Compliance Testing, LLC
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Test Report

Prepared for: Samtec, Inc.

Model: OSM-1-1313

Description: nMode Smart Modules

Serial Number: N/A

FCC ID: 2ALII-OSM-1-1313

To

FCC Part 1.1310

Date of Issue: May 4, 2017

On the behalf of the applicant:	**Samtec, Inc.** **8950 N. Oracle Rd.** **Suite 100** **Oro Valley, AZ 85704**
Attention of:	**Joel Blumke** **Ph: (520) 777-1059** **E-Mail: joel.blumke@samtec.com**

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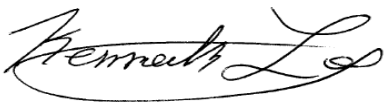

Kenneth Lee
Project Test Engineer

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	March 6, 2017	Kenneth Lee	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: OSM-1-1313
Description: nMode Smart Modules
Firmware: N/A
Software: N/A
Serial Number: N/A
Additional Information: None

SAR Exclusion

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:

[(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,[25] where

• f(GHz) is the RF channel transmit frequency in GHz
• Power and distance are rounded to the nearest mW and mm before calculation[26]
• 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

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Max Power in mW = 1.8 mW
Min. Test Separation Distance = 5 mm
Frequency of Operation = 2480

$\frac{1.8\ mW}{5\ mm}$ X [√f(2.48)] = 0.567

END OF TEST REPORT