


# FCC SAR Test Report

**APPLICANT** : Motorola Mobility LLC  
**EQUIPMENT** : Mobile Cellular Phone  
**BRAND NAME** : Motorola  
**MODEL NAME** : XT2427-1  
**FCC ID** : IHDT56AN8  
**STANDARD** : FCC 47 CFR Part 2 (2.1093)

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.



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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## **1. Statement of Compliance**

This permissive change is to enable the following features via SW only:

- **Additional** WCDMA II/V, LTE Band 2/5/12/13/17/25/26 and 5G NR n2/5/26 support SCS (Supplemental Coverage from Space).

As there is no change in HW and no new operating frequencies are added, the maximum output power is same as what reported in the original report, WCDMA II/V, LTE Band 2/5/12/13/17/25/26 and 5G NR n2/5/26 support SCS (Supplemental Coverage from Space) by software, the following compliances can be covered by the testing performed in the original filing, the change has no influence on the test results and no additional testing assessments are required.

- **RF exposure:** SAR test report (Sporton Report Number: FA432901, FA432901B and FA432901C).

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| <b>Declaration of Conformity:</b>  |
| The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.   |
| <b>Comments and Explanations:</b>  |
| 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. |



**2. Administration Data**

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.      | FCC Designation No.  | FCC Test Firm Registration No. |
|                    | 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 |



### 3. Equipment Under Test (EUT) Information

#### 3.1 General Information

| Product Feature & Specification         |  |
|---|--|
| Equipment Name                          | Mobile Cellular Phone  |
| Brand Name                              | Motorola   |
| Model Name                              | XT2427-1   |
| FCC ID                                  | IHDT56AN8  |
| Wireless Technology and Frequency Range | GSM850: 824 MHz ~ 849 MHz<br>GSM1900: 1850 MHz ~ 1910 MHz<br>WCDMA Band II: 1850 MHz ~ 1910 MHz<br>WCDMA Band IV: 1710 MHz ~ 1755 MHz<br>WCDMA Band V: 824 MHz ~ 849 MHz<br>LTE Band 2: 1850 MHz ~ 1910 MHz<br>LTE Band 4: 1710 MHz ~ 1755 MHz<br>LTE Band 5: 824 MHz ~ 849 MHz<br>LTE Band 7: 2500 MHz ~ 2570 MHz<br>LTE Band 12: 699 MHz ~ 716 MHz<br>LTE Band 13: 777 MHz ~ 787 MHz<br>LTE Band 17: 704 MHz ~ 716 MHz<br>LTE Band 25: 1850 MHz ~ 1915 MHz<br>LTE Band 26: 814 MHz ~ 849 MHz<br>LTE Band 38: 2570 MHz ~ 2620 MHz<br>LTE Band 41: 2496 MHz ~ 2690 MHz<br>LTE Band 42: 3450 MHz ~ 3550 MHz<br>LTE Band 66: 1710 MHz ~ 1780 MHz<br>5G NR n2: 1850 MHz ~ 1910 MHz<br>5G NR n5: 824 MHz ~ 849 MHz<br>5G NR n7: 2500 MHz ~ 2570 MHz<br>5G NR n26: 814 MHz ~ 849 MHz<br>5G NR n38: 2570 MHz ~ 2620 MHz<br>5G NR n41: 2496 MHz ~ 2690 MHz<br>5G NR n66: 1710 MHz ~ 1780 MHz<br>5G NR n78: 3450 MHz ~ 3550 MHz<br>WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz<br>WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz<br>WLAN 5.3GHz Band: 5260 MHz ~ 5320 MHz<br>WLAN 5.5GHz Band: 5500 MHz ~ 5720 MHz<br>WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz<br>Bluetooth: 2402 MHz ~ 2480 MHz<br>NFC: 13.56 MHz |
| Mode                                    | GSM/GPRS/EGPRS<br>RMC/AMR 12.2Kbps<br>HSDPA/HSUPA/DC-HSDPA<br>HSPA+(16QAM uplink is not supported)<br>LTE: QPSK, 16QAM, 64QAM, 256QAM<br>5G NR : CP-OFDM / DFT-s-OFDM, PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM<br>WLAN 2.4GHz 802.11b/g/n HT20/HT40<br>WLAN 5GHz 802.11a/n HT20/HT40<br>WLAN 5GHz 802.11ac VHT20/VHT40/VHT80<br>Bluetooth BR/EDR/LE<br>NFC: ASK  |
| HW Version                              | DVT2   |
| SW Version                              | V1UO35H.185  |
| GSM / (E)GPRS Transfer mode             | Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously but can automatically switch between Packet and Circuit Switched Network.   |
| EUT Stage                               | Identical Prototype  |

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