Compliance Testing, LLC
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Test Report

Prepared for: ALD Systems, Inc.

Model: RF506B-900

Description: Modular Wireless Signal Link and Data Transceiver

To

FCC Part 1.1310

Date of Issue: June 27, 2013

On the behalf of the applicant:

ALD Systems, Inc.
1105 Shepard Hills, Blvd.
Macedonia, OH 44056

Attention of:

Anthony Levay, Electrical Engineer
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Prepared By
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Greg Corbin
Project Test Engineer

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	June 27, 2013	Greg Corbin	Original Document
2.0	August 7, 2013	Greg Corbin	Revised the user environment from controlled to uncontrolled on page 4.

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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Non-accredited tests contained in this report:

N/A

Description

The EUT is a DTS transmitter module operating in the 902 – 928 frequency bands.
The device can operate on any one of 10 channels from 906 – 924 MHz.

The manufacturer provided test software that allowed the EUT to be tuned to the low, middle and high channel with the power set to the maximum level.
The test software was controlled using a hyper terminal and communicated with the module via a USB to serial adapter.
The module was connected to the USB adapter with a 20 cm ribbon cable as part of the modular certification requirements.

This is a mobile device used in **Uncontrolled** Exposure environment.

Limits - Uncontrolled Exposure	0.3-1.234 MHz:	Limit [mW/cm²] = 100
47 CFR 1.1310	1.34-30 MHz:	Limit [mW/cm²] = (180/f²)
Table 1, (B)	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 Frequencies, MHz	906, 914, 924
Power, Conducted, mW (P)	11
Antenna Gain Isotropic	0 dBi
Antenna Gain Numeric (G)	1
Antenna Type	3.0 inch piece of wire, mfr states that it is a ¼ wavelength at 914 MHz
Distance (R)	20 cm

Power Density Calculations	Formula =	$S = PG / 4\pi R^2$
	Power Density (S) =	0.00218mW/cm²
	Limit =	.616 mW/cm²

The Power Density is below the Limit.

The SAR measurement is not necessary.

END OF TEST REPORT