Compliance Testing, LLC
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Test Report

Prepared for: EMS Technologies Honeywell Satcom

Model: HSD-440

Description: Aeronautical Satcom Transceiver

Serial Number: N/A

FCC ID: K6KHSD-440

To

FCC Part 1.1310

Date of Issue: July 12, 2016

On the behalf of the applicant:	**EMS Technologies Honeywell Satcom** **400 Maple Grove Rd** **Ottawa, Ontario K2V 1B8**
Attention of:	**Steven Mills** **Ph: (613)591-6040** **Email: Steven.Mills2@Honeywell.com**

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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	June 23, 2016	Alex Macon	Original Document
2.0	July 11, 2016	Alex Macon	Updated Minimum safe distance

ILAC / A2LA

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Non-accredited tests contained in this report:

N/A

EUT Description
Model: HSD-440
Description: Aeronautical Satcom Transceiver
Firmware: N/A
Software: N/A
Serial Number: N/A

Minimum Safe Distance Evaluation

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:	Limit [mW/cm²] = 100
	1.34-30 MHz:	Limit [mW/cm²] = (180/f²)
	30-300 MHz:	Limit [mW/cm²] = 0.2
	300-1500 MHz:	Limit [mW/cm²] = f/1500
	1500-100,000 MHz	Limit [mW/cm²] = 1.0

Test Data

Test Frequency, MHz	1643.5
Power, Conducted, mW (P)	51100
Antenna Gain Isotropic	17 dBi
Antenna Gain Numeric (G)	50.12
Antenna Type	Patch
Limit (L)	1.0

R=√(PG/4πL)			
Distance (R) cm	Power mW (P)	Numeric Gain (G)	Limit (L)
451.5659237	51100	50.12	1

The minimum safe distance is 451.57 cm

END OF TEST REPORT