

Compliance Testing, LLC

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Test Report

Prepared for: L-3 Communications

Model: 228E5733-00

Description: AFIRS228S Satellite Data Unit

FCC ID: IB2AFIRS228S

Serial Number: 000904810

То

FCC Part 1.1310

Date of Issue: October 1, 2015

On the behalf of the applicant:

Attention of:

L-3 Communications P. O. Box 3041 Sarasota, FL 34232

Suzi Schulz, Program Manager Ph: (941) 371-0811 xt. 5781 E-Mail: Suzanne.Schulz@L-3com.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: p1580015

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Alex Macon Project Test Engineer

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	September 3, 2015	Alex Macon	Original Document
2.0	October 1, 2015	Alex Macon	Updated limits to Uncontrolled use



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 <u>http://www.compliancetesting.com/labscope.html</u> 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



Description Dual channel Iridium satcom system used in aircrafts that incorporates Iridium 9523 and 9602.

This is a mobile device used in Uncontrolled Exposure environment.

Limits Uncontrolled Exposure 47 CFR 1.1310 Table 1, (B)	0.3-1.234 MHz 1.34-30 MHz 30-300 MHz 300-1500 MHz 1500-100,000 MHz	Limit [mW/cm ²] = 100 Limit [mW/cm ²] = (180/f ²) Limit [mW/cm ²] = 0.2 Limit [mW/cm ²] = f/1500 Limit [mW/cm ²] = 1.0
Test Frequencies, MHz Power, Conducted, mW (P) Antenna Gain Isotropic Antenna Gain Numeric (G) Antenna Type	1618.725 – 1625.979 2070 3dBi 2.0	
Distance (R)	20 cm	
Power Density Calculations	Formula = Power Density (S) = Limit =	S = PG / 4πR² 0.823 1.0

The Power Density is below the Limit.

The SAR measurement is not necessary.