# RF Exposure Evaluation Report

| | | |
|---|---|---|
| APPLICANT | : | Motorola Mobility LLC |
| EQUIPMENT | : | Stylus Pen |
| BRAND NAME | | Motorola |
| MODEL NAME | : | XT2604-1 |
| FCC ID | : | IHDT6AC4 |
| STANDARD | : | 47 CFR PART 2.1093<br>FCC KDB 447498 D01 v06 |

**The product evaluation date was started from Jan. 05, 2026 and completed on Jan. 05, 2026. We, Sporton International Inc. (Kunshan),, would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1093 and FCC KDB 447498 D01 v06, and pass the limit. Without written approval of Sporton International Inc. (Kunshan),, the test report shall not be reproduced except in full.**

Si Zhang

**Approved by: Si Zhang**

***Sporton International Inc. (Kunshan)***
***No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300***
***People's Republic of China***

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## Revision History

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|---|---|---|---|
| FA5D1103 | Rev. 01 | Initial issue of report | Jan. 07, 2026 |
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# 1. Administration Data

## 1.1. Testing Laboratory

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

| Testing Laboratory | | | |
|---|---|---|---|
| **Test Firm** | Sporton International Inc. (Kunshan) | | |
| **Test Site Location** | No. 1098, Pengxi North Road, Kunshan Economic Development Zone<br>Jiangsu Province 215300 People's Republic of China<br>TEL : +86-512-57900158 | | |
| **Test Site No.** | **Sporton Site No.** | **FCC Designation No.** | **FCC Test Firm Registration No.** |
| | SAR01-KS | CN1257 | 314309 |

| Applicant | |
|---|---|
| **Company Name** | Motorola Mobility LLC |
| **Address** | 222 W,Merchandise Mart Plaza, Chicago IL 60654 USA |

| Manufacturer | |
|---|---|
| **Company Name** | Motorola Mobility LLC |
| **Address** | 222 W,Merchandise Mart Plaza, Chicago IL 60654 USA |

## 2. Description of Equipment Under Test (EUT)

| Product Feature & Specification | |
|---|---|
| **EUT Type** | Stylus Pen |
| **Brand Name** | Motorola |
| **Model Name** | XT2604-1 |
| **FCC ID** | IHDT6AC4 |
| **Wireless Technology and Frequency Range** | Bluetooth: 2402 MHz ~ 2480 MHz<br>specific RF technology: 111 kHz ~ 494 kHz |
| **Mode** | Bluetooth LE<br>specific RF technology: PWM |
| **Antenna Type** | Bluetooth : Monopole FPC Antenna<br>specific RF technology: Pen tip Antenna |
| **Antenna Gain** | Bluetooth: gain 2.29 dBi |
| **HW Version** | 0V2 |
| **SW Version** | V1.0.33 |
| **EUT Stage** | Identical Prototype |
| **Remark:**<br>1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.<br>2. The specific RF technology RF Exposure report will be separately submitted.<br>3. WPT support Rx only. | |

| Comments and Explanations: |
|---|
| 1. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.<br>2. The maximum RF output tune up power, antenna gain also the safe distance used for evaluate RF exposure were declared by manufacturer. |

## 3. Maximum RF Tune Up power among production units

**<Bluetooth>**

| Mode | Maximum Average Power (dBm) |
|---|---|
| Bluetooth LE | 0.00 |

# 4. RF Exposure Evaluation

| Mode | Maximum Average Power (dBm) |
|---|---|
| Bluetooth LE | 0.00 |

**Note:**

1. Per KDB 447498 D01v06 the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:
   [(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
   - f(GHz) is the RF channel transmit frequency in GHz
   - Power and distance are rounded to the nearest mW and mm before calculation
   - The result is rounded to one decimal place for comparison

| Bluetooth Max Power (dBm) | Separation Distance (mm) | Frequency (GHz) | exclusion thresholds |
|---|---|---|---|
| 0.00 | < 5 | 2.48 | 0.3 |

## Conclusion:

1. Per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.3 which is ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, 1-g SAR and extremity SAR testing is not required, and complied with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg for 1g SAR and 4.0 W/kg for extremity SAR) specified in FCC 47 CFR part 2 (2.1093).
2. According to the EUT characteristic, specific RF technology and Bluetooth can transmit simultaneously.
3. For simultaneous transmission analysis, nRF SAR is estimated per KDB 447498 D01v06 based on the formula below: (FCC)
   i) (*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)]·[√f(GHz)/*x*] W/kg for *test separation distances* ≤ 50 mm; where *x* = 7.5 for 1-g SAR.
   ii) When the minimum separation distance is < 5mm, the distance is used 5mm to determine SAR test exclusion.
   iii) 0.4 W/kg for 1-g SAR, when the test separation distances is > 50 mm.
   iv) nRF estimated SAR is conservatively determined by 20 mm separation, for all applicable exposure positions.

| Bluetooth Max Power | Exposure Position | All Positions |
|---|---|---|
| 0 dBm | Estimated SAR (W/kg) | 0.042 W/kg |

| Bluetooth 1g SAR (W/kg) | specific RF technology 1g SAR (W/kg) | Summed 1g SAR (W/kg) |
|---|---|---|
| 0.042 | 0.001 | 0.043 |

Note:
1. The specific RF technology RF Exposure report will be separately submitted.
2. The simultaneous transmission analysis, considering specific RF technology highest SAR is very smaller and much less than 0.001.

According to KDB 447498 D01v06, for the evaluation of simultaneous transmissions, the Summed 1g SAR is less than 1.6W/kg, and the Summed 10g SAR is less than 4.0W/kg, the RF exposure analysis concludes that the RF Exposure is FCC compliant.

------THE END------