



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: Solid Technologies

Model: EXPRESS Public Safety

Description: Booster System

SC-MRU700PS800PS – 700/800 MHz Amplifier

To

FCC Part 1.1310

Date of Issue: April 30, 2014

On the behalf of the applicant:

**Solid Technologies
4332 E Siesta Lane
Phoenix, AZ 85050**

Attention of:

**Gregory Glenn
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**Prepared By
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Project No: p13a0005**

**Mike Graffeo
Project Test Engineer**

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	April 30, 2014	Mike Graffeo	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



Description:

Worse case composite 1Watt: if all both amplifiers are simultaneously transmitting within the single enclosure (1000mW). Minimum Safe Distance is based off the highest antenna gain of 14.45 and the strictest limit of 2.555mW/cm²

Minimum Safe Distance
Calculations

$$\text{Formula} = R = ((PG)/(4 * \pi * S))^{0.5}$$
$$= ((1000 * 14.45)/(4 * \pi * 2.555))^{0.5}$$

Minimum Safe Distance (R) = 21.22 cm

END OF TEST REPORT