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RF Exposure Evaluation

For

SHEN ZHEN KALIHO TECHNOLOGY CO.,LTD

Smart watch

Test Model: J12

Prepared for : SHEN ZHEN KALIHO TECHNOLOGY CO.,LTD

Address : Rm 07-08, 23Fl, Chuangjian Bdg, No 6023, Shennan Rd, FuTian

District, Shenzhen, China.

Prepared by : Guangzhou LCS Compliance Testing Laboratory Ltd.

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Date of receipt of test sample : September 03, 2025

Number of tested samples : 2

Sample No. : C250901010-1, C250901010-2

Serial number : Prototype

Date of Test : September 03, 2025 ~ September 18, 2025

Date of Report : September 19, 2025

FCC ID: 2BOU4J12

Report No.: LCSC08295013EC

RF Exposure Evaluation

Report Reference No.: LCSC08295013EC

Date of Issue.....: September 19, 2025

Testing Laboratory Name.....: Guangzhou LCS Compliance Testing Laboratory Ltd.

Address......: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou,

Guangdong, China

Testing Location/ Procedure.....: Full application of Harmonised standards ■

Partial application of Harmonised standards

Applicant's Name.....: SHEN ZHEN KALIHO TECHNOLOGY CO.,LTD

Address...... Bdg, No 6023, Shennan Rd, FuTian

District, Shenzhen, China.

Test Specification

Standard...... : FCC KDB publication 447498 D01 General RF Exposure Guidance

v06

FCC CFR 47 part1 1.1310 FCC CFR 47 part2 2.1093

Test Report Form No.....: TRF-4-E-215 A/0

TRF Originator.....: Guangzhou LCS Compliance Testing Laboratory Ltd.

Master TRF.....: Dated 2011-03

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EUT Description.....: Smart watch

Trade Mark.....: N/A
Test Model.....: J12

Ratings.....: Input: DC 5V, 1.5A

DC 3.8V by Rechargeable Li-ion Battery, 300mAh

Result: PASS

Compiled by: Supervised by: Approved by:

Li ferny De.

Justin Zhu/ Technique Director

Gavin Liang/ Manager

Lifeng Le/ File administrators

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RF Exposure Evaluation

Test Report No. : LCSC08295013EC September 19, 2025

Date of issue

Test Model..... : J12 EUT..... : Smart watch : SHEN ZHEN KALIHO TECHNOLOGY CO.,LTD Applicant..... Address..... : Rm 07-08, 23Fl, Chuangjian Bdg, No 6023, Shennan Rd, FuTian District, Shenzhen, China. Telephone..... Fax..... : / : SHEN ZHEN KALIHO TECHNOLOGY CO.,LTD Manufacturer..... Address..... : Rm 07-08, 23Fl, Chuangjian Bdg, No 6023, Shennan Rd, FuTian District, Shenzhen, China. Telephone..... Fax..... Factory..... : SHEN ZHEN KALIHO TECHNOLOGY CO.,LTD Address..... : Rm 07-08, 23Fl, Chuangjian Bdg, No 6023, Shennan Rd, FuTian District, Shenzhen, China. Telephone..... : / Fax.....

Test Result	PASS
100011000	

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.

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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	September 19, 2025	Initial Issue	

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1. Product Information

Product name : Smart watch

Test Model : J12

Ratings : Input: DC 5V, 1.5A

DC 3.8V by Rechargeable Li-ion Battery, 300mAh

Hardware Version : Z1650V2.0A

Software Version : V103

Bluetooth : 2402MHz ~ 2480MHz

Channel Number : 79 channels for Bluetooth V5.4 (DSS)

40 channels for Bluetooth V5.4 (DTS)

Channel Spacing : 1MHz for Bluetooth V5.4(DSS)

2MHz for Bluetooth V5.4(DTS)

Modulation Type : GFSK , π/4-DQPSK, 8-DPSK for Bluetooth V5.4 (DSS)

GFSK for Bluetooth V5.4 (DTS)

Bluetooth Version : V5.4

Antenna Type : Internal Antenna

Antenna Gain : -2.7dBi

Exposure category : General population/uncontrolled environment

EUT Type : Production Unit
Device Type : Portable Device

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

2. Evaluation method and Limit

According to KDB447498 D01 General RF Exposure Guidance v06 Section 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 Test Exclusion Threshold condition, listed below, is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.22 The minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander (see 5) of section 4.1). To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, typically in the SAR measurement or SAR analysis report, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting is required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for the SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops & tablets etc."

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] $\cdot [\sqrt{f} (GHz)] \le 3.0$ 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 calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

 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 according to f) in section 4.1 is applied to
 determine SAR test exclusion.

When one of the following test exclusion conditions is satisfied for all combinations of simultaneous transmission configurations, further equipment approval is not required to incorporate transmitter modules in host devices that operate in the mixed mobile and portable host platform exposure conditions. The grantee is responsible for documenting this according to Class I permissive change requirements. Antennas that qualify for standalone SAR test exclusion must apply the estimated standalone SAR to determine simultaneous transmission test exclusion.

a) The [\sum of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + [\sum of MPE ratios] is \leq 1.0.

b)The SAR to peak location separation ratios of all simultaneously transmitting antenna pairs operating in portable device exposure conditions are all ≤ 0.04, and the [∑ of MPE ratios] is ≤ 1.0.

3. Refer Evaluation Method

<u>ANSI C95.1–1999:</u> IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

FCC KDB publication 447498 D01 General RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

FCC CFR 47 part1 1.1310: Radiofrequency radiation exposure limits.

FCC CFR 47 part2 2.1093: Radiofrequency radiation exposure evaluation: portable devices

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4. Conducted Power Results

<BT>

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
	0 2402		-0.19
GFSK	39	2441	0.98
	78	2480	0.70
	0	2402	1.34
π/4DQPSK	39	2441	1.18
	78	2480	0.60
	0	2402	0.09
8DPSK	39	2441	1.44
	78	2480	0.77

< BLE 1M >

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
	0	2402	1.44
GFSK	19	2440	0.43
	39	2480	-0.47

< BLE 2M >

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
	0	2402	1.32
GFSK	19	2440	0.28
	39	2480	-0.66

5. Manufacturing Tolerance

<BT>

- D17						
GFSK (Peak)						
Channel	Channel 0	Channel 39	Channel 78			
Target (dBm)	0	0	0			
Tolerance ±(dB)	1.0	1.0	1.0			
	π/4DQPS	K (Peak)				
Channel	Channel 0 Channel 39 Chan					
Target (dBm)	1.0	1.0	0			
Tolerance ±(dB)	1.0	1.0	1.0			
	8DPSK (Peak)					
Channel	Channel 0	Channel 39	Channel 78			
Target (dBm)	0	1.0	0			
Tolerance ±(dB)	1.0	1.0	1.0			

< BLE 1M >

GFSK (Peak)						
Channel Channel 0 Channel 19 Channel 39						
Target (dBm) 1.0 0 0						
Tolerance ±(dB)	1.0	1.0	1.0			

<BLE 2M >

GFSK (Peak)						
Channel Channel 0 Channel 19 Channel 39						
Target (dBm) 1.0 0 0						
Tolerance ±(dB) 1.0 1.0 1.0						

6. Evaluation Results

6.1 Standalone Evaluation

Ran	d/Mode	I	f Antenna Distance	RF output power		SAR Test Exclusion	SAR Test
Dan	u/IVIOUE	(GHz)	(mm)	dBm	mW	Threshold	Exclusion
	GFSK	2.480	5	1.0	1.2589	0.3965< 3.0	Yes
ВТ	π/4DQPSK	2.441	5	2.0	1.5849	0.4952< 3.0	Yes
	8DPSK	2.441	5	2.0	1.5849	0.4952< 3.0	Yes
BLE 1M	GFSK	2.402	5	2.0	1.5849	0.4913< 3.0	Yes
BLE 2M	GFSK	2.402	5	2.0	1.5849	0.4913< 3.0	Yes

Remark:

- 1. Output power including tune up tolerance;
- 2. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to f) in section
- 4.1 is applied to determine SAR test exclusion.

6.2 Simultaneous Transmission for SAR Exclusion

The sample support one BT modular. No need consider simultaneous transmission.

7. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

8. Description of Test Facility

CNAS Registration Number is L11555 A2LA Certificate Number: 5099.01 FCC Designation Number is CN1379 Test Firm Registration Number: 729882 Page 10 of 10 FCC ID: 2BOU4J12 Report No.: LCSC08295013EC

9. Measurement Uncertainty

BT/BLE:

Test Item	Frequency Range	Uncertainty	Note
Output power	: 1GHz-40GHz	±0.57dB	(1)

^{(1).} This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

.....THE END OF REPORT.....