



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: Roving Networks, Inc

Model: RN-42

Description: Bluetooth Device Modular

To

RSS-102 Issue 4

Date of Issue: November 8, 2011

On the behalf of the applicant:

Roving Networks, Inc
102 Cooper Court
Los Gatos, California 95032

Attention of:

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By the request of:

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Prepared by
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Project No: p11a0005

Greg Corbin
Project Test Engineer

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Test Report Revision History

| Revision | Date | Revised By | Reason for Revision |
|----------|------------------|-------------|---------------------|
| 1.0 | November 8, 2011 | Greg Corbin | Original Document |
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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 noted below.

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

Testing Certificate Number: **2152.01**



FCC OATS Reg, #933597

IC Reg. #2044A-1

Non-accredited tests contained in this report:

N/A



RF Exposure Technical Brief

1. Standard Applicable

This device meets the certification requirements for Radio Frequency (RF) Exposure Compliance of Radio communication Apparatus as defined in section 2 of RSS 102.

This is a **Body Supported Device** per the definition in RSS 102, in that it is a transmitter attached to a mobile handheld computer. This device has been evaluated to the RF Exposure Maximum Permissible Exposure (MPE) Limits specified in RSS 102 section 4.2, (RF Field Strength Limits for Devices used by the General Public/ Uncontrolled Environment).

EUT Description

Model: Sphero

Description: Robotic Ball Controlled from a Smartphone

S/N: FCC test sample

Additional Information:

This is an IC Reassessment to a pre-certified Bluetooth Module, Model: RN-42 (IC ID: 6514A-RN42) installed in the Robotic Ball Controlled from a Smartphone.

The manufacturer changed the antenna type and this RF Exposure report is to show the EUT is still compliant to the specification.

The Antenna gain is 2.43 dBi.

This is a portable device. In normal operation the EUT is moving around on the floor more than 20 cm from the operator.

2. Measurement Results:

| Frequency (MHz) | Radiated Output Power 100% Duty Cycle (mW) |
|-----------------|--|
| 2402 | 0.0671 |
| 2441 | 0.0736 |
| 2480 | 0.0533 |

2.5.1 Exemption from Routine Evaluation Limits – SAR Evaluation

Above 2.2 GHz and up to 3 GHz inclusively, and with source based, time-averaged output power less than or equal to 20 mW for general public use and 100 mW for controlled use;

The SAR measurement is not necessary.

RSS 102 Annex C has been submitted with this Technical Brief, which shows compliance to the RF Exposure Limits in RSS 102.

END OF TEST REPORT