

**ENVIRONMENTAL QUALIFICATION FORM**

**NOMENCLATURE:** DME/TRANSPONDER ANTENNA

**TYPE/MODEL/PART NO.:** AV-74

**TSO NO.:** C66c, C74c

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

**SPECIFICATION:** AV-74 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:** "D", SC-135

**DATE TESTED:** May 29, 2003

<b>CONDITIONS</b>	<b>SECTION</b>	<b>DESCRIPTION OF TESTS CONDUCTED</b>
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
Altitude	4.6.1	
Decompression	4.6.2	
Overpressure	4.6.3	
Temperature Variation	5.0	Equipment tested to Category A
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 [SXX]

<b>CONDITIONS</b>	<b>SECTION</b>	<b>DESCRIPTION OF TESTS CONDUCTED</b>
Explosion	9.0	Equipment identified as Category X. No test required
Waterproofness	10.0	Equipment tested to Category S
Fluids Susceptibility	11.0	Equipment identified as Category X. No test required
Sand and Dust	12.0	Equipment tested to Category D
Fungus	13.0	Equipment identified as Category F. No test required
Salt Spray	14.0	Equipment tested to Category S
Magnetic Effect	15.0	Equipment identified as Category X. No test required
Power Input	16.0	Equipment identified as Category X. No test required
Voltage Spike	17.0	Equipment identified as Category X. No test required
Audio Frequency Susceptibility	18.0	Equipment identified as Category X. No test required
Induced Signal Susceptibility	19.0	Equipment identified as Category X. No test required
Radio Frequency Susceptibility	20.0	Equipment identified as Category [XXX]. No test required
Radio Frequency Emission	21.0	Equipment identified as Category X. No test required
Lighting Induced Transient Susceptibility	22.0	Equipment identified as Category [XXXX]. No test required
Lighting Direct Effects	23.0	Equipment tested to Category [2A]. 09/26/2018

<b>CONDITIONS</b>	<b>SECTION</b>	<b>DESCRIPTION OF TESTS CONDUCTED</b>
Icing	24.0	Equipment identified as Category X. No test required
Electrostatic Discharge	25.0	Equipment identified as Category X. No test required

Other Tests

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