SAR Exemption Evaluation

Applicant	Hangzhou Ruze e-commerce Co., Ltd
FCC ID	2A8B6W00
Product	Smart Bracelet
Brand	PitPat
Model	W00
Report No.	R2206A0550-S1V1
Issue Date	September 2, 2022

Wei Fangying

Prepared by: Wei Fangying

Fan Guangchang

Approved by: Fan Guangchang

TA Technology (Shanghai) Co., Ltd.

Building 3, No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China
TEL: +86-021-50791141/2/3
FAX: +86-021-50791141/2/3-8000

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Version	Revision description	Issue Date
Rev.0	Initial issue of report.	August 26, 2022
Rev.1	Update information.	September 2, 2022
Note: This revised report (Report No. R2206A0550-S1V1) supersedes and replaces the previously issued report (Report No. R2206A0550-S1). Please discard or destroy the previously issued report and dispose of it accordingly.		

1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein .Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2 Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

1.3 Testing Location

Company:	TA Technology (Shanghai) Co., Ltd.
Address:	Building 3, No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China
City:	Shanghai
Post code:	201201
Country:	P. R. China
Contact:	Fan Guangchang
Telephone:	+86-021-50791141/2/3
Fax:	+86-021-50791141/2/3-8000
Website:	http://www.ta-shanghai.com
E-mail:	fanguangchang@ta-shanghai.com

1.4 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25 °C
Relative humidity	Min. = 30%, Max. = 70%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

2 Description of Equipment under Test

Client Information

Applicant	Hangzhou Ruze e-commerce Co., Ltd
Applicant address	Room 801-3, building 5, information port phase 6,NO.666, Jianshe 2nd Road, HANGZHOU, China
Manufacturer	Hangzhou Ruze e-commerce Co., Ltd
Manufacturer address	Room 801-3, building 5, information port phase 6,NO.666, Jianshe 2nd Road, HANGZHOU, China

General Technologies

Application Purpose	Original Grant
EUT Stage	Identical Prototype
Model	W00
Lab internal SN	R2206A0550/S01
Hardware Version	XM-M3-8810-V1_2
Software Version	V14
Antenna Type	Internal Antenna
Date of Testing	July 21, 2022 ~ July 22, 2022
Date of Sample Received	June 21, 2022
Note: The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.	

Wireless Technology and Frequency Range

Wireless Technology		Modulation	Operating mode	Tx (MHz)
Bluetooth	2.4G	Version 5.0 LE		2402 ~2480

3 Test Specification, Methods and Procedures

Reference Standards

KDB 447498 D01 General RF Exposure Guidance v06

4 Max Output Power

Bluetooth (Low Energy)	Conducted Power(dBm)		
	Channel/Frequency(MHz)		
	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz
GFSK	-2.22	-2.33	-2.61

5 Standalone SAR test exclusion considerations

Per KDB 447498 D01, 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

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Band	Configuration	Frequency (MHz)	Distance (mm)	MAX Power (dBm)	Ratio	SAR test exclusion thresholds	Evaluation
Bluetooth	Extremity SAR	2480	5	-2.22	0.19	7.5	No

Note: Based on SAR test exclusion, all values meet the SAR test exclusion thresholds and are exempt from routine RF exposure evaluation.

******END OF REPORT ******

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.