

## Dual Polarization Omnidirectional Antenna



The FXDP4.4-4.9-9-D antenna is designed to be used in military, commercial, and other applications where reliability is needed most. This antenna works with all radios within the 4400-4900 MHz band.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance. Typical Port-to-Port Isolation ranges from 31 ~ 45 dB.

Being “ground independent”, this antenna can be used on all types of structures (metal or non-metal) with no degradation in performance.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.



Made in the USA  
ISO 9001:2008 Certified  
(1Y09700)

P.O. Box 909, Palmetto, Florida 34220-0909  
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# Dual Polarization Omnidirectional Antenna Specifications

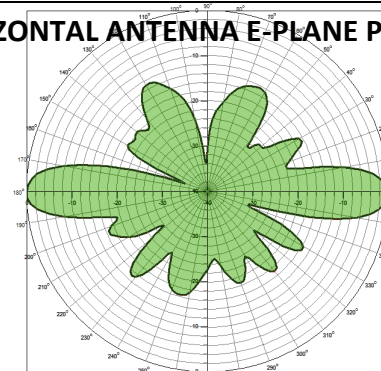
## ELECTRICAL:

Frequency Range:	4400-4900 MHz
Gain:	9 dBi +/- .5
VSWR:	2.0:1 Maximum
Input Impedance:	50 $\Omega$ Nominal
Power:	27 Watts
Polarization:	Horizontal & Vertical
Port-to-Port Isolation:	31 ~ 45 dB
Radiation Pattern:	Azimuth: 360° Elevation: 13°
DC Short:	Yes
Input Connector:	(2) Type N Female

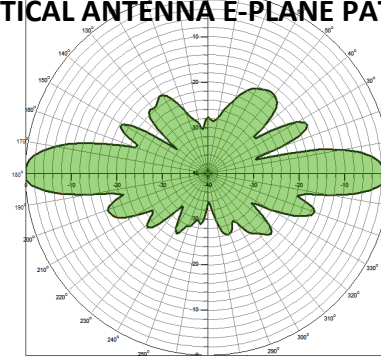
## MECHANICAL:

Overall Height:	40 in. (1.01 m)
Radome Diameter:	1.5 in. (38.1 mm)
Net Weight:	2.7 lb. (1.22 kg)
Operational Temps:	-40° to +185°F (-40° to +85°C)
Color:	Black/Green/Tan/Grey
Mounting:	UM007T or UM007F Mount (Sold Separately)

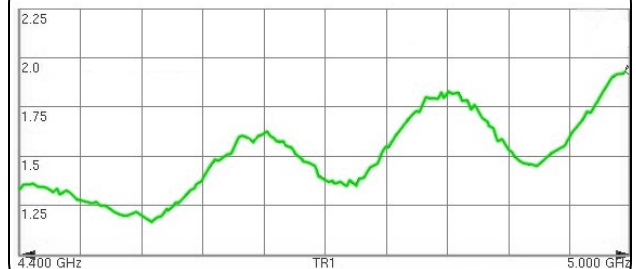
**HORIZONTAL ANTENNA E-PLANE PATTERN**



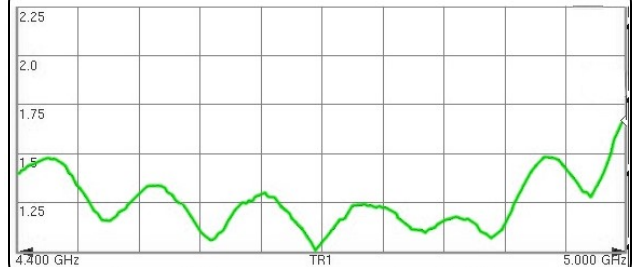
**VERTICAL ANTENNA E-PLANE PATTERN**



**HORIZONTAL ANTENNA VSWR**



**VERTICAL ANTENNA VSWR**



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**\*\*Specifications are subject to change without prior notice.**



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