

RF Exposure Evaluation Report

Report Reference No......: **MTEB24020104 -H**

FCC ID.....: **2BE50-9596**

Compiled by
(position+printed name+signature)..: File administrators Alisa Luo



Supervised by
(position+printed name+signature)..: Test Engineer Sunny Deng



Approved by
(position+printed name+signature)..: Manager Yvette Zhou



Date of issue.....: February 27,2024

Representative Laboratory Name .: **Shenzhen Most Technology Service Co., Ltd.**

Address: No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park,
Nanshan, Shenzhen, Guangdong, China.

Applicant's name.....: **Hangzhou Chipjet Technology Co., Ltd.**

Address: 4th Floor, Building No.1 ,No. 1180, Bin'an Road, Binjiang District,
Hangzhou, Zhejiang, China

Test specification/ Standard: **47 CFR Part 1.1307**
47 CFR Part 2.1093

TRF Originator.....: Shenzhen Most Technology Service Co., Ltd.

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Test item description: Smart Update Device

Trade Mark: N/A

Model/Type reference.....: Chipstation Home-XXX

Listed Models: N/A

Modulation Type: GFSK

Operation Frequency.....: From 2402MHz to 2480MHz

Hardware Version.....: V1.9

Software Version: V1.9

Rating: DC 5V

Result.....: PASS

TEST REPORT

Equipment under Test : Smart Update Device

Model /Type : Chipstation Home-XXX

Listed Models : N/A

Remark : N/A

Applicant : Hangzhou Chipjet Technology Co., Ltd.

Address : 4th Floor, Building No.1 ,No. 1180, Bin'an Road, Binjiang District, Hangzhou, Zhejiang, China

Manufacturer : Hangzhou Chipjet Technology Co., Ltd.

Address : 4th Floor, Building No.1 ,No. 1180, Bin'an Road, Binjiang District, Hangzhou, Zhejiang, China

| | |
|---------------------|-------------|
| Test Result: | PASS |
|---------------------|-------------|

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

1. Revision History

| Revision | Issue Date | Revisions | Revised By |
|----------|------------|---------------|------------|
| 00 | 2024-02-27 | Initial Issue | Alisa Luo |
| | | | |
| | | | |

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.1.2 Limits

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:

$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \left[\sqrt{f(\text{GHz})} \right]$$
$$\leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

2.1.3 EUT RF Exposure

Measurement Data

BLE

| GFSK | | | |
|------------------|-------------------------|-------------------------|-----------------------|
| Test channel | Peak Output Power (dBm) | Tune up tolerance (dBm) | Maximum tune-up Power |
| | | | (dBm) |
| Lowest(2402MHz) | 0.434 | 0.434 ± 1 | 1.434 |
| Middle(2440MHz) | 1.514 | 1.514 ± 1 | 2.514 |
| Highest(2480MHz) | 2.241 | 2.241 ± 1 | 3.241 |

| Worst case: GFSK | | | | | | |
|------------------|---|-----------------------|------|------------------|---------------------|--------------------|
| Channel | Maximum Peak Conducted Output Power (dBm) | Maximum tune-up Power | | Calculated value | Exclusion threshold | SAR Test Exclusion |
| | | (dBm) | (mW) | | | |
| Highest(2480MHz) | 2.241 | 3.241 | 2.11 | 0.66 | 3.0 | Yes |

.....THE END OF REPORT.....