TECHNOLOGIES

TELECOMMUNICATION

DT Antenna Product

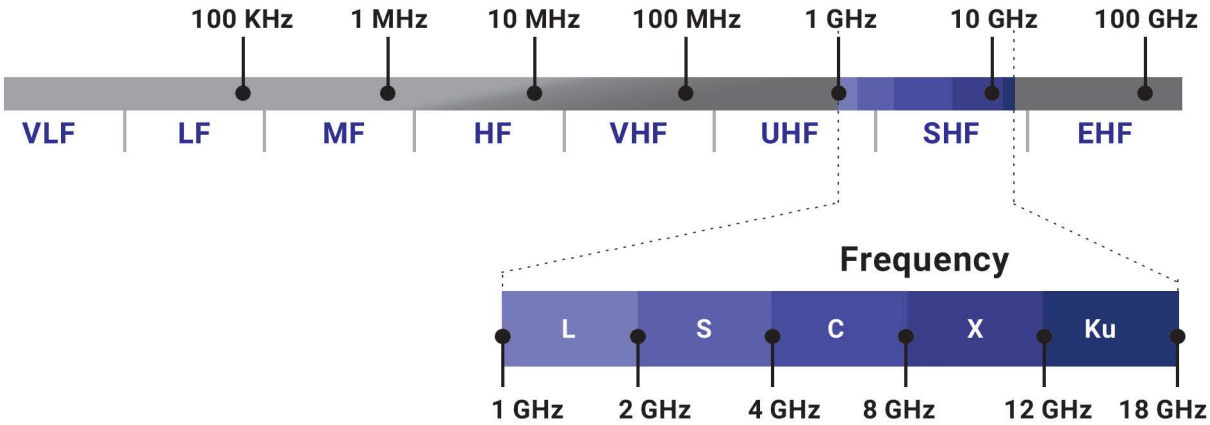
Dual Ridged Wideband Horn Antenna

1 to 18 GHz

Part Number: **WH-1-18-SL-SF**

Contents: **Typical Gain / Antenna Factor**

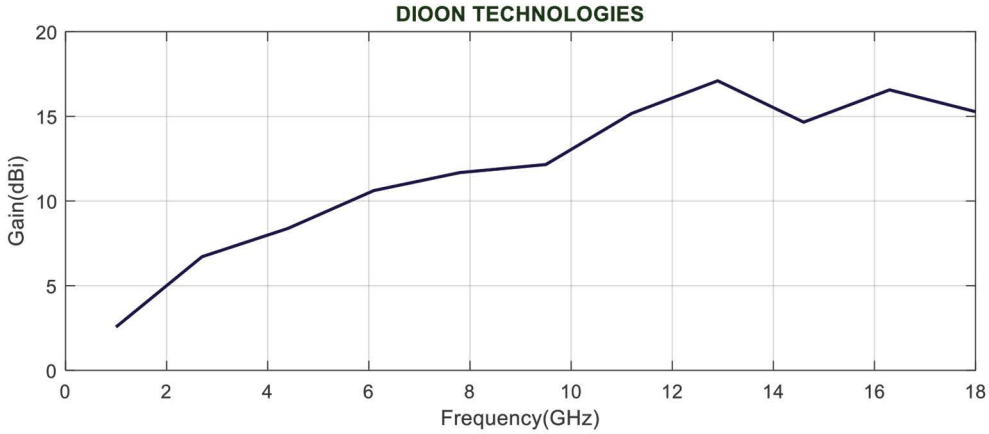
Typical Beamwidth / Patterns

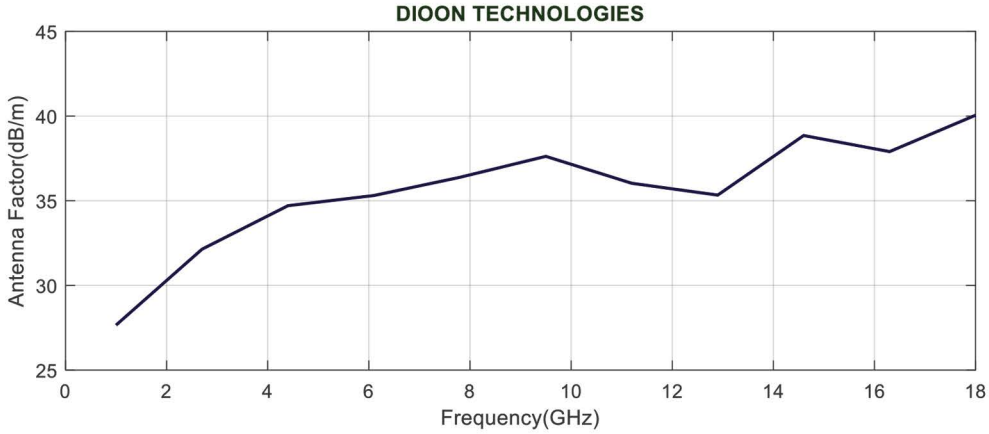


Gain	Typically 3 ~ 18 dBi
Power Handling	40 Watts c. w.
VSWR	Typically <2.5:1
Polarization	Single Linear
3dB Beamwidth	12 to 220 degrees
Connector Type	SMA Type Female
Weight	≈ 700 g
Approximate Size	≈ 250 mm × 140 mm × 220 mm
Construction	Aluminum, Painted

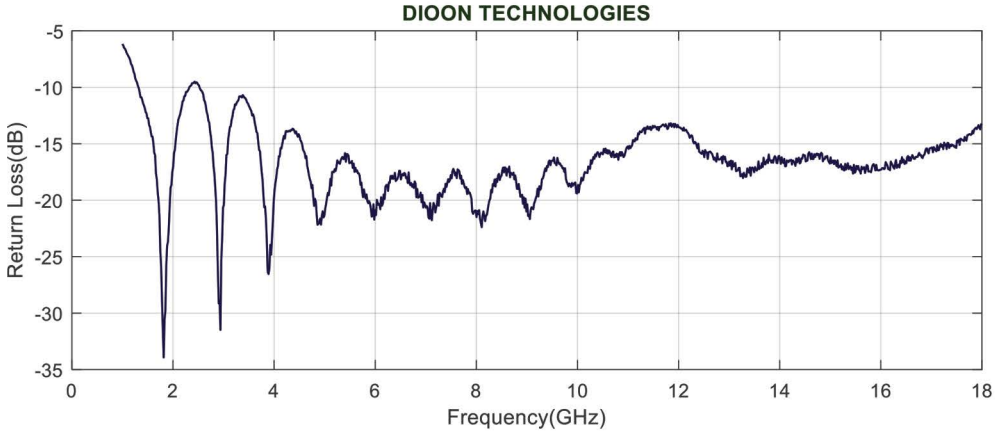
Typical Antenna Gain / Factor

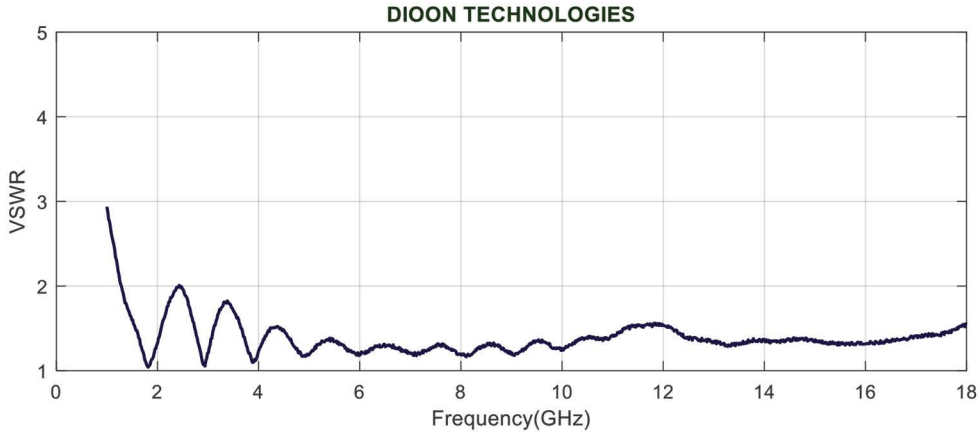
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



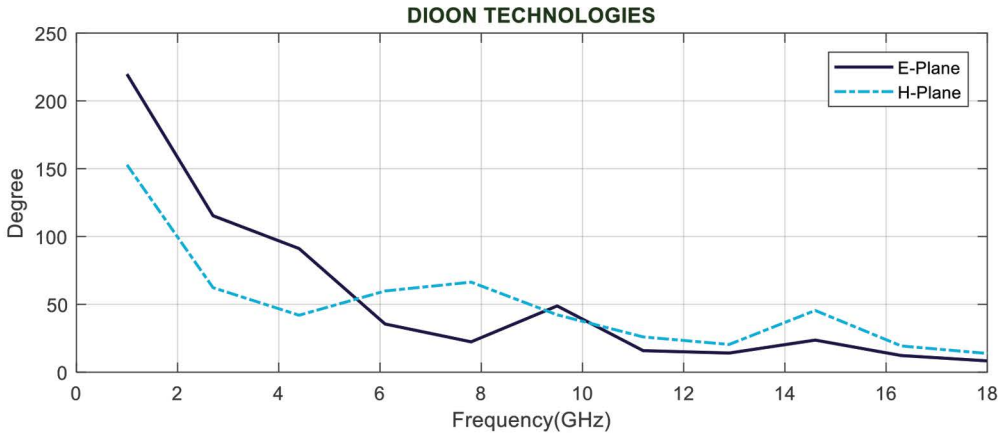


Typical Antenna Return Loss / VSWR



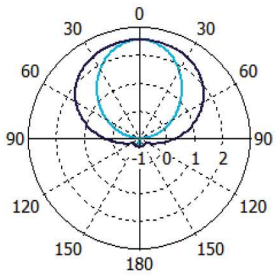


Typical Antenna HPBW



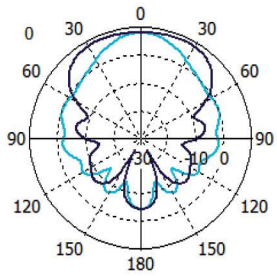
Farfield Directivity Abs (Phi= 0,90)

1 GHz



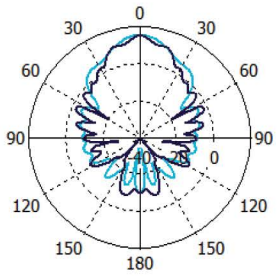
Theta / Degree vs. dB

5 GHz



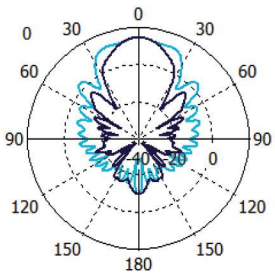
Theta / Degree vs. dB

10 GHz



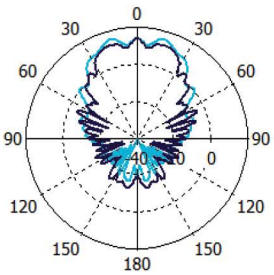
Theta / Degree vs. dB

14 GHz



Theta / Degree vs. dB

18 GHz



Theta / Degree vs. dB

E-Plane
H-Plane

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