



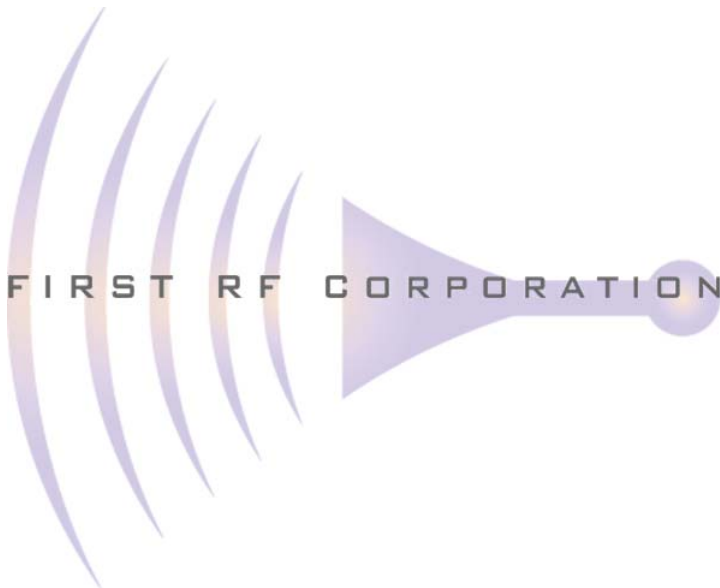
# FRF-105D-501

## DATA SHEET

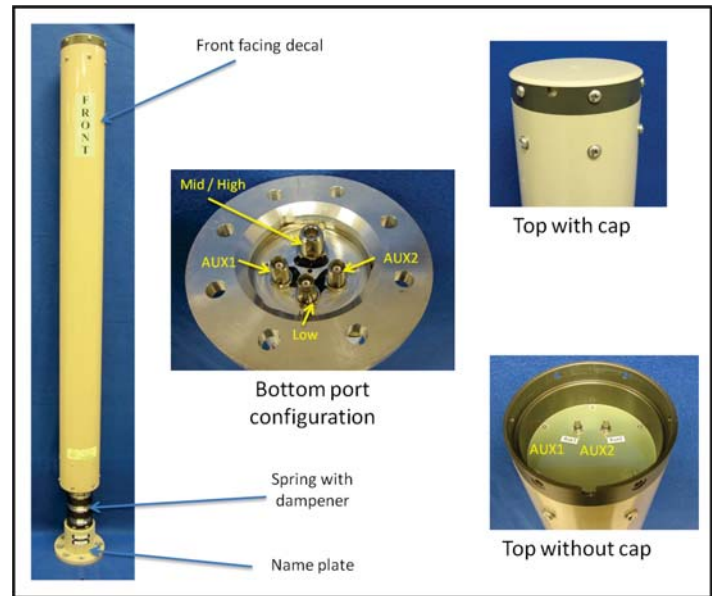
### Description:

The FIRST RF Corporation FRF-105D-501 antenna system is an omni-directional, high power VHF,UHF/L/S -Band antenna system suitable for installation on commercial and tactical wheeled vehicles. The product is an extension of the FRF-105 family of antennas and includes a "stackable" interface allowing future modules to be integrated for expanded functionality with easy integration. The antenna is available in both a ruggedized spring mount. The product is the latest version of the FRF-105 family of antennas which have been manufactured in high quantities. The antenna has been fielded in both fixed site and vehicular applications. The antenna system has gone through extensive environmental and performance testing to ensure reliability in the harshest environments. The spring mounted antenna meets MIL-STD-810F performance requirements and is designed to pass additional Munson road test conditions when suitably mounted on the vehicle platform.

### RF Performance Overview:



FRF-105D-501 Performance data available upon request.



FRF-105D-501

### Antenna Information:

Frequency Band: VHF/UHF,L,S  
Typical Gain: +0 dBIL  
VSWR: < 3.0:1  
Connectors: BNC - VHF  
N - UHF, L,S  
TNC - Aux 1 (auxillary port supports modules)  
TNC - Aux 2 (auxillary port supports modules)

### Environmental:

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

### Mechanical Overview:

Nominal height: < 55"  
Nominal Antenna Weight: 15 lbs  
Radome: Electrically Insulated to 10kV rms