



Compliance Testing, LLC
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toll-free: (866) 311-3268
fax: (480) 926-3598
<http://www.ComplianceTesting.com>
info@ComplianceTesting.com

Test Report

Prepared for: **FLYHT Aerospace Solutions Ltd.**

Model: AFIRS 228S Automated Flight Information Reporting System

Description: Dual Channel Iridium Satcom System that incorporates Iridium 9523 and 9602

FCC ID: 2ABRJ-228S

To

FCC Part 1.1310

Date of Issue: October 17, 2013

On the behalf of the applicant:

**FLYHT Aerospace Solutions Ltd.
200W, 1144-29th Avenue NE
Calgary, Alberta T2E 7P1**

Attention of:

**Derek Graham, Chief Operating Officer
Ph: (403) 250-9956
E-Mail: dgraham@flyht.com**

**Prepared By
Compliance Testing, LLC
3356 N San Marcos Pl, Suite 107
Chandler, AZ 85225-7176
(866) 311-3268 phone / (480) 926-3598 fax
www.compliancetesting.com
Project No: p1380011**

**Alex Macon
Project Test Engineer**

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	October 17, 2013	Alex Macon	Original Document
2.0	January 30, 2014	Alex Macon	Added FCC ID



ILAC / A2LA

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The tests results contained within this test report all fall within our scope of accreditation, unless noted below.

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Testing Certificate Number: **2152.01**



FCC OATS Reg, #933597

IC Reg. #2044A-1

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 Controlled Exposure environment.

Limits - Controlled Exposure

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Table 1, (A)

0.3-3.0 MHz:	Limit [mW/cm ²] = 100
3.0-30 MHz:	Limit [mW/cm ²] = (900/f ²)
30-300 MHz:	Limit [mW/cm ²] = 1.0
300-1500 MHz:	Limit [mW/cm ²] = f/300
1500-100,000 MHz	Limit [mW/cm ²] = 5

Test Frequencies, MHz
Power, Conducted, mW (P)
Antenna Gain Isotropic
Antenna Gain Numeric (G)
Antenna Type
Distance (R)

1618.725 – 1625.979
9230
3dBi
2.0
20 cm

dBi

20 cm

Power Density Calculations
Formula =
Power Density (S) =
Limit =

$S = PG / 4\pi R^2$
3.674
5.0

The Power Density is below the Limit.

The SAR measurement is not necessary.

END OF TEST REPORT