

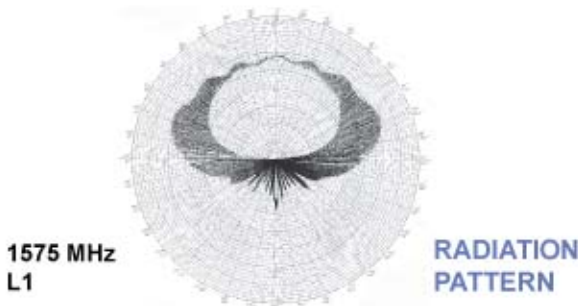
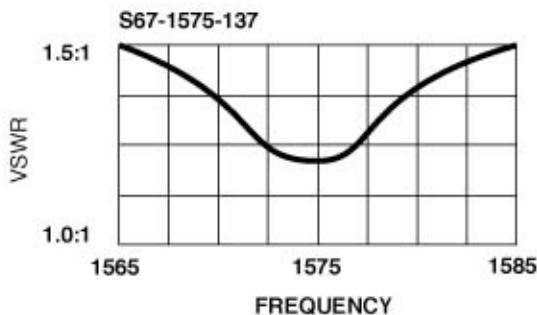


## DESCRIPTION

**S67-1575-137:** Active antenna is certified to the requirements of DO-301 and is approved for TSO C190 operation in WAAS Beta 3 applications. The low profile with advanced radome design and material, offers enhanced protection against rain, ice and lightning strikes.

**FEDERAL & MILITARY SPECS:** FAA TSO C129a, C144, C190, DO-160, DO-301, MIL-STD-810, MIL-DTL-5541, MIL-HDBK-5400.

## PERFORMANCE



## SPECIFICATIONS

### GPS S67-1575-137

#### ELECTRICAL

Frequency .....	1575.42 ±10.23 MHz
VSWR .....	≤1.5:1
Polarization .....	RHCP
Impedance .....	50 ohms
Axial Ratio .....	≤3.0 dB @ Zenith
Antenna Gain (Typ) .....	3 dBic @ Zenith
Gain Coverage (min) .....	-1.0 dBic 0° ≤ θ ≤ 75° -2.5 dBic 75° < θ ≤ 80° -4.5 dBic 80° < θ ≤ 85° -7.5 dBic θ = 90° @ Horizon
Gain (preamp) .....	29.5 ±3 dB
G/T .....	-31.6 dB/k
<b>Differential Group</b>	
Delay .....	<25nS
Power Handling .....	1 watt
Voltage .....	+4 to +24 VDC
Current .....	<60 mA
Lightning Protection .....	DC grounded

#### MECHANICAL

Weight .....	8 oz.
Height .....	0.73 in.
Width .....	N/A
Length .....	N/A
Diameter .....	3.50 in.
Material .....	6061-T6 aluminum / thermoset plastic
Finish .....	Skydrol resistant polyurethane enamel
Connector .....	TNC

#### ENVIRONMENTAL

Temperature .....	-67°F to +158°F
Vibration .....	10 G's
Altitude .....	-100 to 55,000 ft.

## OUTLINE DRAWING

