FRF-282

Features

- Efficient wideband blade antenna
- Omnidirectional coverage, peak near horizon
- Radome qualified to MIL-STD-810G for supersonic aircraft
- Integral rain erosion strip
- High power handling
- Low drag

Applications

- Airborne datalinks, with opmitized performance at TTNT bands
- Suitable for crewed or uncrewed aircraft
- Antenna can be repackaged into other radome and mounting flange configurations (requalification may be needed)

Performance Summary

Size	2.6″ × 5.4″ × 1.8″
Weight	<0.4 lbs
Power	100 W Average, 200W Peak
Connector	TNC Female
Mounting	Four #10-32 screws

Frequency	1350-2110 MHz [optimized] >900-2400 MHz [wideband]
Gain	>-1 dBi horizon / 2-3 dBi Peak
VSWR	<2.0:1
Polarization	Vertical
Altitude	-1300 to 70000 ft
Lightning	Zone 1A
Vibration / Shock:	22 Grms / 60 Gs

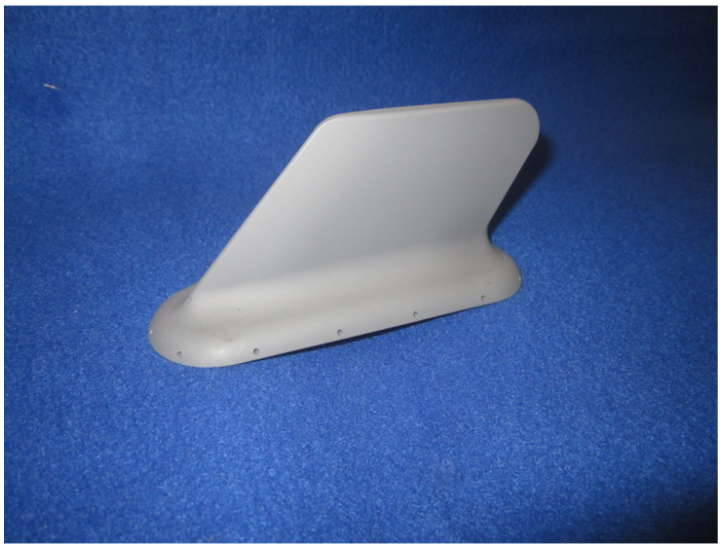

Figure 1. FRF-282 L-Band Blade Antenna

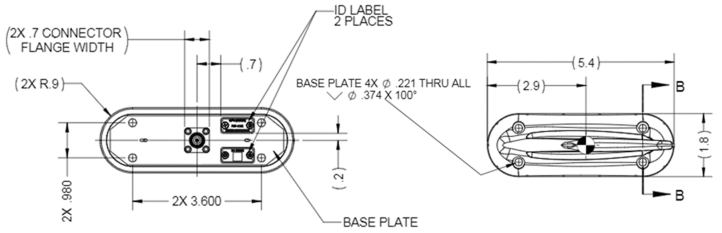

Figure 2. Mounting Flange ICD

General Description

The FRF-282 L-Band blade is designed for the twin demands of top-tier performance and unwavering reliability needed for crewed tactical aircraft, including supersonic fighters. This antenna has optimized performance in the TTNT frequency allocations, but has similar performance across greater bandwidth to support other bands as needed.

Please contact inquiries@firstrf.com for more details.

6150 Lookout Road Boulder, CO 80301
inquiries@firstrf.com
www.firstrf.com