



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: HES, Inc.

Model: K100-620PA

Description: Electronic Cabinet Lock System

To

FCC Part 1.1310

Date of Issue: November 7, 2012

On the behalf of the applicant:

HES, Inc.
10027 S. 51st Street
Suite 102
Phoenix, AZ 85044

Attention of:

Joshua Peabody, Director of R&D
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Prepared By
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Project No: p12a0007

Greg Corbin
Project Test Engineer

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	November 7, 2012	Greg Corbin	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 OATS Reg, #933597

IC Reg. #2044A-1

Non-accredited tests contained in this report:

N/A



RF Exposure Evaluation

2.4 GHz DTS Transmitter

Description

Door mounted keycard entry system with 2 wireless RF transmitters.

One transmitter is a RFID transmitter operating at 125 KHz. The 125 KHz transmitter is a verification only device. All emissions are less than 470 kHz and greater than 40 dB below the limit.

The 2nd transmitter is a DSS transmitter operating at 2.4 GHz.
Only one transmitter is transmitting at a time.

Measurement Result

Tuned Frequency	Radiated Peak Output Power	RF Exposure Limit
2405	0.000170 mW	24.948 mW
2440	0.0000693 mW	24.590 mW
2475	0.0000348 mW	24.242 mW

The peak output power is lower than the low threshold of $60/2405 \text{ MHz} = (24.948 \text{ mW})$, for $d < 2.5 \text{ cm}$ general population category.

The SAR measurement is not necessary.

END OF TEST REPORT