

## RF Exposure Evaluation Report

**Report Reference No.**.....: **MTEB22120286-H**

**FCC ID**.....: **2A9T9-674SSP281WH**

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**.....: **December 27,2022**

**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**.....: **Hebei Renqin Trading Co.,Ltd**

**Address** .....: No.42-3-4,Dishang,Phrase iii,International City,576 Huaizhong  
Road,Yuhua District,Shijiazhuang City,Hebei Province

**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 Scale

**Trade Mark** .....: N/A

**Manufacturer** .....: Shahe City Zhengfang Armored Glass Production Factory

**Model/Type reference**.....: 674SSP281WH

**Listed Models** .....: 671SSP281BL/672SS281NA/673SS281GR/675SSP281GN/676  
SSP281BE/677SSP281RE/2021T

**Modulation Type** .....: GFSK

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

**Hardware Version**.....: N/A

**Software Version** .....: App Version # is 1.0.32

**Rating** .....: DC 5V by USB Port

DC 3V by Batteries

**Result**.....: PASS

**TEST REPORT**

Equipment under Test : Smart Scale

Model /Type : 674SSP281WH

Listed Models : 671SSP281BL/672SS281NA/673SS281GR/675SSP281GN/676S  
SP281BE/677SSP281RE/2021T

Remark : Only the appearance is different, everything else is the same.

Applicant : Hebei Renqin Trading Co.,Ltd

Address : No.42-3-4,Dishang,Phrase iii,International City,576 Huaizhong  
Road,Yuhua District,Shijiazhuang City,Hebei Province

Manufacturer : Shahe City Zhengfang Armored Glass Production Factory

Address : Xifeng Industrial Zone,Shahe City, Hebei Province

<b>Test Result:</b>	<b>PASS</b>
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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	2022-12-27	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  $\leq 50$  mm are determined by:

$$\left[ \frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \left[ \sqrt{f(\text{GHz})} \right]$$
  
 $\leq 3.0$  for 1-g SAR and  $\leq 7.5$  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 calculation<sup>17</sup>

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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)	-1.177	$-1.177 \pm 1$	-0.177
Middle(2440MHz)	-1.287	$-1.287 \pm 1$	-0.287
Highest(2480MHz)	-1.532	$-1.532 \pm 1$	-0.532

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Middle(2402MHz)	-1.177	-0.177	0.96	0.30	3.0	Yes

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