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TEST REPORT

Report No. :	CQASZ20210400416E-02
Applicant:	REESTAR INTERNATIONAL LIMITED
Address of Applicant:	FLAT/RM 16 18/F SEAPOWER TOWER CONCORDIA PLAZA 1 SCIENCE MUSEUM ROAD TSIM SHA TSUI KL
Equipment Under Test (EUT):	
EUT Name:	Body Composition Scale
Model No.:	ES-32MD
Test Model No.:	ES-32MD
Brand Name:	RENPHO
FCC ID:	2A26P-ES32MD
Standards:	47 CFR Part 1.1307 47 CFR Part 1.1310 KDB447498D01 General RF Exposure Guidance v06
Date of Receipt:	2025-03-21
Date of Test:	2025-03-21 to 2025-04-02
Date of Issue:	2025-4-6
Test Result :	**PASS**

Tested By: lewis zhou
(Lewis Zhou)

Reviewed By: Timo Lei
(Timo Lei)

Approved By: Jack
(Jack Ai)

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD. APPROVED

1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20210400416E-02	Rev.01	Initial report	2025-4-6

2. Contents

3. General Information

4. Client Information

Applicant:	REESTAR INTERNATIONAL LIMITED
Address of Applicant:	FLAT/RM 16 18/F SEAPOWER TOWER CONCORDIA PLAZA 1 SCIENCE MUSEUM ROAD TSIM SHA TSUI KL
Manufacturer:	Shenzhen Ruiyi Business Technology Co., Ltd.
Address of Manufacturer:	No. 810-C063, 8th Floor, Xiangbin International Financial Centre, No.18, West Free Trade Street, China Special Economic Zone, Qianhai Bay, Shenzhen, Guangdong Province, 518000 China

5. General Description of EUT

Product Name:	Body Composition Scale
Model No.:	ES-32MD
Test Model No.:	ES-32MD
Trade Mark:	RENPHO
Software Version:	V1.0
Hardware Version:	V1.1
Modulation Type:	GFSK
Transfer Rate:	1Mbps
Number of Channel:	40
Antenna Type:	PCB antenna
Antenna Gain:	1.5dBi
Product Type:	☐ Mobile ☒ Portable
Power Supply:	Dry battery power supply 2*AA DC 3V

RF Exposure Evaluation

RF Exposure Compliance Requirement

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.

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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(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

EUT RF Exposure

1) For BLE

Measurement Data

Worst case: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-1.12	-1.0±1	0	1.000
Middle(2440MHz)	-1.66	-1.5±1	-0.5	0.891
Highest(2480MHz)	-1.91	-1.5±1	-0.5	0.891

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.000	0.310	3.0
Middle (2440MHz)	0.891	0.278	
Highest (2480MHz)	0.891	0.281	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20210400416E-01