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Required information per ISO/IEC Guide 25-1990, paragraph 13.2:

a) **Test Report (Supplemental)**

b) Laboratory: M. Flom Associates, Inc.  
(FCC: 31040/SIT) 3356 N. San Marcos Place, Suite 107  
(Canada: IC 2044) Chandler, AZ 85225

c) Report Number: d0680041

d) Client: Wulfsberg Electronics Division  
6400 Wilkinson Drive  
Prescott, AZ 86301-6164

e) Identification: CVC-151  
FCC ID: FRWCVC-151  
Description: Aviation Control Unit (SN: E0001)

f) EUT Condition: Not required unless specified in individual tests.

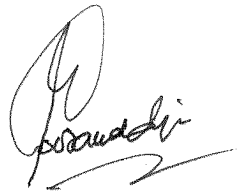
g) Report Date: August 15, 2006

h, j, k): As indicated in individual tests.

i) Sampling method: No sampling procedure used.

l) Uncertainty: In accordance with MFA internal quality manual.

m) Supervised by:



Hoosamuddin S. Bandukwala,  
Lab Director

n) Results: The results presented in this report relate only to the item tested.

o) Reproduction: This report must not be reproduced, except in full, without written permission from this laboratory.

## Identification of the Equipment Under Test (EUT)

**Name and Address of Applicant:**

Wulfsberg Electronics Division  
 6400 Wilkinson Drive  
 Prescott, AZ 86301-6164

**Manufacturer:**

Wulfsberg Electronics Division  
 6400 Wilkinson Drive  
 Prescott, AZ 86301-6164

<b>FCC ID:</b>	FRWCVC-151
<b>Model Number:</b>	CVC-151
<b>Description:</b>	Aviation Control Unit (SN: E0001)
<b>Type of Emission:</b>	16K0F3E
<b>Frequency Range, MHz:</b>	118.0 to 151.975
<b>Power Rating, Watts:</b>	22.4
<input type="checkbox"/> Switchable <input type="checkbox"/> Variable <input checked="" type="checkbox"/> N/A	
<b>Modulation:</b>	<input type="checkbox"/> AMPS <input type="checkbox"/> TDMA <input type="checkbox"/> CDMA <input checked="" type="checkbox"/> OTHER
<b>Antenna:</b>	<input type="checkbox"/> Helical <input type="checkbox"/> Monopole <input type="checkbox"/> Whip <input checked="" type="checkbox"/> Other

**Note:** For RF Safety test antenna gain taken at the upper range of expected gain (i.e. 0 dBi) and RF Power set to highest nominal power across all channels.

## Standard Test Conditions and Engineering Practices

Except as noted herein, the following conditions and procedures were observed during the testing:

In accordance with ANSI C63.4-2003 Draft, section 6.1.9, and unless otherwise indicated in the specific measurement results, the ambient temperature of the actual EUT was maintained within the range of 10° to 40°C (50° to 104 °F) unless the particular equipment requirements specify testing over a different temperature range. Also, unless otherwise indicated, the humidity levels were in the range of 10% to 90% relative humidity.

Prior to testing, the EUT was tuned up in accordance with the manufacturer's alignment procedures. All external gain controls were maintained at the position of maximum and/or optimum gain throughout the testing.

Measurement results, unless otherwise noted, are worst-case measurements.

### A2LA



"A2LA has accredited M. Flom Associates, Inc. Chandler, AZ for technical competence in the field of Electrical Testing. The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO/IEC 17025 – 1999 'General Requirements for the Competence of Testing and Calibration Laboratories' and any additional program requirements in the identified field of testing."

Certificate Number: **2152-01**

<b>Name of Test:</b>	R.F. Radiation Exposure		
FCC Rules:	1.1307, 1.1310, 1.1311, 2.1091		
Description, EUT:	See page 2 of Test Report		
Limits: Uncontrolled Exposure	0.3-1.234 MHz:	Limit [mW/cm <sup>2</sup> ] = 100	
47 CFR 1.1310	1.34-30 MHz:	Limit [mW/cm <sup>2</sup> ] = (180/f <sup>2</sup> )	
Table 1, (B)	30-300 MHz:	Limit [mW/cm <sup>2</sup> ] = 0.2	
	300-1500 MHz:	Limit [mW/cm <sup>2</sup> ] = f/1500	
	1500-100,000 MHz:	Limit [mW/cm <sup>2</sup> ] = 1.0	
Test Frequencies, MHz	118		
Power, Conducted, W	= 22.4		
Antenna Gain	= 0 dB		
Antenna Model	N/A		
Calculations	Power <sub>[W EIRP]</sub> = P <sub>[conducted]</sub> x G <sub>[antenna]</sub>	=	22.4
	Limit <sub>[mW/cm<sup>2</sup>]</sub>	=	0.2
	Limit <sub>[W/m<sup>2</sup>]</sub> = 10 x Limit <sub>[mW/cm<sup>2</sup>]</sub>	=	2.0
	R <sub>[m]</sub> = [P <sub>[W EIRP]</sub> / (4π x Limit <sub>[W/m<sup>2</sup>]</sub> )] <sup>1/2</sup>	=	0.944