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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**

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Project No: p15c0020

Alex Macon
Project Test Engineer

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/cm²] = 100
	1.34-30 MHz:	Limit [mW/cm²] = (180/f²)
	30-300 MHz:	Limit [mW/cm²] = 0.2
	300-1500 MHz:	Limit [mW/cm²] = f/1500
	1500-100,000 MHz	Limit [mW/cm²] = 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