

**ENVIRONMENTAL QUALIFICATION FORM**

**NOMENCLATURE:** RADIO ALTIMETER ANTENNA (incomplete system)

**TYPE/MODEL/PART NO:** AV-601

**TSO NO:** C87a

**MANUFACTURE'S SPECIFICATION AND/OR OTHER APPLICABLE SPECIFICATION:**  
AV-601 PRODUCT DRAWING PACKAGE & 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, Change 1, December 16, 2014

**DATE TESTED:** March- April 2017

<b>CONDITIONS</b>	<b>SECTION</b>	<b>DESCRIPTION OF TEST CONDUCTED</b>
Temperature & Altitude	4.0	Category [F2]
Ground Survival & Short-Time Operating Low Temp Test	4.5.1	Category X (No testing Performed)
Operating Low Temp Test	4.5.2	Category [F2]
Ground Survival & Short-Time Operating High Temp Test	4.5.3	Category X (No testing Performed)
Operating High Temp Test	4.5.4	Category [F2]
In-Flight Loss of Cooling	4.5.5	Category X (No test Performed)
Altitude	4.6.1	Category [F2]
Decompression	4.6.2	Category X (No test Performed)
Overpressure	4.6.3	Category X (No test Performed)
Temp Variation	5.0	Category S2
Humidity	6.0	Category C
Operational Shock & Crash Saf	7.0	Category A
Vibration	8.0	Category U
Explosion	9.0	Category X (No test Performed)

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<b>CONDITIONS</b>	<b>SECTION</b>	<b>DESCRIPTION OF TEST CONDUCTED</b>
Waterproofness	10.0	Category S
Fluid Susceptibility	11.0	Category X (No test Performed)
Sand & Dust	12.0	Category X (No test Performed)
Fungus	13.0	Category F (No test Performed)
Salt Spray	14.0	Category S
Magnetic Effect	15.0	Category X (No test Performed)
Power Input	16.0	Category X (No test Performed)
Voltage Spike	17.0	Category X (No test Performed)
Audio Frequency Susceptibility	18.0	Category X (No test Performed)
Induced Signal Susceptibility	19.0	Category X (No test Performed)
Radio Frequency	20.0	Category X (No test Performed)
Radio Frequency Emmission	21.0	Category X (No test Performed)
Lightning Induced Transient Susceptibility	22.0	Category X (No test Performed)
Lightning Direct Effects	23.0	Category X (No test Performed)
Icing	24.0	Category X (No test Performed)
Electrostatic Discharge	25.0	Category X (No test Performed)
Fire, Flammability	26.0	Category X (No test Performed)

Other Tests: None

**REMARKS:**

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