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检测
TESTING
CNAS L5785

TEST REPORT

Report No. : CQASZ20260100048E-03

Applicant: Ice Universal Limited

Address of Applicant: Unit 1810, 18th Floor, Star House, 3 Salisbury Road, Tsim ShaTsui, Kowloon, Hong Kong

Equipment Under Test (EUT):

EUT Name: Smart watch

Model No.: ICE SMART JUNIOR FIND HUB, ICE SMART 2.0 FIND HUB,
ICE smart junior Find Hub, ICE smart 2.0 Find Hub, ICE JR FH,
ICE SMART 2.0 FH, ICE JUNIOR FH, ICE smart 2.0 FH

Test Model No.: ICE SMART JUNIOR FIND HUB

Brand Name: ICE-WATCH

FCC ID: 2BGGV-ICEJRFH
47 CFR Part 1.1307

Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06

Date of Receipt: 2026-01-06

Date of Test: 2026-01-06 to 2026-01-21

Date of Issue: 2026-03-18

Test Result : **PASS**

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

Tested By: Lewis Zhou
(Lewis Zhou)

Reviewed By: Timo Lei
(Timo Lei)

Approved By: Jack Ai
(Jack Ai)



1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260100048E-03	Rev.01	Initial report	2026-03-18

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3. General Information

4. Client Information

Applicant:	Ice Universal Limited
Address of Applicant:	Unit 1810,18th Floor, Star House, 3 Salisbury Road, Tsim ShaTsui, Kowloon, Hong Kong
Manufacturer:	Ice Universal Limited
Address of Manufacturer:	Unit 1810,18th Floor, Star House, 3 Salisbury Road, Tsim ShaTsui, Kowloon, Hong Kong
Factory:	Ice Universal Limited
Address of Factory:	Unit 1810,18th Floor, Star House, 3 Salisbury Road, Tsim ShaTsui, Kowloon, Hong Kong

5. General Description of EUT

Product Name:	Smart watch
Model No.:	ICE SMART JUNIOR FIND HUB, ICE SMART 2.0 FIND HUB, ICE smart junior Find Hub, ICE smart 2.0 Find Hub, ICE JR FH, ICE SMART 2.0 FH, ICE JUNIOR FH, ICE smart 2.0 FH
Test Model No.:	ICE SMART JUNIOR FIND HUB
Trade Mark:	ICE-WATCH
Software Version:	911A-T9372-100
Hardware Version:	T9372V1.0
Power Supply:	Li-ion battery: DC 3.8V 200mAh, Charge by DC 5V for adapter
Simultaneous Transmission	☒ Simultaneous TX is supported and evaluated in this report. ☐ Simultaneous TX is not supported.

6. General Description of BLE

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK
Transfer Rate:	1Mbps/2Mbps
Number of Channel:	40
Module model:	RTL8773EWE-CG
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	Internal antenna
Antenna Gain:	-7.13dBi

7. General Description of BLE

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK
Transfer Rate:	1Mbps/2Mbps
Number of Channel:	40

Module model:	Ap2t21f40
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	Chip antenna
Antenna Gain:	4.3dBi

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:

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

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(Ap2t21f40)

Measurement Data

Worst case: GFSK					
Test Channel	Peak Output Power	EIRP	Tune up tolerance (dBm)	Maximum tune-up Power	
	(dBm)	(dBm)		(dBm)	(mW)
Lowest(2402MHz)	1.50	5.8	6.0±1	7	5.012
Middle(2440MHz)	2.22	6.52	7.0±1	8	6.310
Highest(2480MHz)	1.51	5.81	6.0±1	7	5.012

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	5.012	1.554	3.0
Middle (2440MHz)	6.310	1.972	
Highest (2480MHz)	5.012	1.577	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260100048E-01

2) For BLE(RTL8773EWE-CG)

Measurement Data

Worst case: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	7.65	7.5±1	8.5	7.079
Middle(2440MHz)	8.51	8.5±1	9.5	8.913
Highest(2480MHz)	7.79	7.5±1	8.5	7.079

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	7.079	2.194	3.0
Middle (2440MHz)	8.913	2.785	
Highest (2480MHz)	7.079	2.227	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260100048E-02

Simultaneous transmission:

SAR Exclusion Threshold=

$$\frac{[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$$

BLE(RTL8773EWE-CG)+BLE(Ap2t21f40):

$$=[(6.31\text{mW}/5\text{mm}) \cdot (\sqrt{2.44\text{GHz}/7.5})]/1.6\text{W/kg} + [(8.913\text{mW}/5\text{mm}/7.5) \cdot (\sqrt{2.44\text{GHz}/7.5})]/1.6\text{W/kg}$$

$$=0.4 \leq 1$$