



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: CalAmp

Model: LMU30G60BL

Description:

The LMU-3050 is a full-featured tracking unit with, OBD-II interface, backup battery, and a 3-axis accelerometer.

These features enable the LMU-3050 to access vehicle diagnostic interface data, track vehicle speed and location, plus detect hard braking, cornering, acceleration, crash detection and capture pre and post-impact data.

Serial Number: 359316074408946

FCC ID: APV-3050GBL

To

FCC Part 1.1310

Date of Issue: June 19, 2017

On the behalf of the applicant:

CalAmp
2177 Salk Avenue
Suite 200
Carlsbad, CA 92008

Attention of:

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Prepared By
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Project No: p1640020

Kenneth Lee
Project Test Engineer

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	June 12, 2017	Kenneth Lee	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

EUT Description

Model: LMU30G60BL

Description: The LMU-3050 is a full-featured tracking unit with, OBD-II interface, backup battery, and a 3-axis accelerometer. These features enable the LMU-3050 to access vehicle diagnostic interface data, track vehicle speed and location, plus detect hard braking, cornering, acceleration, crash detection and capture pre and post-impact data.

Firmware: Device Firmware 195-5.0j / BLE Firmware BLE-SPP-10e

Software: N/A

Serial Number: 359316074408946

Additional Information: None



SAR Exclusion

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$$\frac{[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})]}{[\sqrt{f(\text{GHz})}]} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}^{25} \text{ where}$$

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁶
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Max Power in mW = 0.0036 mW
Min. Test Separation Distance = 5 mm
Frequency of Operation in GHz = 2.402

$$\frac{0.0036 \text{ mW}}{5 \text{ mm}} \times [\sqrt{f(2.402)}] = 0.00111$$

END OF TEST REPORT