



DESCRIPTION

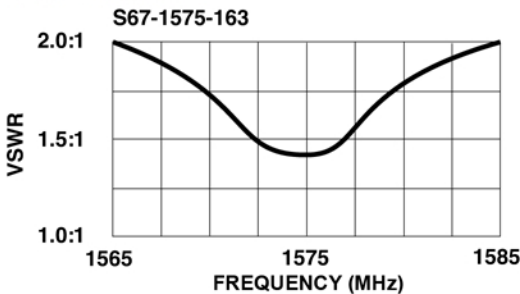
S67-1575-163: Low-profile Iridium/GPS dual-band antenna provides continuous Tx/Rx Iridium frequency band coverage from 1610 to 1626.5 MHz. The GPS L1 port features a 33 dB LNA with special filtering.

The S67-1575-163 is approved as Iridium Compatible Equipment (ICE).

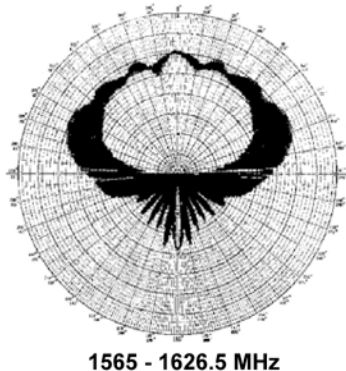


FEDERAL & MILITARY SPECS: DO-160, TSO-C129a, MIL-HDBK-5400, MIL-STD-810.

PERFORMANCE



RADIATION PATTERN



SPECIFICATIONS	
MODEL	S67-1575-163
ELECTRICAL	
Frequency	J1: Tx/Rx 1610.0 - 1626.6 MHz J2: Rx 1565.0 - 1585.0 MHz
VSWR	J1: $\leq 1.5:1$ J2: $\leq 2.0:1$
Polarization	RHCP
Impedance	50 Ohms
Power Handling	J1: 60 Watts CW J2: 1 Watt
Gain	-1.0 dBic $0^\circ \leq \theta \leq 75^\circ$ -2.5 dBic $75^\circ < \theta \leq 80^\circ$ -4.5 dBic $80^\circ < \theta \leq 85^\circ$ -7.5 dBic $\theta = 90^\circ$ @ Horizon
Gain (Preamplifier)	33.0 \pm 3 dB
Voltage	+4 TO +24 VDC @ 45 mA
Lightning Protection	DC Grounded
MECHANICAL	
Weight	13 oz.
Height	.812 in.
Length	7.85 in.
Width	3.00 in.
Material	6061-T6 Aluminum Alloy / Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel
Connectors	J1: N Female J2: TNC Female
ENVIRONMENTAL	
Temperature	-55°C (-67°F) TO +85°C (+185°F)
Vibration	10 Gs
Altitude	-100 to 55,000 ft

