



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

INDEPENDENT TESTING LABORATORIES, INC. <sup>1</sup>

1127 Baker Street  
Costa Mesa, CA 92626  
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Website: <http://itltesting.net>

ELECTRICAL

Valid to: July 31, 2019

Certificate Number: 3137.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, *as well as the satellite laboratory location listed below*, to perform the following electromagnetic capability tests:

<u>Test:</u>	<u>Test Specification(s):</u>	<u>Method(s):</u>
Audio Frequency Conducted Susceptibility - Power Inputs	RTCA/DO-160 D, E, F, G	Section 18
Electrostatic Discharge (ESD)	RTCA/DO-160 D, E, F, G	Section 25
Emission of Radio Frequency Energy (Conducted and Radiated)	RTCA/DO-160 D, E	Section 21.3 and 21.4
Emission of Radio Frequency Energy (Conducted and Radiated)	RTCA/DO-160 F, G	Section 21.4 and 21.5
Induced Signal Susceptibility	RTCA/DO-160 D, E, F, G	Section 19
Lightning Induced Transient Susceptibility	RTCA/DO-160 D, E, F, G	Section 22
Magnetic Effect	RTCA/DO-160 D, E, F, G	Section 15
Power Input	RTCA/DO-160 D, E, F, G	Section 16
Radio Frequency Susceptibility (Radiated and Conducted)	RTCA/DO-160 D, E, F, G	Sections 20.4 and 20.5
Voltage Spike	RTCA/DO-160 D, E, F, G	Section 17

<sup>1</sup> Accreditation is granted to this laboratory at the location listed above as well as the satellite laboratory location listed below:

(A2LA Cert. No. 3137.02) 05/18/2017

Page 1 of 2

INDEPENDENT TESTING LABORATORIES, INC.

17842 Cowan

Irvine, CA 92614

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Website: <http://itltesting.net>

<b><u>Test:</u></b>	<b><u>Specifications:</u></b>	<b><u>Methods:</u></b>
Audio Frequency Conducted Susceptibility - Power Inputs	RTCA/DO-160 D, E, F, G	Section 18
Electrostatic Discharge (ESD)	RTCA/DO-160 D, E, F, G	Section 25
Emission of Radio Frequency Energy (Conducted and Radiated)	RTCA/DO-160 D, E	Sections 21.3 and 21.4
Emission of Radio Frequency Energy (Conducted and Radiated)	RTCA/DO-160 F, G	Sections 21.4 and 21.5
Induced Signal Susceptibility	RTCA/DO-160 D, E, F, G	Section 19
Lightning Induced Transient Susceptibility	RTCA/DO-160 D, E, F, G	Section 22 (Up to Level 3)
Magnetic Effect	RTCA/DO-160 D, E, F, G	Section 15
Power Input	RTCA/DO-160 D, E, F, G	Section 16
Radio Frequency Susceptibility (Conducted and Radiated)	RTCA/DO-160 D, E, F, G	Sections 20.4 and 20.5
Voltage Spike	RTCA/DO-160 D, E, F, G	Section 17

On the following types of products, material, and/or industry that the laboratory tests:

In-flight entertainment systems and various aircraft subsystems, Military components and Aerospace components





## *Accredited Laboratory*

A2LA has accredited

# **INDEPENDENT TESTING LABORATORIES, INC.**

*Costa Mesa, CA*

for technical competence in the field of

## **Electrical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 18<sup>th</sup> day of May 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 3137.02  
Valid to July 31, 2019

*For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.*