



# FRF-110LA

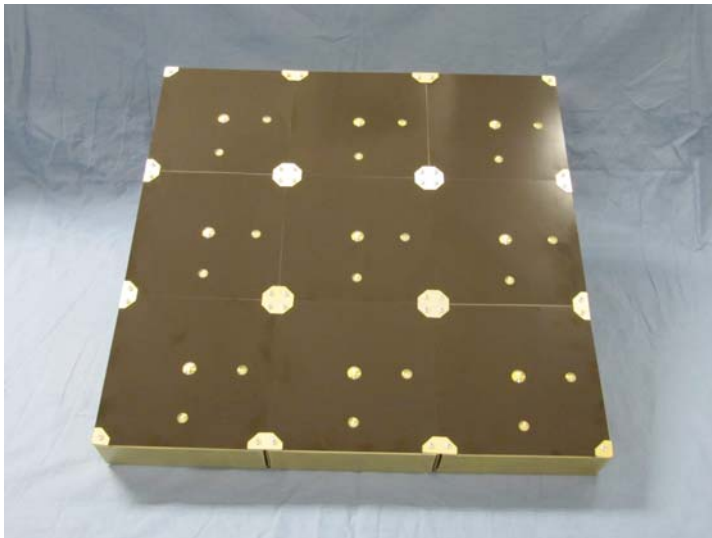
## DATA SHEET

Caption

### Description:

The FIRST RF Corporation FRF-110LA antenna is a high-gain, airborne UHF through L-Band SAR array. The antenna leverages the FRF-110 family of technologies into an array to provide a high-gain beam tailored for airborne SAR applications. This array is customized for UHF through L-Band SAR applications that need very high gain, and is designed to be lightweight and extremely low profile.

### RF Performance Overview:



FRF-110LA

### Antenna Information:

Frequency: UHF and L-band  
Gain: 5-15 dBi

VSWR: 3.0:1 Max

Power:  
• 100W avg.  
• 500W peak

Beamwidth: > 20° azimuth and elevation  
Isolation: > 15dB  
Front-to-Back: > 10dB

Nominal Impedance: 50 Ohms  
Polarization: Dual linear

### Environmental:

Designed to exceed MIL-STD-810F  
Temperature: -40-+71°C Operational

### Mechanical Overview:

Connectors: 2xN-Type female

Physical Dimensions

- Length: 20"
- Width: 20"
- Height: 3"

Antenna Weight: less than 15 lbs.