



RF Exposure Evaluation Report

Product Hemoglobin Meter

N/A Trade mark

Model/Type reference : HB-202

Serial Number N/A

Report Number : EED32N00018702

FCC ID : 2AWPL0002 **Date of Issue** : Jun. 23, 2021

: 47 CFR Part 1.1307

47 CFR Part 2.1093 **Test Standards**

KDB447498D01 General RF

Exposure Guidance v06

PASS Test result

Prepared for:

Hangzhou Sejoy Electronics & Instruments Co., Ltd. Area C, Building 2, No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou, China

Prepared by:

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2 Version

Version No.	Date	Description			
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4 General Information

4.1 Client Information

Applicant:	Hangzhou Sejoy Electronics & Instruments Co., Ltd.		
Address of Applicant:	Area C, Building 2, No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou, China		
Manufacturer:	Hangzhou Sejoy Electronics & Instruments Co., Ltd.		
Address of Manufacturer:	Area C, Building 2, No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou, China		
Factory:	Hangzhou Sejoy Electronics & Instruments Co., Ltd.		
Address of Factory:	Area C, Building 2, No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou, China		

4.2 General Description of EUT

Product Name:	Hemoglobin Meter		(1)
Mode No.:	HB-202	(6,)	(0,0)
Trade Mark:	N/A		
EUT Supports Radios application:	BT 5.0 Single module 2402MHz to	2480MHz	

4.3 Product Specification subjective to this standard

Frequency Range:	BT 5.0 Single module 2402MHz to 2480MHz	Hz;	
Modulation Type:	GFSK		
Test Power Grade:	Default		
Test Software of EUT:	PhyPlusKit		(6,2)
Antenna Type:	PCB antenna		
Antenna Gain:	0dBi		
Power Supply:	3*AAA Battery or Type-C USB DC 5V	0	
Max Conducted Peak Output Power:	6.55dBm	G	§*)
	The Max Conducted Peak Output Power data refer to the report EED32N00018701		
Sample Received Date:	Mar. 15, 2021		
Sample tested Date:	Mar. 15, 2021 to Apr. 2, 2021		(41)

Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.











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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.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.















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5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06 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:

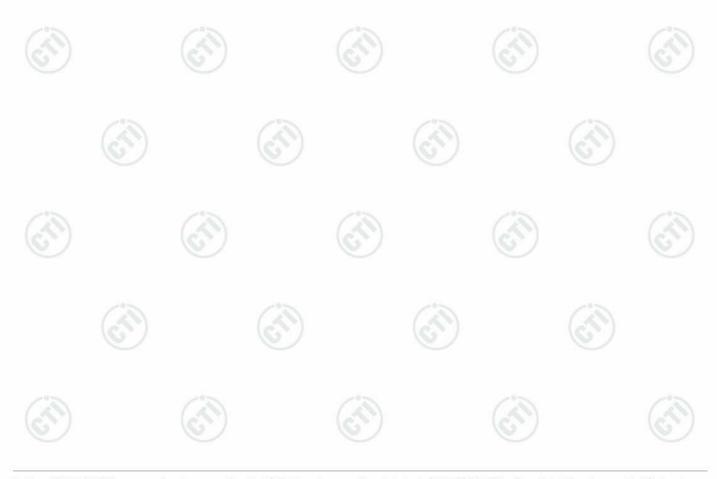
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $[\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion



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5.1.2 EUT RF Exposure

The tune-up power is 6.5 dBm +/- 0.5dB, therefore the highest tune-up power is

7.000 (5.01 mW) @ 2480 MHz

When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

So,

(5.01 / 5mm) * (2.480GHz ^0.5)= 1.6

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] * $[\sqrt{f(GHz)}] = 1.6 < 3.0$

Therefore, standalone SAR measurements are not required for both head and body.













































































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PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32N00018701 for EUT external and internal photos.

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