



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

toll-free: (866) 311-3268

fax: (480) 926-3598

<http://www.ComplianceTesting.com>

info@ComplianceTesting.com

Test Report

Prepared for: Command Electronics, LLC

Model: LevelMatePro

Description: Bluetooth enabled towed vehicle sensor

Serial Number: N/A

FCC ID: 2AHCZ-LEVELMATEPRO

To

FCC Part 1.1310

Date of Issue: February 24, 2016

On the behalf of the applicant:

Command Electronics, LLC
3702 Pinecrest Dr NE
Hickory, NC 28601

Attention of:

Mark Ehrnsberger
Ph: (828)238-8263
Email: mark@command-electronics.com

Prepared By
Compliance Testing, LLC
1724 S. Nevada Way
Mesa, AZ 85204
(480) 926-3100 phone / (480) 926-3598 fax
www.compliancetesting.com
Project No: p15c0020

Alex Macon
Project Test Engineer

This report may not be reproduced, except in full, without written permission from Compliance Testing
All results contained herein relate only to the sample tested



Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	January 18, 2016	Alex Macon	Original Document
2.0	February 24, 2016	Alex Macon	Updated the power density calculation

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: LevelMatePro

Description: Bluetooth enabled towed vehicle sensor

Firmware: N/A

Software: N/A

S/N: N/A

Additional Information: The EUT is powered by a coin cell battery



Average Power calculations

Average Power = Peak Power * duty-cycle%

Tuned Frequency (MHz)	Conducted Peak Output Power (mW)	Antenna Gain (dB)	Duty Cycle (%)	Average Power (mW)
2402	0.828	3.3	100	1.77



MPE Evaluation

This is a fixed device used in Uncontrolled Exposure environment.

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

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

Test Data

Test Frequency, MHz	2402
Power, Conducted, mW (P)	0.828
Antenna Gain Isotropic	3.3 dBi
Antenna Gain Numeric (G)	2.14
Antenna Type	pcb
Distance (R)	20 cm

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

Power Density (S) = 0.0003525227
Limit =(from above table) = 1.0

END OF TEST REPORT