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RF Exposure Evaluation Report

Product : R8 Smart Watch

Trade mark : SKG

Model/Type reference : S9246HC

Serial Number : N/A

Report Number : EED32P80252103 FCC ID : 2AYVT-S9246HC

Date of Issue : Apr. 20, 2023

Test Standards : 47 CFR Part 1.1307

47 CFR Part 1.1310 47 CFR Part 2.1091 47 CFR Part 2.1093

447498 D04 Interim General RF

Exposure Guidance v01

Test result : PASS

Prepared for:

SKG Health Technologies Co., Ltd.

23A Floor, Building 3, Zhongke R&D Park, No.009, Gaoxin South 1st Road, High-tech Zone Community, Yuehai street, Nanshan District, Shenzhen City, Guangdong Province, P.R.China

Prepared by:

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Date:

Apr. 20, 2023

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Version No.		Date		Description	on	
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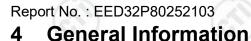
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4.1 Client Information

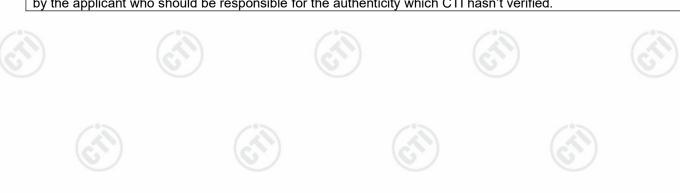
Applicant:	SKG Health Technologies Co., Ltd.
Address of Applicant:	23A Floor, Building 3, Zhongke R&D Park, No.009, Gaoxin South 1st Road, Hightech Zone Community, Yuehai street, Nanshan District, Shenzhen City, Guangdong Province, P.R.China
Manufacturer:	SKG Health Technologies Co., Ltd.
Address of Manufacturer:	23A Floor, Building 3, Zhongke R&D Park, No.009, Gaoxin South 1st Road, Hightech Zone Community, Yuehai street, Nanshan District, Shenzhen City, Guangdong Province, P.R.China

4.2 General Description of EUT

Product Name:	R8 Smart Watch		
Model No.(EUT):	S9246HC	(0,)	(0,2)
Trade Mark:	SKG		

4.3 Product Specification subjective to this standard

SK (, π/4DQPSK, 8DF Fool enna	PSK		
ГооІ	PSK		
(67)	(d		
(67)	(2		
enna	100		
Silia	(0)	,	6.
C 3.8V			
2023			
2023 to Apr. 03, 202	23		
	2023 2023 to Apr. 03, 202 on Report, the sam	2023 2023 to Apr. 03, 2023 on Report, the sample(s) and sample Inf	2023

















4.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

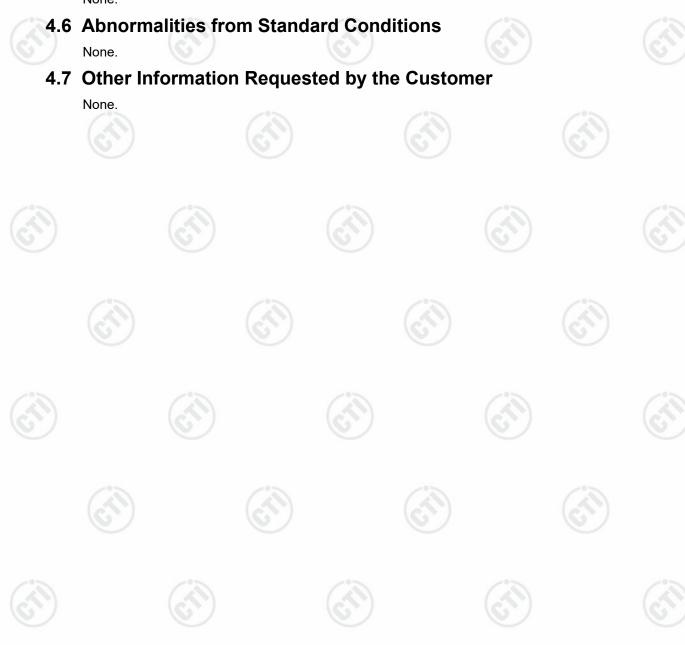
Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted. FCC Designation No.: CN1164

4.5 Deviation from Standards

None.







5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). Pth is given by Formula

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

where

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

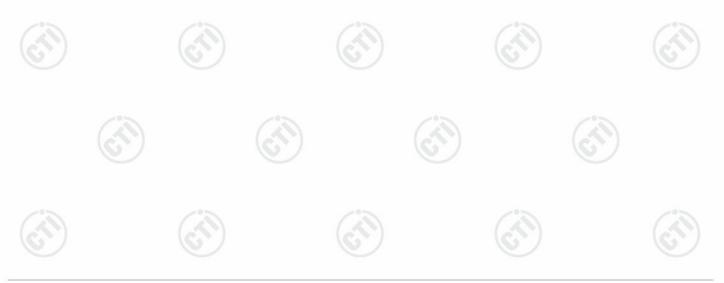
and f is in GHz, d is the separation distance (cm), and ERP20cm is per Formula (B.1).

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

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

5.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.





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5.1.3 EUT RF Exposure Evaluation

For Stand alone:

For BLE

Frequency	Max.	Antenna	EIRP	ERP	ERP	Limit	Result
(MHz)	Conducted	Gain (dBi)	(dBm)	(dBm)	(mW)	(mW)	
	Output						
·	power			/ 25		100	
(~1)	(dBm)			(2/3)			
2402	0.58	-1.81	0.58	-1.57	0.697	2.788	PASS

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For BT Classic

Frequency	Max.	Antenna	EIRP	ERP	ERP	Limit	Result
(MHz)	Conducted	Gain (dBi)	(dBm)	(dBm)	(mW)	(mW)	(6)
	Output						
	power						
- 0.10	(dBm)			-0.5			
2402	0.53	-1.81	0.53	-1.62	0.689	2.788	PASS

Note:

- ①EIRP=conducted power+antenna gain;
- ②ERP=EIRP-2.15
- 3)Only the worst case data was recorded in the report.

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 CTI, this report can't be reproduced except in full.

*** End of Report ***