

## ENVIRONMENTAL QUALIFICATION FORM

**NOMENCLATURE:** DIPLEXER

**TYPE/MODEL/PART NO.:** AV-930

**TSO NO.:** N/A

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

**SPECIFICATION:** AV-930 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

<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	(In Flight loss of cooling test is not applicable)
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 B
Vibration	8.0	Equipment tested to Category S

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

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

Other Tests

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