



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: Life Sensing Instruments, Inc.

Model: K-1003

Description: Digital Bedside Wireless Interface

Serial Number: BWI007H613.00, BWI008H609.50

FCC ID: OF8-BWI

To

FCC Part 1.1310

Date of Issue: October 12, 2017

On the behalf of the applicant:

**Life Sensing Instruments, Inc.
329 W. Lincon St
Tullahoma, TN 37388**

Attention of:

**Gene Money, R&D Manager
Ph: (931)728-2579
Email: gmoney@lsimed.com**

**Prepared By
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Project No: p1780013**

**Poona Saber
Project Test Engineer**

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	September 12, 2017	Poona Saber	Original Document
2.0	October 12, 2017	Poona Saber	Revised the antenna gain and calculations

ILAC / A2LA

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009)

The tests results contained within this test report all fall within our scope of accreditation, unless below

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Testing Certificate Number: **2152.01**



FCC Site Reg. #349717

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

EUT Description

Model: K-1003

Description: Digital Bedside Wireless Interface

Firmware: N/A

Software: TCBWI_PIC32MXXproduction_201706300.hex

Serial Number: BWI007H613.00, BWI008H609.50

Additional Information:

Operating voltage of the device is 3 Vdc which was powered up with external power supply. The modulation is FSK with frequency Range of 609-614 MHz.



MPE Evaluation

This is a portable device used in Uncontrolled Exposure environment.

Limits Uncontrolled Exposure
47 CFR 1.1310
Table 1, (B)

0.3-1.234 MHz:	Limit [mW/cm ²] = 100
1.34-30 MHz:	Limit [mW/cm ²] = (180/f ²)
30-300 MHz:	Limit [mW/cm ²] = 0.2
300-1500 MHz:	Limit [mW/cm ²] = f/1500
1500-100,000 MHz	Limit [mW/cm ²] = 1.0

Test Data

Test Frequency, MHz	613
Power, Conducted, mW (P)	1.08
Antenna Gain Isotropic	2.5 dBi
Antenna Gain Numeric (G)	1.77
Antenna Type	monopole
Distance (R)	20 cm

$S = \frac{P * G}{4\pi r^2}$
Power Density (S) mw/cm ²

Power Density (S) =0.00038
Limit =(from above table) = 0.409

END OF TEST REPORT