



TECHNOLOGIES

TELECOMMUNICATION

DT Antenna Product



Parabolic Reflector Antenna

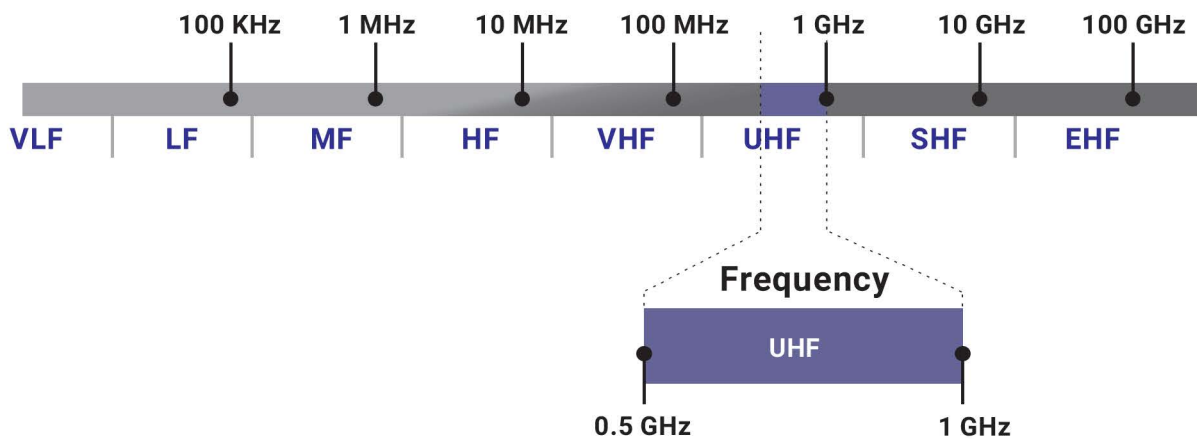
0.5 to 1 GHz

3m Reflector Diameter

Part Number: **PR-3000-PF-0.5-1-SL-NF**

Contents: Typical Gain / Antenna Factor

Typical Beamwidth / Patterns

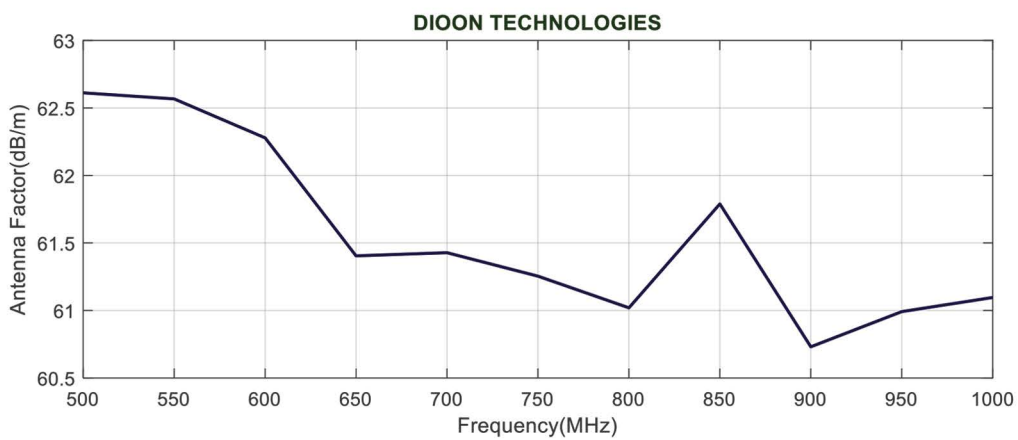
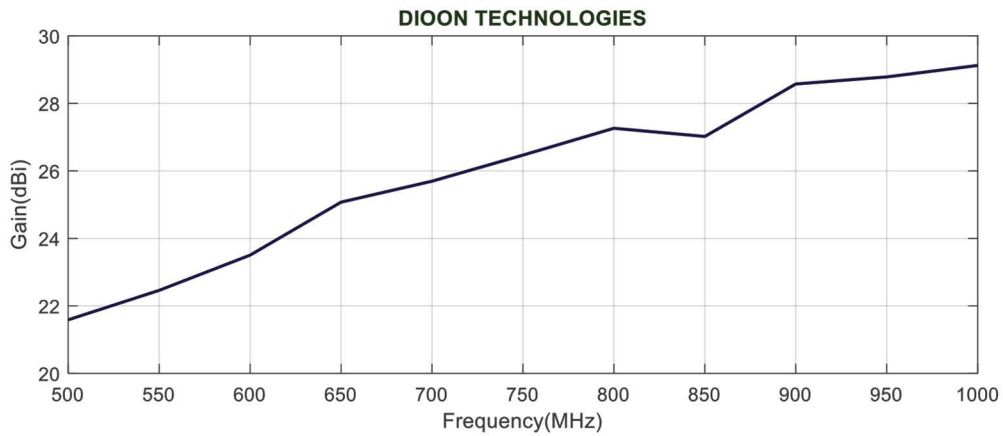


	Gain	Typically 22 ~ 29 dBi
	Power Handling	500 Watts c. w.
	VSWR	Typically <2.5:1
	Polarization	Single Linear
	3dB Beamwidth	4 to 12 degrees
	Connector Type	N Type Female
	Weight	≈ 80 kg
	Approximate Size	≈ Reflector diameter 3100 mm maximum
	Construction	Spun aluminium reflector with aluminium legs. Powdercoat finish. Composite feed, painted.

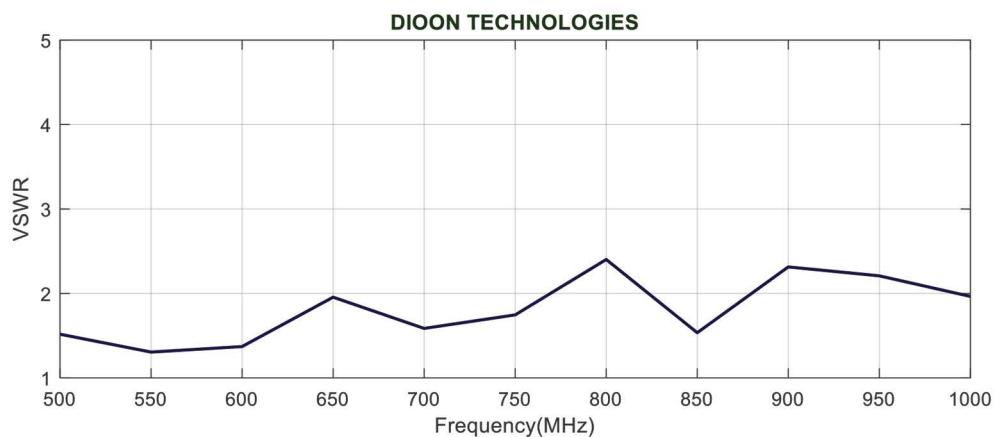
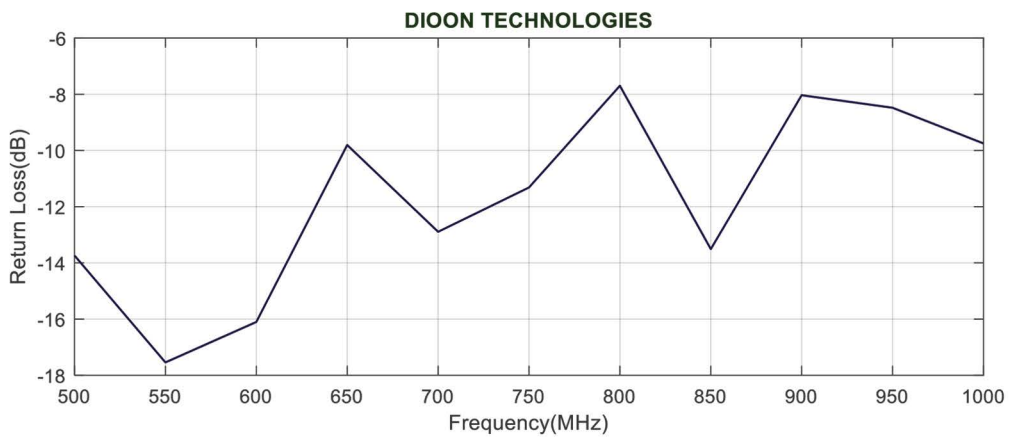


Typical Antenna Gain / Factor

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.

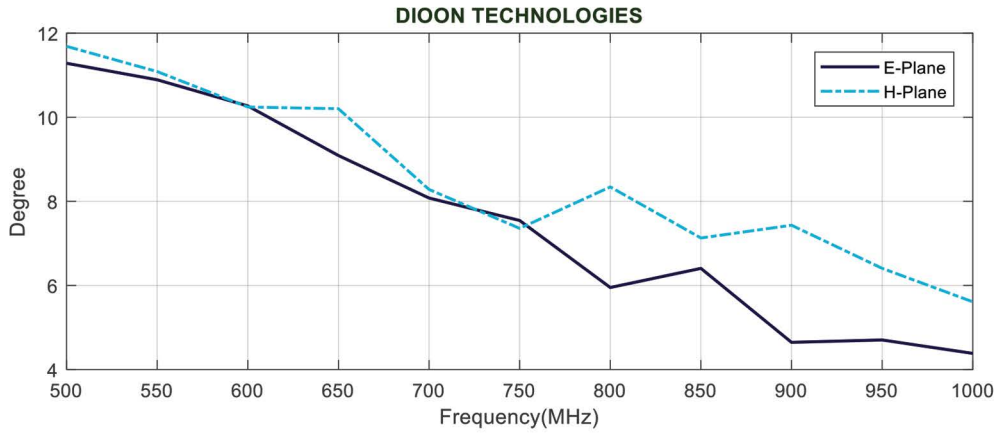


Typical Antenna Return Loss / VSWR



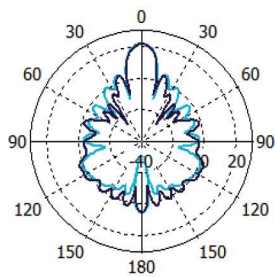


Typical Antenna HPBW



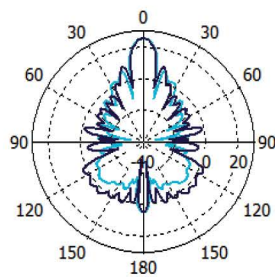
Farfield Directivity Abs (Phi= 0,90)

500 MHz



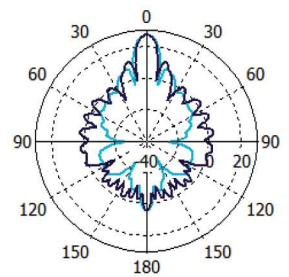
Theta / Degree vs. dB

650 MHz



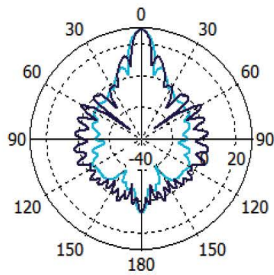
Theta / Degree vs. dB

800 MHz



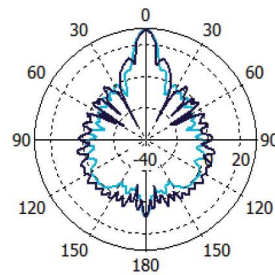
Theta / Degree vs. dB

900 MHz



Theta / Degree vs. dB

1 GHz



Theta / Degree vs. dB

— E-Plane
— H-Plane



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