MVDP400-444-4-D
400-444MHz
Full Duplex SF-STAR Antenna

The MVDP400-444-4-D antenna was designed for full-duplex communications allowing same frequency simultaneous transmission and reception (SF-STAR).

The antenna has state-of-the-art radiating elements with -35 to - 40dB port-to-port isolation and 4dBi of gain for maximum efficiency. Built robust and tough, this antenna is housed in a fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments and designed to meet the rigors of MIL-STD-810.

Features

- -35 to -40dB Port-to-Port Isolation
- Full Duplex
- Spatial Diversity
- MIMO

Electrical Specifications

Frequency	400-444MHz
Polarization	Vertical
Impedance	50Ω Nominal
VSWR	2:1 Typical, 2.5:1 max
Gain	4dBi
Radiation Pattern	Azimuth 360° Elevation 45°
Isolation	-35 to –40dB Avg.
Power	50 Watts
Connector	(2) Type N Female

Mechanical Specifications

Design	Dipole
Height	~83 in. (2.21m)
Radome	Fiberglass
Weight	8 lbs (3.63kg)
Mount	NATO 4 Bolt
Color	Black/Green/Tan/Grey/White

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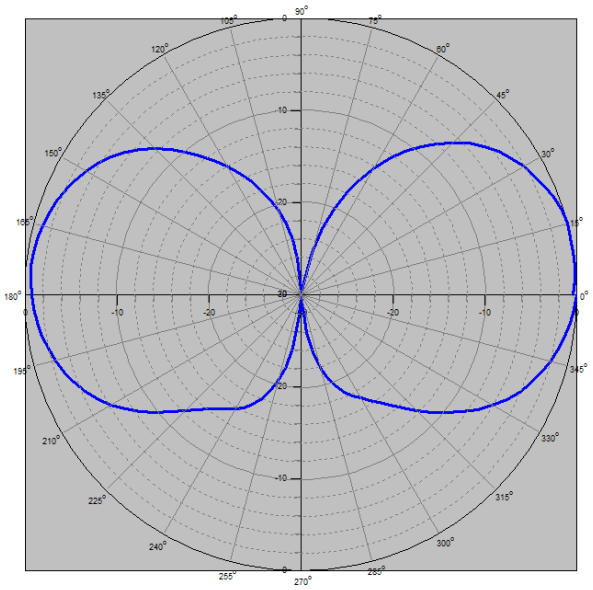
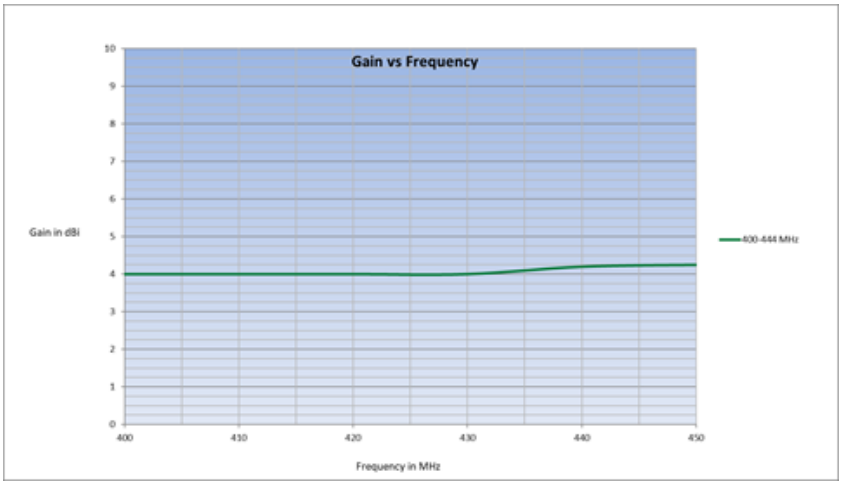
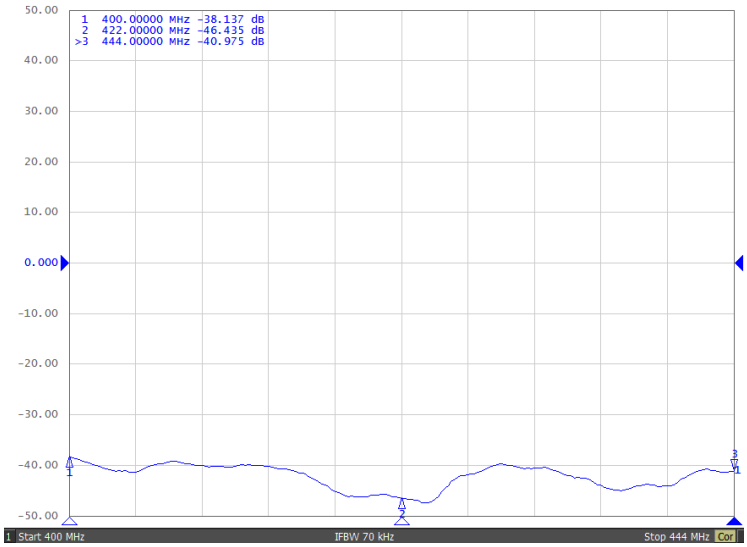
Pattern



Gain



Isolation



VSWR