

Environmental Specifications of Pharad's Gooseneck Antennas

Pharad's gooseneck antennas have undergone environmental testing and demonstrated compliance with the following environmental specifications:

Test	MIL-STD-810F Method	Notes
High/Low Temperature	502.4 Proc. I+II	-40°C for 4 hrs (Storage + Operation)
	501.4 Proc. II	71°C for 4 hrs (Operation)
	501.4 Proc. I	85°C for 4 hrs (Storage)
Humidity	507.4	
Immersion	512.4 Proc. I	40 inches (1m) for 30 mins
Transit Drop	516 Proc. IV	26 x 48 inches

High Temperature - Operating

The gooseneck antennas meet the requirements of constant high temperature exposure at 71 °C in accordance with the procedures of MIL-STD-810F, Method 501.4, Procedure II.

Low Temperature - Operating

The gooseneck antennas meet the requirements of constant low temperature exposure at -40 °C in accordance with the procedures of MIL-STD-810F, Method 502.4, Procedure II.

High Temperature - Storage

The gooseneck antennas meet the requirements of constant high temperature storage at 85 °C in accordance with the procedures of MIL-STD-810F, Method 501.4, Procedure I, with a 4-hour temperature soak.

Low Temperature - Storage

The gooseneck antennas meet the requirements of constant low temperature storage at -40 °C in accordance with the procedures of MIL-STD-810F, Method 502.4, Procedure I, with a 4-hour temperature soak.

Humidity Testing

The gooseneck antennas meet the requirements of exposure to 95 % relative humidity in accordance with the procedures of MIL-STD-810F, Method 507.4, Procedure 4.5.2, for one 48-hour cycle. The temperature profile shown below was applied.

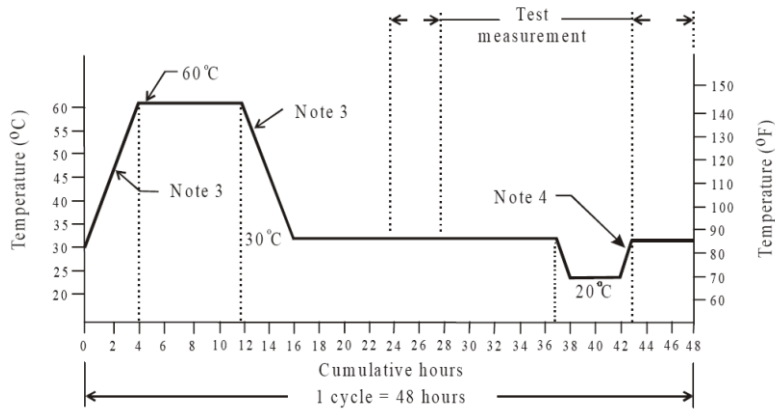


Figure 1 Temperature profile for humidity testing (relative humidity = 95 %)

Immersion

The gooseneck antennas meet the requirements of being subject to 30 minutes immersion at 1 meter water depth in accordance with the procedures of MIL-STD-810F, Method 512.4, Procedure I.

Transit Drop

The gooseneck antennas meet the requirements of maintaining structural and functional integrity after exposure to being dropped from a height of 48 inches over 26 drop cycles in accordance with the procedures of MIL-STD-810F, Method 516, Procedure IV.