

# FCC RF Test Report

APPLICANT : Motorola Mobility LLC  
EQUIPMENT : Mobile Cellular Phone  
BRAND NAME : Motorola  
MODEL NAME : XT2205-1,XT2205-2  
FCC ID : IHDT56AE7  
STANDARD : FCC 47 CFR Part 25  
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown 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.

Jason Jia

Approved by: Jason Jia



**Sporton International Inc. (Kunshan)**

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## REVISION HISTORY

| REPORT NO.  | VERSION | DESCRIPTION             | ISSUED DATE   |
|-------------|---------|-------------------------|---------------|
| FG240834-06 | Rev. 01 | Initial issue of report | Mar. 19, 2025 |
|             |         |                         |               |
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### Conformity Assessment Condition:

The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.

### Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

# 1 General Description

## 1.1 Applicant

Motorola Mobility LLC  
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.2 Manufacturer

Motorola Mobility LLC  
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.3 Product Feature of Equipment Under Test

| Product Feature |                       |
|-----------------|-----------------------|
| Equipment       | Mobile Cellular Phone |
| Brand Name      | Motorola              |
| Model Name      | XT2205-1,XT2205-2     |
| FCC ID          | IHDT56AE7             |
| HW Version      | DVT2                  |
| SW Version      | S2ST32.71-12          |
| EUT Stage       | Identical Prototype   |

Remark: The different model name is different for market purpose.

## 1.4 Specification of Accessory

| Specification of Accessory |            |                     |            |            |
|----------------------------|------------|---------------------|------------|------------|
| AC Adapter 1               | Brand Name | Motorola(Salom)     | Model Name | MC-301     |
| AC Adapter 2               | Brand Name | Motorola(Acbel)     | Model Name | MC-301     |
| Battery                    | Brand Name | Motorola(ATL)       | Model Name | NF50       |
| USB Cable 1                | Brand Name | Motorola(Saibao)    | Model Name | SC18D13215 |
| USB Cable 2                | Brand Name | Motorola(Cabletech) | Model Name | SC18D13216 |
| USB Cable 3                | Brand Name | Motorola(Luxshare)  | Model Name | SC18D13217 |

## 1.5 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.6 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, Part 22H, Part 24E, Part 27 and Part 90R
- ♦ FCC KDB 273109 D02 Part 25 SCS and SMRS-Bands v01r01

**Remark:** All the test items were validated in accordance with the standards without any modification during the testing.

## 2 Supplemental Coverage from Space (SCS)

Under section § 25.109 (f) of the FCC rules Space and SCS earth stations providing SCS are subject to technical rules in parts 2, 22, 24 and 27 of this chapter based on the operating frequency band. Section § 25.204 (g) specifies that earth stations providing SCS pursuant to §§ 25.125 and 25.115 shall comply with the power requirements and out-of-band emission limits corresponding to device's operating in parts 22, 24, or 27 of this chapter (e.g., §§ 22.913, 24.232, 27.50), as required for their operating frequencies.

The table below identifies the SCS frequencies available for use and, for each band, the applicable FCC Part 22, 24, 27, and 90R technical requirements, the air interfaces supported by the device for SCS use and, in the final column, the reference to the test report containing the relevant test data showing compliance with the technical requirements.

The bands available for SCS and the bans supported by the devise in the scope of this report are:

| Band                                                                                                                                                                                                     | Frequency (MHz) |           | Rule Part | 3GPP Band                 | Supported | Reference test report showing compliance with 25.204(g) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|-----------|---------------------------|-----------|---------------------------------------------------------|
|                                                                                                                                                                                                          | DL              | UL        |           |                           |           |                                                         |
| 600MHz                                                                                                                                                                                                   | 617-652         | 663-698   | 27        | 71/n71                    | Yes       | FG240834B                                               |
| 700MHz                                                                                                                                                                                                   | 729-746         | 699-716   | 27        | 12/n12<br>17              | Yes       | FG240834C<br>FG240834D                                  |
|                                                                                                                                                                                                          | 746-756         | 777-787   | 27        | 13                        | Yes       | FG240834K                                               |
|                                                                                                                                                                                                          | 758-768         | 788-798   | 90R       | 14/n14                    | Yes       | FG240834N                                               |
|                                                                                                                                                                                                          | 805-806         |           |           |                           | No        |                                                         |
| 800MHz                                                                                                                                                                                                   | 869-894         | 824-849   | 22H       | WCDMA 5<br>5/n5<br>26/n26 | Yes       | FG240834A<br>FG240834B                                  |
| Broadband PCS                                                                                                                                                                                            | 1930-1995       | 1850-1915 | 24E       | WCDMA 2<br>2/n2<br>25/n25 | Yes       | FG240834J                                               |
| <b>Note:</b> Test reports are for reference model FCC ID IHDT56AE7. The data is in the test report FG240834A (3G), FG240834B & FG240834C & FG240834D (LTE) and FG240834J & FG240834N & FG240834K (5GNR). |                 |           |           |                           |           |                                                         |

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