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RF Exposure

Applicant	:	Shenzhen Jinruihuan Technology Co., Ltd
Address	:	Room 401, Building H, No. 23 Huohuiluo Road, Zhangkengjing Community, Guanhu Street, Longhua District, Shenzhen
Product Name	:	Smart Watch
Brand Mark	:	N/A
Model	:	S68
FCC ID	:	2BKDL-S68
Report Number	:	BLA-EMC-202511-A10203
Date of Receipt	:	Nov. 28, 2025
Date of Test	:	Nov. 28, 2025 to Dec. 10, 2025
Test Standard	:	47 CFR Part 15, Part1.1307 47 CFR Part 15, Part2.1093 KDB447498D04 General RF Exposure Guidance v01
Test Result	:	Pass

Compiled by: Hugh **Review by:** Xavier **Approved by:** Blue Zheng

Issued Date: Dec. 10, 2025

BlueAsia of Technical Services(Shenzhen) Co.,Ltd.

Address: Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China

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Table of Contents

1 General information 4

1.1 General information 4

1.2 General description of EUT 4

2 Laboratory and accreditations 5

3 RF Exposure Compliance Requirement 6

3.1 Standard Requirement 6

3.2 Limits 6

3.3 Result 7

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Revise Record

Version No.	Date	Description
01	Dec. 10, 2025	Original

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1 General information

1.1 General information

Applicant	Shenzhen Jinruihuan Technology Co., Ltd
Address	Room 401, Building H, No. 23 Huohuiluo Road, Zhangkengjing Community, Guanhu Street, Longhua District, Shenzhen
Manufacturer	Shenzhen Jinruihuan Technology Co., Ltd
Address	Room 401, Building H, No. 23 Huohuiluo Road, Zhangkengjing Community, Guanhu Street, Longhua District, Shenzhen
Factory	Shenzhen Jinruihuan Technology Co., Ltd
Address	Room 401, Building H, No. 23 Huohuiluo Road, Zhangkengjing Community, Guanhu Street, Longhua District, Shenzhen

1.2 General description of EUT

Product name	Smart Watch
Model no.	S68
Series model	N/A
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Rate data:	1Mbps
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	Internal antenna
Antenna Gain:	0dBi(Provided by customer)
Power supply or adapter information	DC3.7V by battery
Hardware Version	M0Y.MA1003.03
Software Version	2.0.1
Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.	

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2 Laboratory and accreditations

The test facility is recognized, certified, or accredited by the following organizations:

Company name:	BlueAsia of Technical Services(Shenzhen) Co., Ltd.
Address:	Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China
A2LA Cert. No.:	5071.01
FCC Registration Number:	923526
FCC Designation No.:	CN1252
ISED CAB identifier No.:	CN0028
IC Registration Number:	24243
CNAS accredited No.:	L9788
Telephone:	+86-755-28682673
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3 RF Exposure Compliance Requirement

3.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

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.

3.2 Limits

$$P_{\text{th}}\,(\text{mW}) = \begin{cases} ERP_{20\,\text{cm}}(d/20\,\text{cm})^{x} & d \le 20\,\text{cm} \\ ERP_{20\,\text{cm}} & 20\,\text{cm} < d \le 40\,\text{cm} \end{cases} \qquad \text{(B.2)}$$

where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\,\text{cm}}\sqrt{f}}\right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20\text{cm}}$ is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)										
	5	10	15	20	25	30	35	40	45	50
300	39	65	88	110	129	148	166	184	201	217
450	22	44	67	89	112	135	158	180	203	226
835	9	25	44	66	90	116	145	175	207	240
1900	3	12	26	44	66	92	122	157	195	236
2450	3	10	22	38	59	83	111	143	179	219
3600	2	8	18	32	49	71	96	125	158	195
5800	1	6	14	25	40	58	80	106	136	169

$$P_{\text{th}}\,(\text{mW}) = ERP_{20\,\text{cm}}\,(\text{mW}) = \begin{cases} 2040f & 0.3\,\text{GHz} \le f < 1.5\,\text{GHz} \\ 3060 & 1.5\,\text{GHz} \le f \le 6\,\text{GHz} \end{cases} \qquad \text{(B.1)}$$

3.3 Result

EIRP = pt x gt = $(E X d)^2/30$

Where:

pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m,

d = measurement distance in meters (m)

Spot = $(EXd)^2/30$ x gt

Separation distance= 0.5cm

Ant gain = 0dBi

For BLE(Worst):

Max Output power = 0.135dBm @ 2480MHz

EIRP = 0.135dBm + 0dBi=0.135dBm

ERP = 0.135-2.15= 0.629mW< 2.717mW

Comply with RF exposure exemption limit.

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----END OF REPORT----

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