TEST REPORT

Report Number: 102254161MPK-002
Project Number: G102254161
August 28, 2015

Testing performed on the
Velodyne LiDAR Puck
Model Number: VLP-16

To

EN 55022: 2010
EN 55024: 2010
FCC Part 15, Subpart B
Industry Canada ICES-003

Class: A

For

Velodyne Acoustics, Inc

Test Performed by:	Test Authorized by:
Intertek	Velodyne Acoustics, Inc
1365 Adams Court	345 Digital Dr
Menlo Park, CA 94025 USA	Morgan Hill, CA 95037, USA

Prepared by: _____ **Date:** August 28, 2015
Minh Ly

Reviewed by: _____ **Date:** August 28, 2015
Krishna K Vemuri

VERIFICATION OF COMPLIANCE
Report No. 102254161MPK-002

Verification is hereby issued to the named APPLICANT and is VALID ONLY for the Equipment identified hereon for use under the rules and regulations listed below.

Equipment Under Test:	Velodyne LiDAR Puck
Model Number:	VLP-16
Serial Number:	AE13611368
Applicant:	Velodyne Acoustics, Inc
Contact:	Pieter Kerstens
Address:	345 Digital Dr Morgan Hill, CA 95037
Country	USA
Tel. number:	(408) 465-2800
Email:	pkerstens@velodyne.com
Applicable Regulation:	EN 55022: 2010 EN 55024: 2010 FCC Part 15 Subpart B Industry Canada ICES-003 Issue 5
Equipment Class:	Class A
Date of Test:	August 21 to August 26, 2015

We attest to the accuracy of this report:

Minh Ly
EMC Project Engineer

Krishna K Vemuri
EMC Senior Staff Engineer

EXECUTIVE SUMMARY: IMMUNITY

Test Description	Test Parameter	Pass/Fail Comments
EN 55024: 2010		
EN 61000-4-2 Electrostatic Discharge	±4 kV contact discharge ±8 kV air discharge	Complies
EN 61000-4-3 Radiated, Radio-Frequency, Electromagnetic Field Immunity	Radiated Immunity, 3 V/m, 80 –1000 MHz, 80% AM at 1 kHz	Complies
EN 61000-4-4 Electrical Fast Transient/Burst	AC power ports, ±1 kV	Complies
	DC power ports, ±0.5 kV	Not Applicable[1]
	Signal and Telecommunication ports, ±0.5 kV	Complies
EN 61000-4-5 Surge Immunity	AC power ports, ±1 kV Differential & ±2 kV Common	Complies
	DC power ports, ±0.5 kV (line to ground)	Not Applicable[1]
	Signal and Telecommunication ports, ±0.5kV	Not Applicable[2]
EN 61000-4-6 Immunity to Conducted Disturbances, induced by Radio-Frequency Fields	AC power ports 0.15-80MHz, 3 V_{rms}, 80% AM at 1 kHz	Complies
	DC power ports 0.15-80MHz, 3 V_{rms}, 80% AM at 1 kHz	Not Applicable[1]
	Signal and Telecommunication ports 0.15-80MHz, 3 V_{rms}, 80% AM at 1 kHz	Complies
EN 61000-4-8 Power Frequency Magnetic Field Immunity	1 A_{rms}/m	Complies
EN 61000-4-11 Voltage Dips and Short Interruptions Immunity	AC power lines Reduction 30%, 25 periods Reduction 100%, 0.5 period Reduction 100%, 250 periods	Complies

[1] The EUT is AC-powered.

[2] The EUT does not have ports that connect directly to outdoor cables.

EXECUTIVE SUMMARY – EMISSIONS

Test Description	Class	Pass/Fail Comments
Radiated Emissions		
• EN 55022, FCC Part 15 Subpart B, ICES-003.	A	Complies
Conducted Emissions (AC Mains)		
• FCC Part 15 Subpart B	A	Complies
• EN 55022, ICES-003	A	Complies
Conducted Emissions (Telecommunication Ports)		
• EN 55022	A	Complies