 | 2.16 | 23.50 | 25.66 | 0.37 | 368.13 | 0.07 | 0.55 | 0.13 |
| WCDMA Band II | 1852.4 | 0.42 | 23.00 | 23.42 | 0.22 | 219.79 | 0.04 | 1.00 | 0.04 |
| WLAN2.4GHz | 2412.0 | 3.80 | 14.50 | 18.30 | 0.07 | 67.61 | 0.01 | 1.00 | 0.01 |

Note: For conservativeness, the lowest uplink frequency of each band is used to determine the MPE limit of that band.

**5.2. Collocated Power Density Calculation**

| Mode | Frequency | WLAN Power Density / Limit | GPRS850 (2 TX slots) Power Density / Limit | Σ (Power Density / Limit) of WWAN+WLAN |
|------------|-------------------|----------------------------------|---|---|
| WLAN2.4GHz | 2412MHz ~ 2462MHz | 0.01 | 0.27 | 0.28 |

Note:

1. For colocation analysis, GPRS850 (2TX slot) is chosen for summation due to the highest (power density/limit) among all WWAN wireless modes.
2. Σ (Power Density / Limit): This is a summation of [(power density for each transmitter/antenna included in the simultaneous transmission)/ (corresponding MPE limit)], for WWAN + WLAN.
3. Considering the WWAN collocation with the WLAN transmitter of the EIRP performance listed in the table above, the aggregated (power density /limit) is smaller than 1, and MPE of 2 collocated transmitters is compliant.

Conclusion:

According to 47 CFR §2.1091, the RF exposure analysis concludes that the RF Exposure is FCC compliant.