

## ENVIRONMENTAL QUALIFICATION FORM

NOMENCLATURE: Marker Beacon Antenna

TYPE / MODEL / PART NO: AV-569 TSO NO: C35d

MANUFACTURE'S SPECIFICATION AND / OR OTHER APPLICABLE SPECIFICATION: AV-569  
Product Drawing Package and Electrical Test Specification

MANUFACTURE: R. A. Miller Industries Inc.

ADDRESS: 14500 168<sup>th</sup> Avenue, Grand Haven, MI 49417

CONDITIONS	SECTION	DESCRIPTION OF CONDUCTED TESTS
TEMPERATURE AND ALTITUDE	4.0 REV. 1	EQUIPMENT TESTED TO CATEGORY D2
LOW TEMPERATURE HIGH TEMPERATURE IN-FLIGHT LOSS OF COOLING	4.5.1 4.5.2 & 4.5.3 4.5.4	(IN-FLIGHT LOSS OF COOLING TEST IS NOT APPLICABLE)
ALTITUDE DECOMPRESSION OVERPRESSURE	4.6.1 4.6.2 4.6.3	
TEMPERATURE VARIATION	5.0	EQUIPMENT TESTED TO CATEGORY A
HUMIDITY	6.0	EQUIPMENT TESTED TO CATEGORY C
SHOCK	7.0	EQUIPMENT TESTED TO OPERATIONAL TEST ONLY
OPERATIONAL CRASH SAFETY	7.2 7.3	
VIBRATION	8.0	EQUIPMENT TESTED TO CATEGORY S
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

ENVIRONMENTAL QUALIFICATION FORM – CONTINUED

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 X – NO TEST REQUIRED
RADIO FREQUENCY EMISSION	21.0	EQUIPMENT IDENTIFIED AS CATEGORY X – NO TEST REQUIRED
LIGHTNING INDUCED TRANSIENT SUSCEPTIBILITY	22.0	EQUIPMENT IDENTIFIED AS CATEGORY X – NO TEST REQUIRED
LIGHTNING DIRECT EFFECTS TEST	23.0	EQUIPMENT IDENTIFIED AS CATEGORY X – NO TEST REQUIRED
ICING	24.0	EQUIPMENT IDENTIFIED AS CATEGORY X – NO TEST REQUIRED
OTHER TEST		