



TECHNOLOGIES

TELECOMMUNICATION

DT Antenna Product



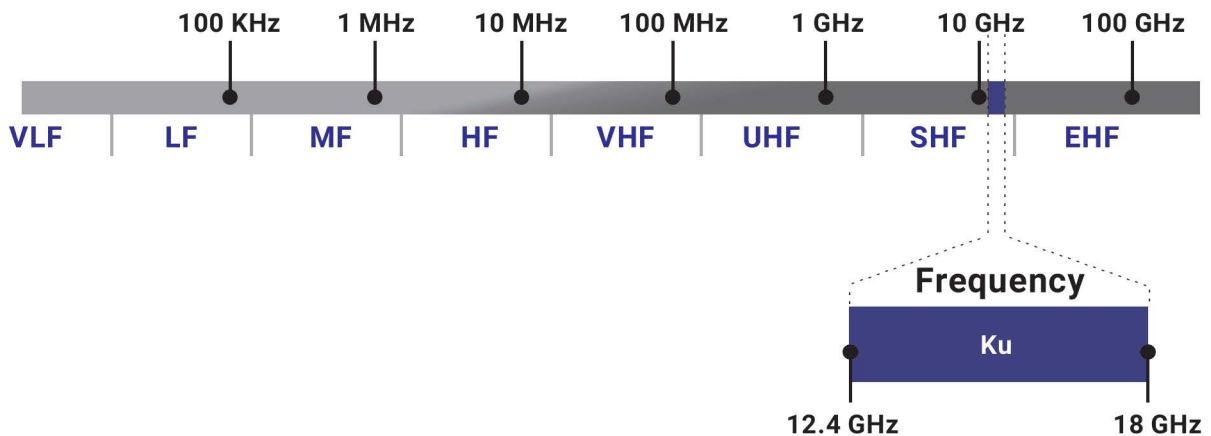
Standard Horn Antenna

12.4 to 18 GHz

Part Number: **SH-12.4-18-SL-SF-R**

Contents: Typical Gain / Antenna Factor

Typical Beamwidth / Patterns

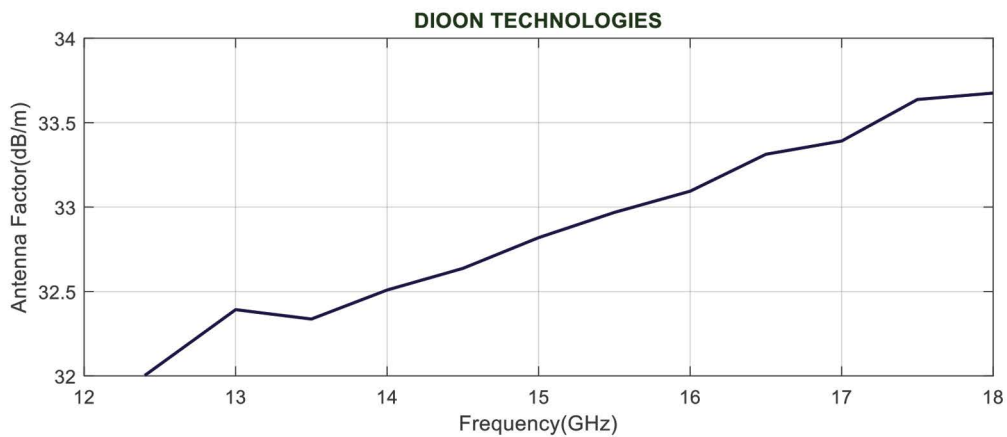
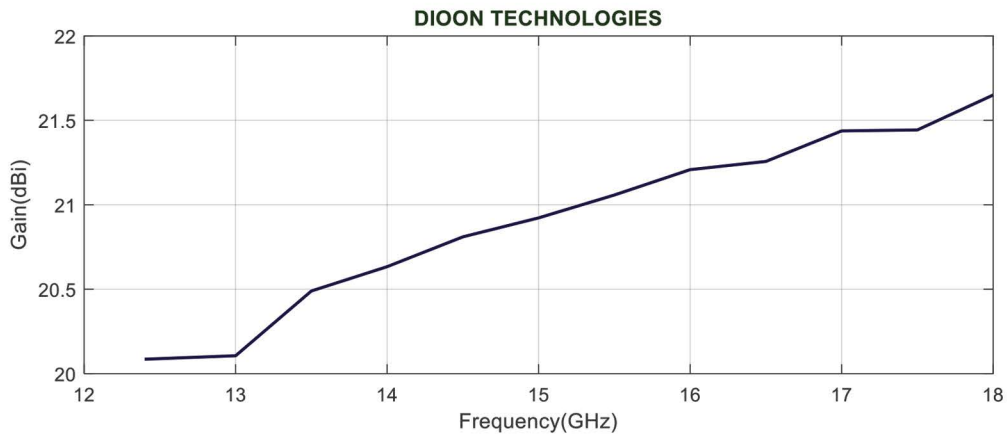


	Gain	Typically 20 ~ 22 dBi
	Power Handling	1.4 kW c. w.
	VSWR	Typically <1.6:1
	Polarization	Single Linear
	3dB Beamwidth	11 to 17.5 degrees
	Connector Type	SMA Type Female
	Weight	≈ 800 g
	Approximate Size	≈ 100mm × 80mm × 160mm
	Construction	Aluminum & Painted, Engineering Plastics

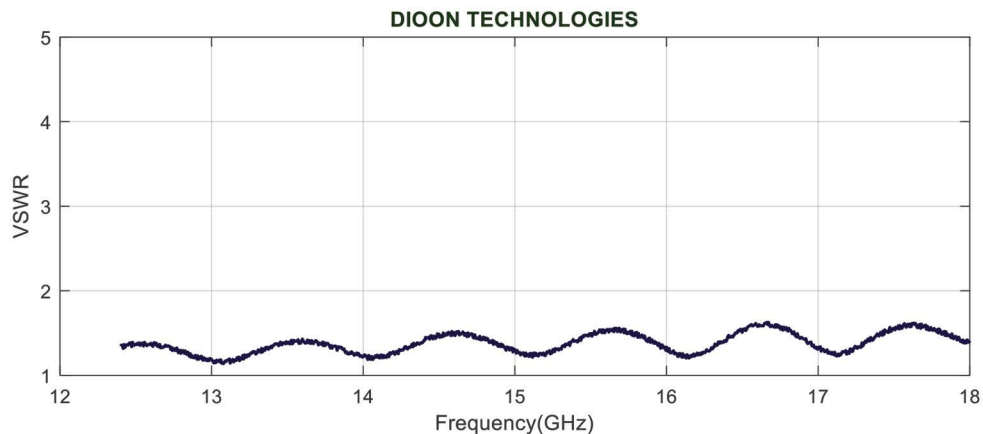
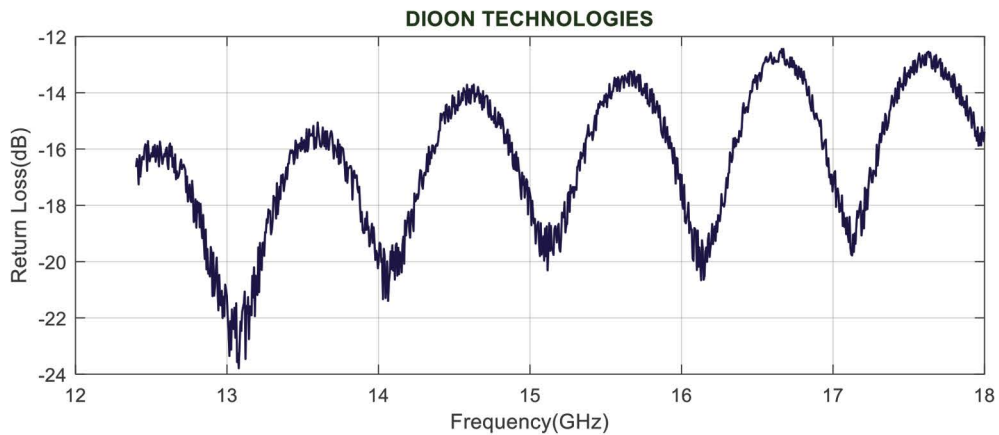


Typical Antenna Gain / Factor

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.

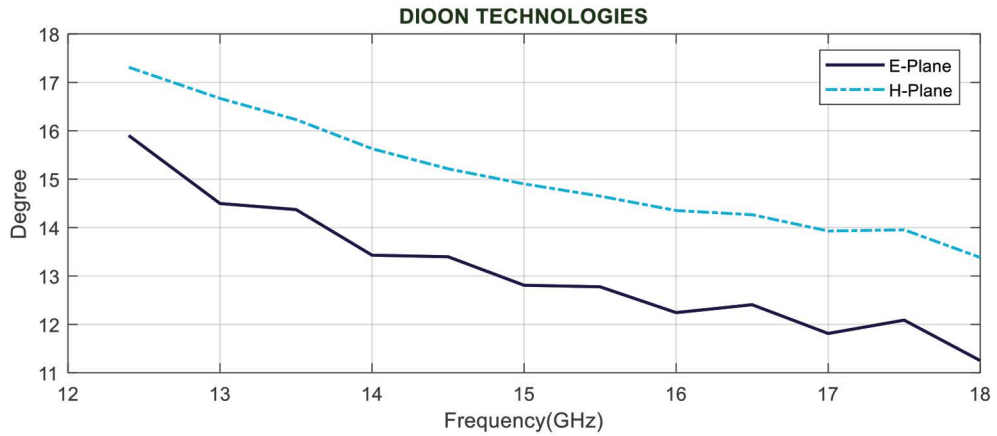


Typical Antenna Return Loss / VSWR



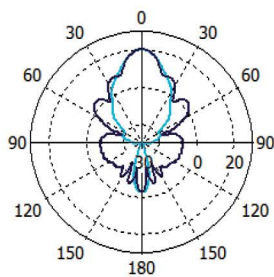


Typical Antenna HPBW



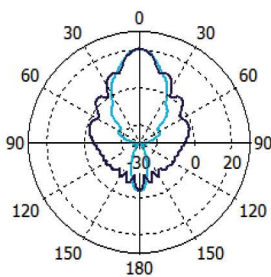
Farfield Directivity Abs (Phi= 0,90)

12.4 GHz



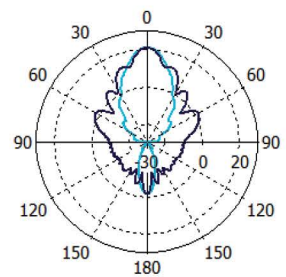
Theta / Degree vs. dB

13.5 GHz



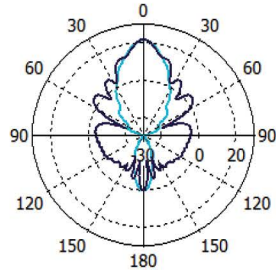
Theta / Degree vs. dB

15 GHz



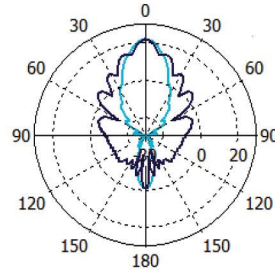
Theta / Degree vs. dB

16.5 GHz



Theta / Degree vs. dB

18 GHz



Theta / Degree vs. dB

— E-Plane
— H-Plane



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