



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

FCC ID's: W6UHM850C, W6UHM700LM, W6UHMAWS1M

To

FCC Part 1.1310

Date of Issue: May 16, 2014

On the behalf of the applicant:

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

Attention of:

**Gregory Glenn
Ph: (408) 649-4803
E-Mail: greg.glenn@solid.com**

**Prepared By
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Project No: p1440024-25-26**

**Mike Graffeo
Project Test Engineer**

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All results contained herein relate only to the sample tested



Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	May 16, 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 15 Watts: if all three amplifiers are simultaneously transmitting within the single enclosure (15,000mW). Minimum Safe Distance is based off the highest antenna gain of 14.45 and the strictest limit of 2.473 mW/cm²

Minimum Safe Distance
Calculations

$$\text{Formula} = R = ((PG)/(4 \cdot \pi \cdot S))^{0.5}$$
$$= ((15,000 \cdot 14.45)/(4 \cdot \pi \cdot 2.473))^{0.5}$$

$$\text{Minimum Safe Distance (R)} = 83.52\text{cm}$$

END OF TEST REPORT