

RF Exposure Evaluation Report

Report Reference No..... MTEB22120286-H

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

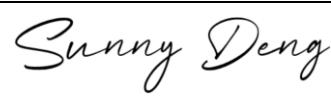
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Date of issue..... December 27,2022

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

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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

Test Result:	PASS
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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 ≤ 50 mm are determined by:

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

$f(\text{GHz})$ 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)	-1.177	-1.177 ± 1	-0.177
Middle(2440MHz)	-1.287	-1.287 ± 1	-0.287
Highest(2480MHz)	-1.532	-1.532 ± 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.....