

NSE Products, Inc.

RF Exposure Exhibit

SCOPE OF WORK

EMC TESTING – AngeLOC LumiSpa iO, Model: LS2R

REPORT NUMBER

104685526MPK-010

ISSUE DATE

January 21 ,2022

REVISED DATE

N/A

PAGES

8

DOCUMENT CONTROL NUMBER

Non-Specific Radio Report Shell Rev. December 2017 MPK
© 2017 INTERTEK



**RF Exposure Exhibit
(Portable devices)**

Report Number: 104685526MPK-010

Project Number: G104685526

Report Issue Date: January 21 ,2022

Product Designation: AgeLOC LumiSpa iO

Model Tested: LS2R

FCC ID: 2AZ3A-LS2R

IC: 26225-LS2R

to

47CFR 2.1093

RSS-102 Issue 5

for

NSE Products, Inc.

Tested by:

Intertek
1365 Adams Court
Menlo Park, CA 94025 USA

Client:

NSE Products, Inc.
75 W Center St
Provo, UT 84601 USA

Report prepared by:



Aaron Chang / EMC Project Engineer

Report reviewed by:



Krishna Vemuri / EMC Manager

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Report No. 104685526MPK-010	
Equipment Under Test:	AgeLOC LumiSpa iO
Model(s) Tested:	LS2R
Applicant:	NSE Products, Inc.
Contact:	Spencer Jarvis
Address:	NSE Products, Inc. 75 W Center St Provo, UT 84601
Country:	USA
Email:	sjarvis@nuskin.com
Applicable Regulation:	47CFR 2.1093 RSS-102 Issue 5

TABLE OF CONTENTS

1.0	<i>RF Exposure Summary.....</i>	5
2.0	<i>RF Exposure Limits</i>	5
3.0	<i>Test Results (Portable Configuration)</i>	6
4.0	<i>Document History</i>	8

1.0 RF Exposure Summary

Test	Reference FCC	Reference Industry Canada	Result
Radio frequency Radiation Exposure Evaluation	47 CFR§2.1093	RSS-102 Issue 5	Complies

2.0 RF Exposure Limits**2.1 FCC Limits**

According to FCC KDB 447498 D01 v07 Appendix B, at frequency 2450 MHz and separation distance of ≤ 5 mm SAR Exemption limit is ≤ 3 mW.

2.2 Industry Canada Limits

According to RSS-102 sec. 2.5.1, at frequency 2450 MHz and separation distance of ≤ 5 mm SAR Exemption limit is ≤ 4 mW.

3.0 Test Results (Portable Configuration)

3.1 Classification

For purposes of this section, a portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user. Per the applicant, NSE Products, Inc. is not intended to be worn on the body.

3.2 EIRP calculations

The AgeLOC LumiSpa iO consists of Bluetooth Low Energy and RFID radios.

Note: RFID radio complies Field Strength limits of 47 CFR FCC Part 15 sub part 15.225 as per test Report #104685526MPK-007. RFID radio is exempted from SAR requirements.

3.3 Maximum RF Power

Frequency Range (MHz)	RF Output (dBm)	Antenna Gain ¹ (dBi)	Note
2402-2480	0.8	2.0	Conducted power measurements were taken from Report #104685526MPK-003.

¹As declared by the manufacturer.

3.4 RF Exposure Calculation for AgeLOC LumiSpa iO

3.4.1 RF Exposure calculation for FCC KDB 447498 D01 v07

According to FCC KDB 447498 D01 v07 Appendix B, at frequency 2450 MHz and separation distance of ≤ 5 mm SAR Exemption limit is ≤ 3 mW.

Max Peak Conducted Power measured = 0.8 dBm or 1.202 mW

No duty cycle was considered.

Therefore, the Maximum EIRP calculated is 0.8 dBm (RF Conducted Power) + 2.0 dBi (Antenna Gain) = 2.8 dBm or 1.905 mW.

Results: SAR evaluation is not required since the higher of the maximum conducted or equivalent isotopically radiated power (EIRP) source-based, time averaged output power is below the exemption limit.

Note: Antenna gains below 0 are considered as 0dBi.

3.4.2 RF Exposure calculation for RSS-102 Issue 5

According to RSS-102 sec. 2.5.1, at frequency 2450 MHz and separation distance of ≤ 5 mm SAR Exemption limit is ≤ 4 mW.

Max Peak Conducted Power measured = 0.8 dBm or 1.202 mW

No duty cycle was considered.

Therefore, the Maximum EIRP calculated is 0.8 dBm (RF Conducted Power) + 2.0 dBi (Antenna Gain) = 2.8 dBm or 1.905 mW.

Results: SAR evaluation is not required since the higher of the maximum conducted or equivalent isotopically radiated power (EIRP) source-based, time averaged output power is below the exemption limit.

Note: Antenna gains below 0 are considered as 0dBi.

4.0 Document History

Revision/ Job Number	Writer Initials	Reviewers Initials	Date	Change
1.0/ G104685526	AC	KV	January 21 ,2022	Original document