



F2 Labs
16740 Peters Road
Middlefield, Ohio 44062
United States of America
www.f2labs.com

SAR EXEMPTION REPORT

Manufacturer: North Pole Engineering, Inc.
1000 Boone Avenue North, Suite 700
Golden Valley, Minnesota 55427 USA

Applicant: Same as Above

Product Name: WYÛR

Product Description: A battery powered device that converts signals between ANT+ and Bluetooth fitness sensors and receivers, converts Bluetooth or ANT+ heart rate to Polar 5kHz receivers, and consolidates multiple sensors into a single connection point for streamlined connection to devices with limited connections such as an Apple TV. WYÛR also enables Apple Watch to be used as a standard heart rate monitor.

Model: W0100-0

FCC ID: XRH-NPE110

Standard(s):

- KDB447498 D04 Interim General RF Exposure Guidance v01
- FCC Rule Part 1.1307(b)(3)(i)(a)

Report Constructed by: Julius Chiller, EMC/Wireless Engineer

Report Reviewed by: Ken Littell, Vice President of EMC

F2 Labs
26501 Ridge Road
Damascus, MD 20872
Ph 301.253.4500

F2 Labs
16740 Peters Road
Middlefield, OH 44062
Ph 440.632.5541

F2 Labs
8583 Zionsville Road
Indianapolis, IN 46268
Ph 317.610.0611

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1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 Document History

Document Number	Description	Issue Date	Approved By
F2P26787C-07E	First Issue	2022-09-16	K. Littell



2 SUMMARY OF RESULTS

	Standard(s)	Results
SAR Exemption	- KDB447498 D04 Interim General RF Exposure Guidance v01 - FCC Rule Part 1.1307(b)(3)(i)(a)	Complies

Modifications Made to the Equipment
None



3 ENGINEERING STATEMENT

This report has been prepared on behalf of North Pole Engineering, Inc., to provide documentation for the SAR Exemption herein. This equipment has been tested and found to comply with the SAR Exemption levels listed in FCC Rule Part 1.1307(b)(3)(i)(a).

(3) Determination of exemption.

(i) For single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);"

The minimum distance from the antenna used inside of the W0100-0, is 5mm. The maximum Field Strength of the transmitter was 88 dB μ V/m at 3m which equals 0.12 mW, well below the exemption limit of 1mW.



4 EUT INFORMATION AND DATA

4.1 Equipment Under Test:

Product: 2.4 GHz Radio
Model: **W0100-0**
Serial No.: 0021
Firmware: 0.1.31
Hardware: REV1.5
FCC ID: XRH-NPE110

4.2 Trade Name:

North Pole Engineering, Inc.

4.3 Power Supply:

Battery-Operated

4.4 Applicable Rules:

KDB447498

4.5 Antenna:

Integral Antenna, 0dBi Gain

4.6 Accessories:

Device	Manufacturer	Model Number	Serial Number
Laptop	Dell	Latitude	10083
Accessory Software Version:		GemHciHostSimulator v3.33.0	