



TECHNOLOGIES

TELECOMMUNICATION

DT Antenna Product



Parabolic Reflector Antenna

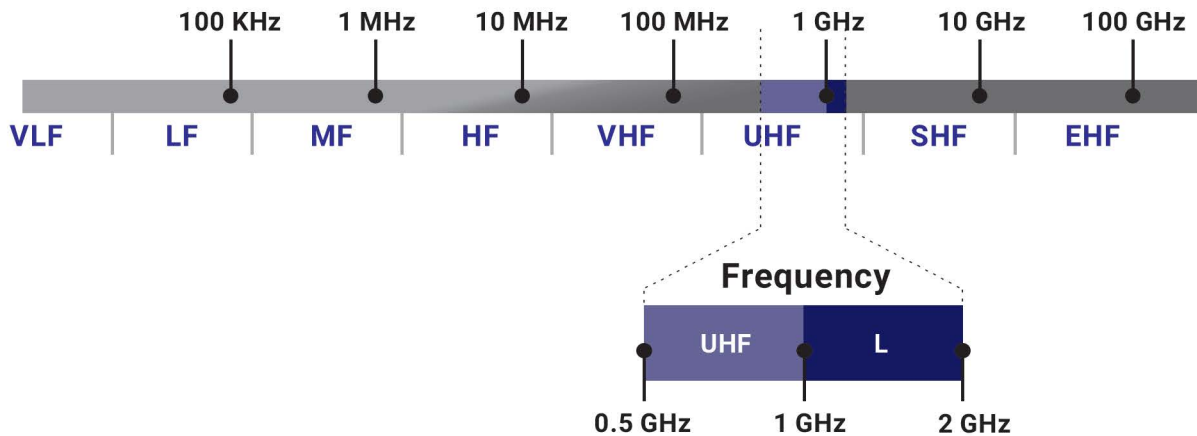
0.5 to 2 GHz

1.4m Reflector Diameter

Part Number: **PR-1400-PF-0.5-2-SL-NF**

Contents: Typical Gain / Antenna Factor

Typical Beamwidth / Patterns

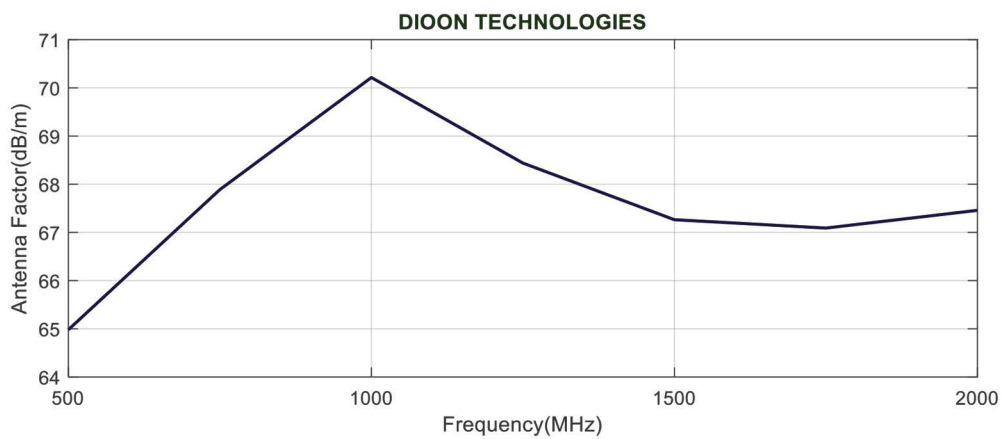
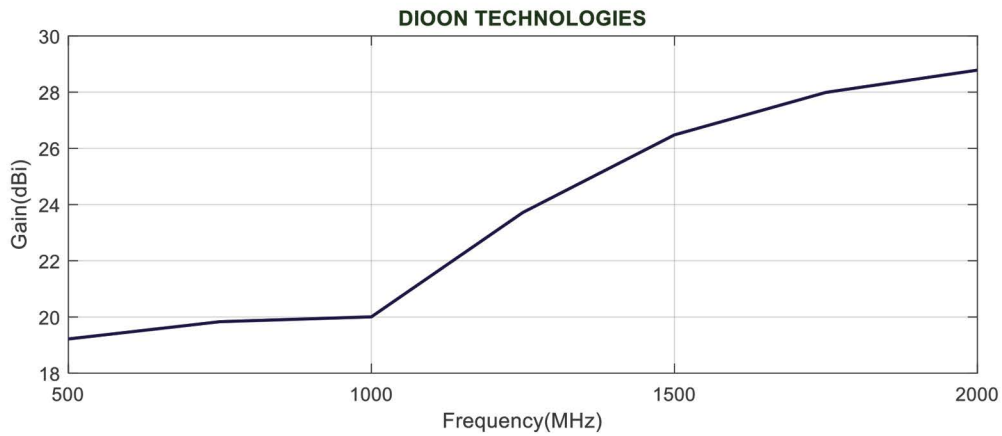


	Gain	Typically 19 ~ 29 dBi
	Power Handling	500 Watts c. w.
	VSWR	Typically <2.2:1
	Polarization	Single Linear
	3dB Beamwidth	5 to 17 degrees
	Connector Type	N Type Female
	Weight	≈ 20 kg
	Approximate Size	≈ Reflector diameter 1450mm maximum
	Construction	Aluminium reflector, powdercoat finish. Copper / brass / painted. engineering plastic feed horn.

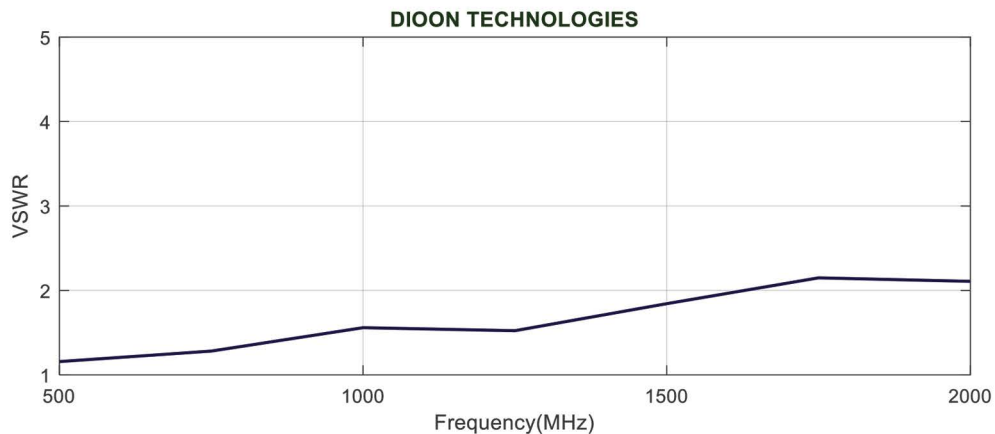
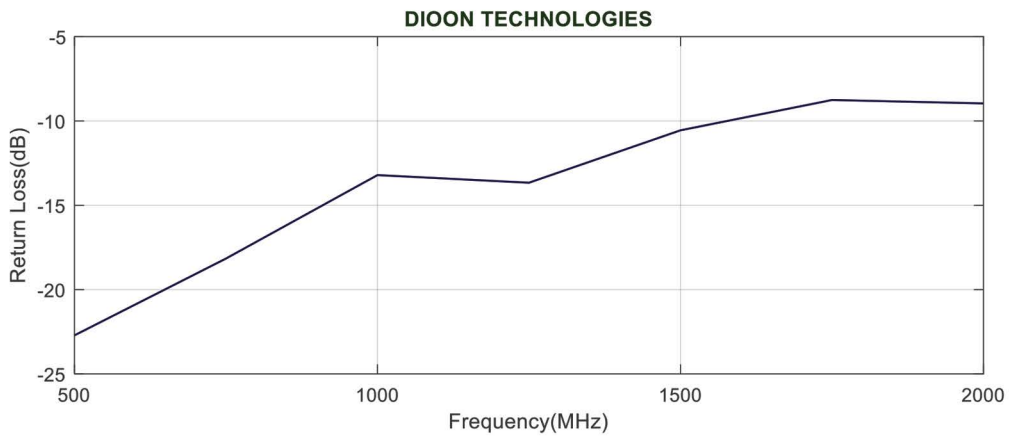


Typical Antenna Gain / Factor

This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.

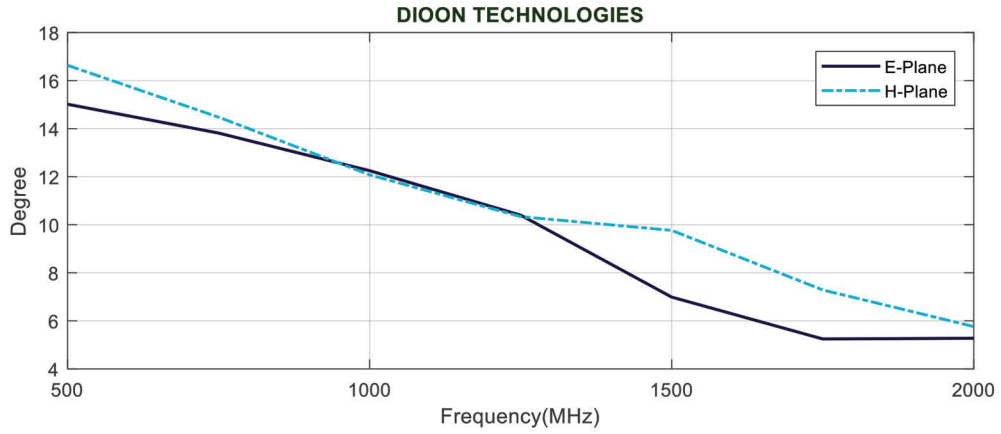


Typical Antenna Return Loss / VSWR



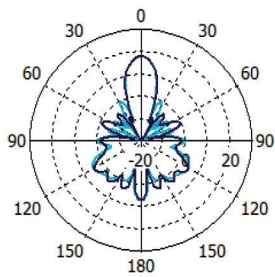


Typical Antenna HPBW



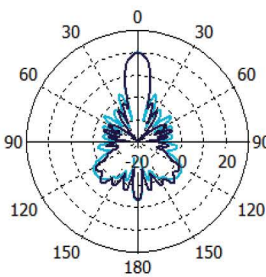
Farfield Directivity Abs (Phi= 0,90)

500 MHz



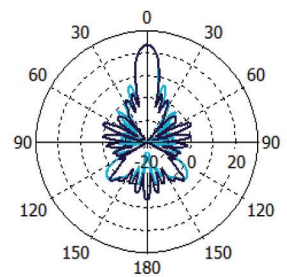
Theta / Degree vs. dB

1 GHz



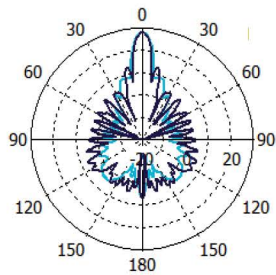
Theta / Degree vs. dB

1.3 GHz



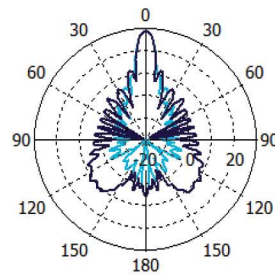
Theta / Degree vs. dB

1.7 GHz



Theta / Degree vs. dB

2 GHz



Theta / Degree vs. dB

— E-Plane
— H-Plane



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Phone: +1(949)508 0037
Email: Sales@dioon.us

DIOON TECHNOLOGIES

WWW.DIOON.US

The Advanced Way

United States Office
660 Wald, Irvine, CA92618