

Report No.: EED32N00024202 Page 1 of 8

RF Exposure Evaluation Report

Product : Blood Glucose Meter

Trade mark : N/A

Model/Type reference : BG-710b, BG-210b

Test Model No. : BG-710b

Serial Number : N/A

Report Number : EED32N00024202

FCC ID : 2AWPL0003

Date of Issue : Jul. 05, 2021

Test Standards : 47 CFR Part 1.1307

47 CFR Part 2.1093

KDB447498D01 General RF Exposure Guidance v06

Test result : PASS

Prepared for:

Hangzhou Sejoy Electronics & Instruments Co., Ltd. Area C, Building 2, No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou City, 311100 Zhejiang P.R. China

Prepared by:

Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

Compiled by:

Approved by:

Report Seal

Martin Lee

Reviewed by:

Acron Ma

Martin Lee David Wang

David Wang

Date:

Aaron Ma

Jul. 05, 2021

Check No.:4538083946







2 Version

Version No.	Date	Description			
00	Jul. 05, 2021		Original		
5)	(0,0)	6.	0	0,	











































































Page 3 of 8

3 Contents

							raye
1 COVER PAGE	=	•••••	•••••	•••••	•••••	•••••	1
2 VERSION	•••••	•••••		•••••	•••••	•••••	2
3 CONTENTS		•••••		•••••	•••••	•••••	3
4 GENERAL IN	FORMATION	•••••		•••••		•••••	4
4.2 GENERAL 4.3 TEST LOCA 4.4 DEVIATION 4.5 ABNORMAI	FORMATIONDESCRIPTION OF EATIONIFROM STANDARD LITIES FROM STANFORMATION REQUE	EUTss	ONS				4 5 5
5 SAR EVALUA	TION	•••••	•••••	•••••	•••••	•••••	6
5.1.1 Stand	SURE COMPLIANCE dard Requiremen RF Exposure	t					6
PHOTOGRAPH	S OF EUT CONS	TRUCTIONA	L DETAILS	••••••	••••••	••••••	8



Report No.: EED32N00024202 Page 4 of 8

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 City, 311100 Zhejiang P.R. China		
Manufacturer:	Hangzhou Sejoy Electronics & Instruments Co., Ltd.		
Address of Manufacturer:	Area C, Building 2, No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou City, 311100 Zhejiang P.R. China		
Factory:	Hangzhou Sejoy Electronics & Instruments Co., Ltd.		
Address of Factory:	Area C, Building 2, No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou City, 311100 Zhejiang P.R. China		

4.2 General Description of EUT

Product Name:	Blood Glucose Meter		
Mode No.:	BG-710b, BG-210b	(80)	(5,5)
Test Model No.:	BG-710b		
Trade Mark:	N/A		
Bluetooth Version:	V5.0	-11-	
Operation Frequency:	2402MHz~2480MHz	(4)	1
Modulation Type:	GFSK	(6)	
Transfer Rate:	⊠1Mbps □2Mbps		
Test Power Grade:	Default	62	
Test Software of EUT:	PhyPlusKit		
Antenna Type:	PCB antenna	(6.)	(6.)
Product Type:	☐ Mobile ☐ Portable ☐ Fix Location		
Antenna Gain:	0.5dBi		
Power Supply:	2*AAA Battery	(3)	\
Sample Received Date:	Apr. 15, 2021	(6,2))
Sample tested Date:	Apr. 16, 2021 to May 11, 2021		

Model No.: BG-710b, BG-210b

Only the model BG-710b was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color of appearance and model name.



www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com Hotline: 400-6788-333



Page 5 of 8

4.3 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

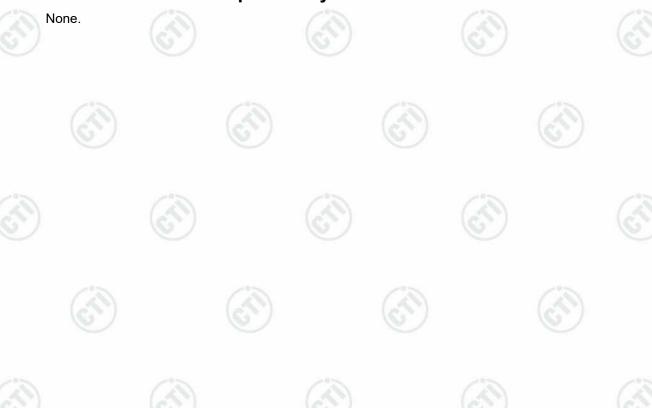
No tests were sub-contracted. FCC Designation No.: CN1164

4.4 Deviation from Standards

4.5 Abnormalities from Standard Conditions

None.

4.6 Other Information Requested by the Customer





www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com



Report No.: EED32N00024202 Page 6 of 8

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:

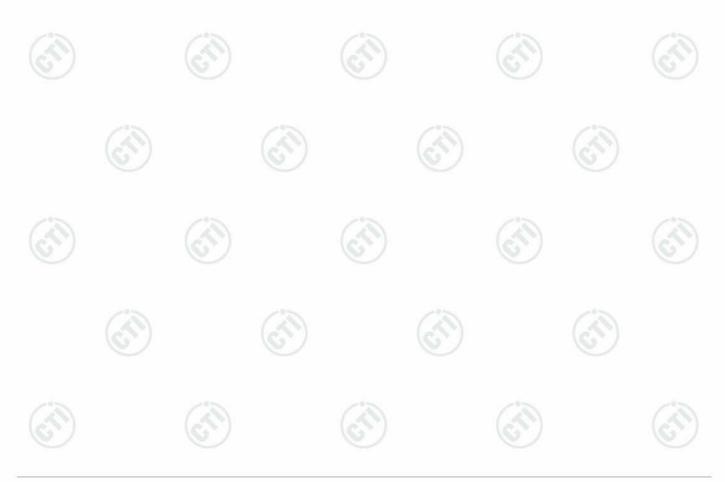
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

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

Power and distance are rounded to the nearest mW and mm before calculation 17

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



Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com





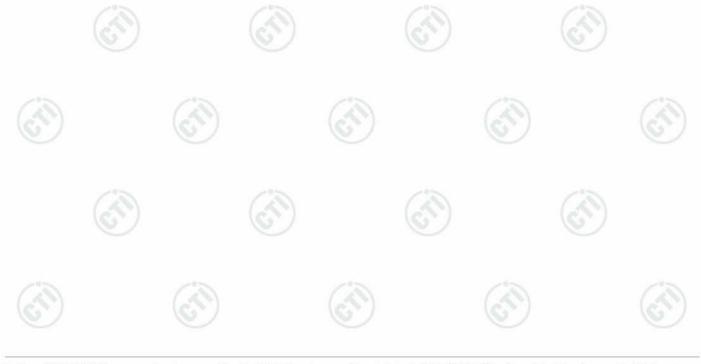
5.1.2 EUT RF Exposure

Measurement Data

	GFSK r	node		
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power	
	(dBm)	(dBm)	(dBm)	(mW)
Lowest(2402MHz)	3.67	3.0±1	4.0	2.512
Middle(2440MHz)	3.42	2.5±1	3.5	2.239
Highest(2480MHz)	2.66	2.0±1	3.0	1.995

Channel	Maximum Peak Conducted	Tune up	Maximum tune- up Power		Calculated	Exclusion
	Output Power (dBm)	(dBm)	(dBm)	(mW)	value	threshold
Lowest (2402MHz)	3.67	3.0±1	4.0	2.512	0.78	
Middle (2440MHz)	3.42	2.5±1	3.5	2.239	0.70	3.0
Highest (2480MHz)	2.66	2.0±1	3.0	1.995	0.63	6

Remark: The Max Conducted Peak Output Power data refer to report Report No.: EED32N00024201.



Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com



Report No.: EED32N00024202 Page 8 of 8

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32N00024201 for EUT external and internal photos.

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.



Hotline: 400-6788-333 www.cti-cert.com E-mail: info@cti-cert.com Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com