



# Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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## Test Report

Prepared for: Centralite Systems

Models: 3200, 3201, 4257050-RZHAC

Description: 3-Series Smart Outlet

Serial Number: N/A

FCC ID: T3L-SS042

To

FCC Part 1.1310

Date of Issue: January 29, 2018

On the behalf of the applicant:

Centralite Systems  
1000 Cody Road South  
Mobile, AL 36695

Attention of:

Adel A. Sakla, Senior Hardware Engineer  
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Project No: p17c0014

Kenneth Lee  
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	December 20, 2017	Kenneth Lee	Original Document
2.0	January 29, 2018	Kenneth Lee	Updated Limit used in Test Data Table

## 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**

**Models:** 3200, 3201, 4257050-RZHAC

**Description:** 3-Series Smart Outlet

**Firmware:** N/A

**Software:** N/A

**Serial Number:** N/A

**Additional Information:** The EUT implements GFSK modulation



**MPE Evaluation**

This is a portable device used in Uncontrolled Exposure environment.

**Limits Controlled Exposure  
47 CFR 1.1310  
Table 1, (A)**

0.3-3.0 MHz:	Limit [mW/cm <sup>2</sup> ] = 100
3.0-30 MHz:	Limit [mW/cm <sup>2</sup> ] = (900/f <sup>2</sup> )
30-300 MHz:	Limit [mW/cm <sup>2</sup> ] = 1.0
300-1500 MHz:	Limit [mW/cm <sup>2</sup> ] = f/300
1500-100,000 MHz	Limit [mW/cm <sup>2</sup> ] = 5

**Limits Uncontrolled Exposure  
47 CFR 1.1310  
Table 1, (B)**

0.3-1.234 MHz:	Limit [mW/cm <sup>2</sup> ] = 100
1.34-30 MHz:	Limit [mW/cm <sup>2</sup> ] = (180/f <sup>2</sup> )
30-300 MHz:	Limit [mW/cm <sup>2</sup> ] = 0.2
300-1500 MHz:	Limit [mW/cm <sup>2</sup> ] = f/1500
1500-100,000 MHz	Limit [mW/cm <sup>2</sup> ] = 1.0

**Test Data**

Test Frequency, MHz	2405
Power, Conducted, mW (P)	2.82
Antenna Gain Isotropic	5dBi
Antenna Gain Numeric (G)	3.16
Antenna Type	Integral
Distance (R)	20 cm

$S = \frac{P * G}{4\pi r^2}$
Power Density (S) mw/cm <sup>2</sup>

Power Density (S) = 0.001772879
Limit = (from above table) = 1.0

END OF TEST REPORT