

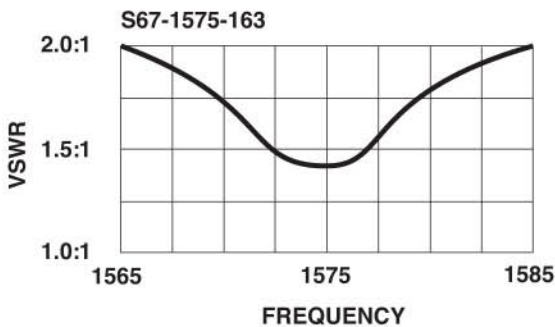


## DESCRIPTION

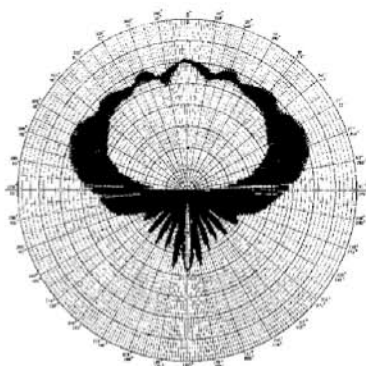
S67-1575-163: Low-profile dual-band active antenna provides continuous Tx/Rx Iridium band coverage from 1610 to 1626 MHz. The GPS port features a +33 dB LNA with special filtering, the internal voltage regulator accepts a DC bias of +4 to +28VDC through the coax connector.

**FEDERAL & MILITARY SPECS:** DO-160C, MIL-C-5541, MIL-E-5400, MIL-STD-810, TSO-C129a.

## PERFORMANCE



## RADIATION PATTERN



1565 - 1626.5 MHz

SPECIFICATIONS	IRIDIUM / GPS
<b>MODEL</b>	<b>S67-1575-163</b>
<b>ELECTRICAL</b>	
<b>Frequency</b>	J1 :Tx/Rx 1610.0 - 1626.5 MHz J2: Rx 1565.0 - 1585.0 MHz
<b>VSWR</b>	J1: < 1.5:1 J2: < 2.0:1
<b>Polarization</b>	RHCP
<b>Impedance</b>	50 Ohms
<b>Power Handling</b>	J1: 60 Watts CW J2: 1 Watt
<b>Gain</b>	-1.0 dBic 0° ≤ θ ≤ 75° -2.5 dBic 75° < θ ≤ 80° -4.5 dBic 80° < θ ≤ 85° -7.5 dBic θ = 90° @ Horizon
<b>Gain (Pre-amplifier)</b>	33.0 ±3 dB
<b>Voltage</b>	+4 TO +24 VDC
<b>Lightning Protection</b>	J1 & J2: DC Grounded
<b>MECHANICAL</b>	
<b>Weight</b>	13 oz.
<b>Height</b>	.812 in.
<b>Length</b>	7.85 in.
<b>Width</b>	3.00 in.
<b>Material</b>	6061-T6 aluminum
<b>Finish</b>	Skydrol-resistant enamel
<b>Connectors</b>	J1: Type "N" Female J2: Type "TNC" Female
<b>ENVIRONMENTAL</b>	
<b>Temperature</b>	-55°C (-67°F) TO +85°C (+185°F)
<b>Vibration</b>	10 G's
<b>Altitude</b>	-100 to 55,000 ft

## OUTLINE DRAWING

