



FRF-226

DATA SHEET

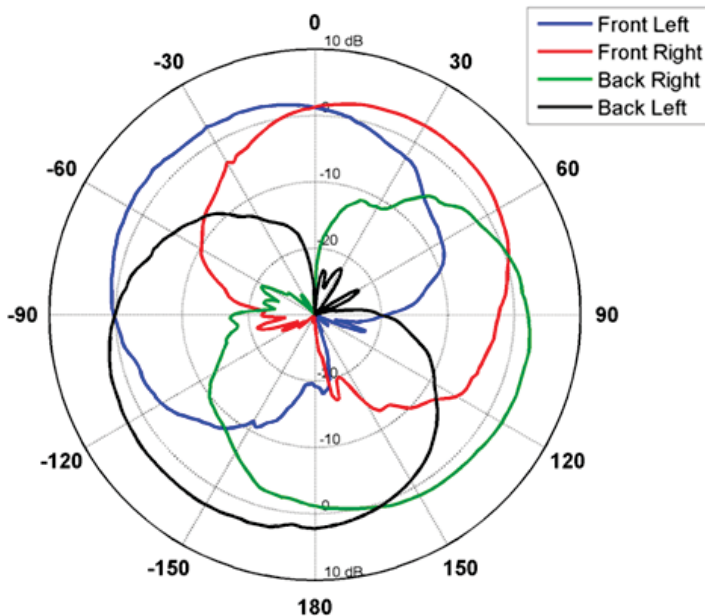
Description:

FIRST RF Corporation is developing body-worn 0.8 to 6 GHz antenna solutions. The conformal body-worn form factor antenna significantly reduces the visual signature and restriction of user movement common to most whip-type antennas.

A four element array-architecture provides sufficient degrees of freedom to enable null- and beam-steering, direction-finding, and omnidirectional communications. The antenna technology has also gone through extensive testing and analysis to ensure RF exposure levels are well below the occupational limits.

RF Performance Overview:

Typical Azimuth Pattern



Typical installed far-field radiation patterns of a four element array of FRF-226 elements.



FRF-226-500 (right) and FRF-226-501 (left)

Antenna Information:

Frequency Band:
FRF-226-500: 0.8-3GHz
FRF-226-501: 0.8-6GHz
Typical Gain: +3dBi
VSWR: 3:1
Connector: SMA

Environmental:

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

Mechanical Overview:

Nominal dimensions:
FRF-226-500: 2.6"×4.3"×0.7"
FRF-226-501: 3.1"×4.3"×0.7"

Nominal Antenna Weight: <0.5lb