

## MPE REPORT

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Report No.: SRTC2023-9004(F)-23031502(I)

Product Name: Smart Phone

Applicant: Sharp Corporation

Manufacturer: Sharp Corporation

Specification: KDB 447498 D04

FCC ID: APYHRO00324

The State Radio\_monitoring\_center Testing Center (SRTC)  
15th Building, No.30 Shixing Street, Shijingshan District, Beijing, P.R.China

Tel: 86-10-57996183 Fax: 86-10-57996388

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## 1 GENERAL INFORMATION

### 1.1 Notes of the test report

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### 1.2 Information about the testing laboratory

|                      |   |
|----------------------|---|
| Company:             | The State Radio_monitoring_center Testing Center (SRTC)   |
| Test Site 1:         | 15th Building, No.30 Shixing Street, Shijingshan District |
| Test Site 2:         | No.80, Zhaojiachang, Beizang, Daxing District             |
| City:                | Beijing   |
| Country or Region:   | P.R.China   |
| Contacted person:    | Liu Jia   |
| Tel:                 | +86 10 57996183   |
| Fax:                 | +86 10 57996388   |
| Email:               | liujiaf@srtc.org.cn                                       |
| Registration number: | 239125  |

### 1.3 Applicant's details

|          |   |
|----------|---|
| Company: | Sharp Corporation   |
| Address: | 1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan |

### 1.4 Manufacturer's details

|          |   |
|----------|---|
| Company: | Sharp Corporation   |
| Address: | 1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan |

### 1.5 Test environment

|   |                  |              |
|---|------------------|--------------|
| Date of Receipt of test sample at SRTC: | 2023.3.24        |              |
| Testing Start Date:                     | 2023.3.24        |              |
| Testing End Date:                       | 2023.4.3         |              |
| Environmental Data:                     | Temperature (°C) | Humidity (%) |
| Ambient                                 | 23               | 35           |
| Normal Supply Voltage (V d.c.):         | 4.0              |              |

## 2 DESCRIPTION OF THE DEVICE UNDER TEST

### 2.1 Final Equipment Build Status

|                            |   |
|----------------------------|---|
| Frequency Range            | 7737.6-8236.8MHz  |
| Modulation                 | BPM/BPSK  |
| Antenna Type               | Integral (permanent fixed antenna, which may be built-in, designed as an indispensable part of EUT) |
| Antenna Gain               | 1.0dBi  |
| Power Supply               | Battery   |
| Rated Power Supply Voltage | 4V  |
| HW Version                 | PVT   |
| SW Version                 | A301G   |

## 3 REFERENCE SPECIFICATION

| Specification | Version | Title   |
|---------------|---------|---|
| 447498 D04    | 2021    | RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices |

#### 4 RESULT SUMMARY

| No. | Test case       | FCC reference     |
|-----|-----------------|-------------------|
| 1   | MPE Calculation | FCC KDB447498 D04 |

|  |   |
|--|---|
| This Test Report Is Issued by:<br>Mr. Peng Zhen<br> | Checked by:<br>Mr. Li Bin<br> |
| Tested by:<br>Ms. Li Jin<br>                        | Issued date:<br><br>20230508  |

## 5 TEST RESULTS

### 5.1 Output Power Test Result

| Test Frequency (MHz) | Measured EIRP (dBm) | Limit (dBm) | Margin (dB) | Verdict |
|----------------------|---------------------|-------------|-------------|---------|
| 7987.2               | -49.18              | -41.30      | 7.88        | Pass    |

### 5.2 Calculation result

According to KDB447498 D04, a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

| Test Frequency (MHz) | Measured EIRP (dBm) | Measured EIRP (mW) | Limit (mW) | Verdict |
|----------------------|---------------------|--------------------|------------|---------|
| 7987.2               | -49.18              | 0.0000121          | 1          | Pass    |