



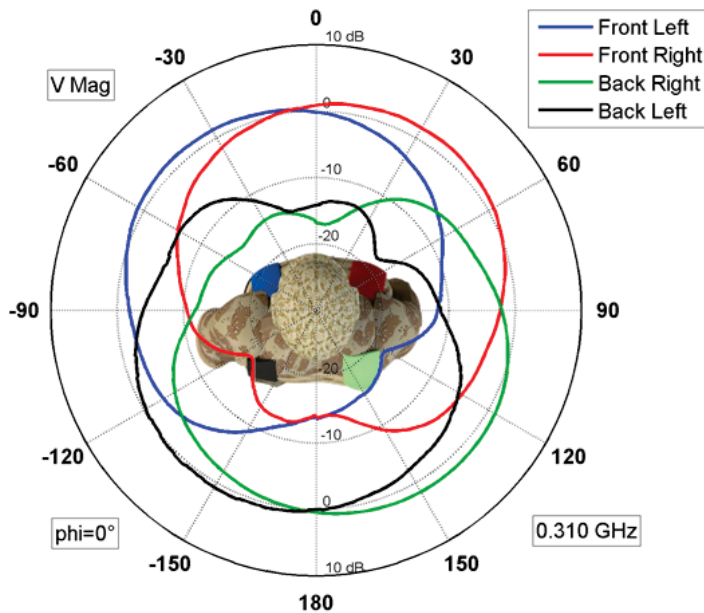
FRF-227

DATA SHEET

Description:

The FIRST RF Corporation FRF-227 antenna is a high-gain, flexible, body-wearable multi-function antenna array. The antenna system is tailored to provide complete transmit and receive coverage for VHF/UHF applications. The four flexible, fabric-based antennas unencumber the warfighter from the traditional whip-style antenna, while the array-architecture provides sufficient degrees of freedom to enable null- and beam-steering, direction-finding, and omni-directional communications.

RF Performance Overview:



FRF-227 typical vertically-polarized azimuthal gain pattern.



FRF-227L (left) and FRF-227M (right)

Antenna Information:

Frequency Band
FRF-227L: 100-500MHz
FRF-227M: 300-1000MHz
Typical Gain: 0dBi
VSWR: 3:1
Connector: QMA

Environmental:

Designed to exceed MIL-STD-810F
Temperature: -40 to +65°C Operational

Mechanical Overview:

Nominal dimensions (squishable)
FRF-227L: 18" x 0.5"
FRF-227M: 12" x 0.5"

Nominal Antenna Weight: <1.0lbs.