

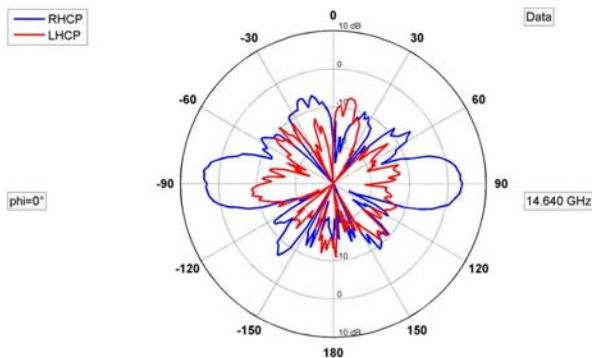
# FRF-181 SERIES DATA SHEET



FRF-180 Ku-band Antenna

## Description:

The FIRST RF Corporation FRF-180 antenna is a medium gain, omnidirectional antenna. The antenna is RHCP and tailored for airborne CDL data link applications, especially on UAV platforms.



Typical Elevation Pattern

## Performance Overview:

Frequency: 14.4-15.35 GHz

Gain: ~ 4-6 dBi

VSWR: 2:1 Max

Beamwidth:

- ~ 20° in elevation

Power Handling:

- 10W average

Nominal Impedance: 50 Ohms

Polarization: Right Hand Circular

## Environmental:

Operating Temperature: -55°C to +125°C

## Mechanical Overview:

Connector: SMA female

Physical Dimensions

- < 4.75" in length
- < 1.25" in diameter

Antenna Weight: < 0.5 lbs.