

## ENVIRONMENTAL QUALIFICATION FORM

**NOMENCLATURE:** VOR, LOC, GS Antenna

**TYPE/MODEL/PART NO.:** AV-525

**TSO NO.:** C34e, C36e, C40c

**MANUFACTURE'S SPECIFICATION AND/OR OTHER APPLICABLE**

**SPECIFICATION:** AV-525 PRODUCT DRAWING PACKAGE AND ELECTRICAL TEST SPECIFICATION

**MANUFACTURER:** RAMI (R.A. MILLER INDUSTRIES INC.)

**ADDRESS:** 14500 168TH AVE., GRAND HAVEN, MI 49417

**REVISION & CHANGE NUMBER OF DO-160:** "G", SC-135

**DATE TESTED:** August 2011

CONDITIONS	SECTION	DESCRIPTION OF TESTS CONDUCTED
Temperature and Altitude	4.0	Equipment tested to Category [D2]
Low Temperature	4.5.1	
High Temperature	4.5.2 & 4.5.3	
In-Flight Loss of Cooling	4.5.4	Equipment Identified as Category X, no test performed for this condition.
Altitude	4.6.1	
Decompression	4.6.2	N/A
Overpressure	4.6.3	N/A
Temperature Variation	5.0	Equipment tested to Category S2.
Humidity	6.0	Equipment tested to Category C.
Operational Shock and Crash Safety	7.0	Equipment tested to Category A.
Vibration	8.0	Equipment tested to Category S.

CONDITIONS	SECTION	DESCRIPTION OF TESTS CONDUCTED
Explosion	9.0	Equipment identified as Category X, no tests performed in this section.
Waterproofness	10.0	Equipment tested to Category S.
Fluids Susceptibility	11.0	Equipment identified as Category X, no tests performed in this section.
Sand and Dust	12.0	Equipment tested to Category D.
Fungus	13.0	Equipment identified as Category X, no tests performed in this section.
Salt Spray	14.0	Equipment tested to Category S.
Magnetic Effect	15.0	Equipment identified as Category X, no tests performed in this section.
Power Input	16.0	Equipment identified as Category X, no tests performed in this section.
Voltage Spike	17.0	Equipment identified as Category X, no tests performed in this section.
Audio Frequency Susceptibility	18.0	Equipment identified as Category X, no tests performed in this section.
Induced Signal Susceptibility	19.0	Equipment identified as Category [XX], no tests performed in this section.
Radio Frequency Susceptibility	20.0	Equipment identified as Category [XX], no tests performed in this section.
Radio Frequency Emission	21.0	Equipment identified as Category X, no tests performed in this section.
Lighting Induced Transient Susceptibility	22.0	Equipment identified as Category [XXXXX], no tests performed in this section.
Lighting Direct Effects	23.0	Equipment identified as Category [XXXX], no tests performed in this section.

CONDITIONS	SECTION	DESCRIPTION OF TESTS CONDUCTED
Icing	24.0	Equipment identified as Category A.
Electrostatic Discharge	25.0	Equipment identified as Category X, no tests performed in this section.
Fire, Flammability	26.0	Equipment identified as Category X, no tests performed in this section.

REMARKS: \_\_\_\_\_

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