



## **Compliance Testing, LLC**

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

toll-free: (866) 311-3268

fax: (480) 926-3598

<http://www.ComplianceTesting.com>

[info@ComplianceTesting.com](mailto:info@ComplianceTesting.com)

### **Test Report**

**Prepared for: Noraxon USA, Inc**

**Model: NAS8001-G**

**Description: 800 Radio**

**Serial Number: N/A**

**FCC ID: IWC-800**

**To**

**FCC Part 1.1310**

**Date of Issue: April 17, 2017**

**On the behalf of the applicant:**

**Noraxon USA  
15770 N Greenway Hayden Loop  
# 100  
Scottsdale, AZ 85260**

**Attention of:**

**Dave Byman, Director of Technology  
Ph: (480)443-3413  
E-Mail: [dave.byman@noraxon.com](mailto:dave.byman@noraxon.com)**

**Prepared By  
Compliance Testing, LLC  
1724 S. Nevada Way  
Mesa, AZ 85204  
(480) 926-3100 phone / (480) 926-3598 fax  
[www.compliancetesting.com](http://www.compliancetesting.com)  
Project No: p1720003**

**Alex Macon  
Project Test Engineer**

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### Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	March 28, 2017	Alex Macon	Original Document



## 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

Please refer to <http://www.compliancetesting.com/labscope.html> for current scope of accreditation.

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:** NAS8001-G

**Description:** 800 Radio

**Firmware:** N/A

**Software:** N/A

**Serial Number:** N/A

### **Additional Information:**

The EUT is intended to be incorporated into body wearable devices.

The EUT was measured by radiated means in order to gather the EIRP



### Source Based Time Averaged Power Calculation

Average Power =

Tuned Frequency (MHz)	Average Power (mW)
2480	0.003mW



## MPE Evaluation

This is a portable device used in Uncontrolled Exposure environment.

## Test Data

Test Frequency, MHz	2480
Power, Conducted, mW (P)	0.003
Antenna Gain Isotropic	0dBi
Antenna Gain Numeric (G)	1.00
Antenna Type	F-type
Distance (R)	5 mm

This is for calculating a SAR exclusion per KDB 447498.

1) 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:

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

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

$$[(0.003\text{mW})/(5\text{mm})] \cdot \sqrt{2.480}$$

$$0.0006 \cdot 1.575 = .000945$$

END OF TEST REPORT