

TEST REPORT

Report No. : CQASZ20260801797E-02
Applicant: Dongguan Huikang Intelligent Technology Co., Ltd.
Address of Applicant: Room 101, No. 3, Humen Nanxin Road, Humen Town, Dongguan City,
Guangdong Province
Equipment Under Test (EUT):
EUT Name: smart ring
Model No.: V80, V90, V91, V100, V200, V220, V280, V300, V320, V360, V60, E80, E88,
E89, E90
Test Model No.: V80
Brand Name: N/A
FCC ID: 2BPUV-V80
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2026-08-17
Date of Test: 2026-08-17 to 2026-08-24
Date of Issue: 2026-9-8
Test Result : PASS

Tested By: Azir Wang
(Azir Wang)

Reviewed By: Timo Lei
(Timo Lei)

Approved By: Jack Ai
(Jack Ai)



1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260801797E-02	Rev.01	Initial report	2026-9-8

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3. General Information

4. Client Information

Applicant:	Dongguan Huikang Intelligent Technology Co., Ltd.
Address of Applicant:	Room 101, No. 3, Humen Nanxin Road, Humen Town, Dongguan City, Guangdong Province
Manufacturer:	Dongguan Huikang Intelligent Technology Co., Ltd.
Address of Manufacturer:	Room 101, No. 3, Humen Nanxin Road, Humen Town, Dongguan City, Guangdong Province
Factory:	Dongguan Huikang Intelligent Technology Co., Ltd.
Address of Factory:	Room 101, No. 3, Humen Nanxin Road, Humen Town, Dongguan City, Guangdong Province

5. General Description of EUT

Product Name:	smart ring
Model No.:	V80,V90,V91,V100, V200,V220,V280,V300,V320,V360,V60,E80,E88,E89, E90
Test Model No.:	V80
Trade Mark:	N/A
Software Version:	08
Hardware Version:	V1.4
Modulation Type:	GFSK
Transfer Rate:	1Mbps
Number of Channel:	40
Antenna Type:	Chip antenna
Antenna Gain:	2.28dBi
Product Type:	☐ Mobile ☒ Portable
Power Supply:	Charging box: Li-ion battery: DC 3.8V 400mAh, Charge by DC 5V for adapter
	Ring: Li-ion battery: DC 3.7V 16mAh, Charge by DC 3.7V for Charging box

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

Measurement Data

Worst case: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-3.17	-3.0±1	-2.0	0.631
Middle(2440MHz)	-2.72	-2.5±1	-1.5	0.708
Highest(2480MHz)	-2.00	-2.0±1	-1.0	0.794

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	0.631	0.196	3.0
Middle (2440MHz)	0.708	0.221	
Highest (2480MHz)	0.794	0.250	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260801797E-01

*** END OF REPORT ***