



TECHNOLOGIES

TELECOMMUNICATION

DT Antenna Product



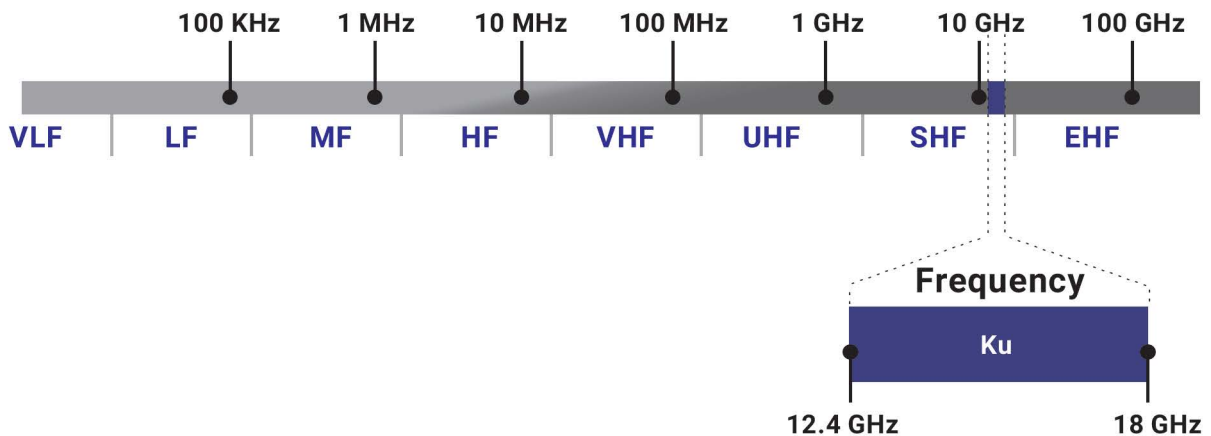
## Standard Horn Antenna

12.4 to 18 GHz

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

Contents: Typical Gain / Antenna Factor

Typical Beamwidth / Patterns

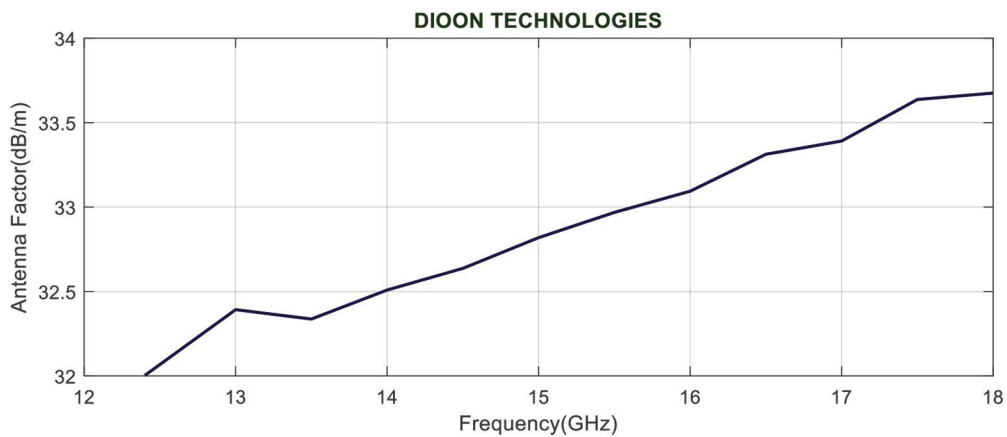
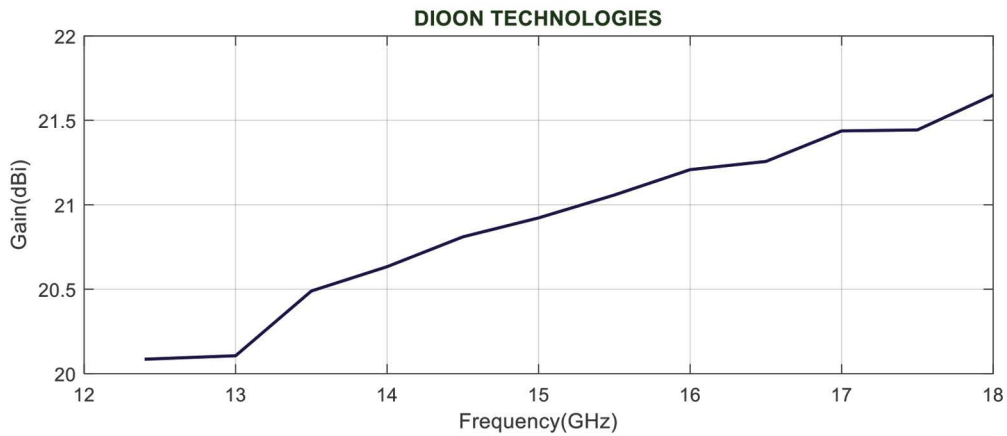


	<b>Gain</b>	Typically 20 ~ 22 dBi
	<b>Power Handling</b>	1.4 kW c. w.
	<b>VSWR</b>	Typically <1.6:1
	<b>Polarization</b>	Single Linear
	<b>3dB Beamwidth</b>	11 to 17.5 degrees
	<b>Connector Type</b>	SMA Type Female
	<b>Weight</b>	≈ 800 g
	<b>Approximate Size</b>	≈ 100mm × 80mm × 160mm
	<b>Construction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

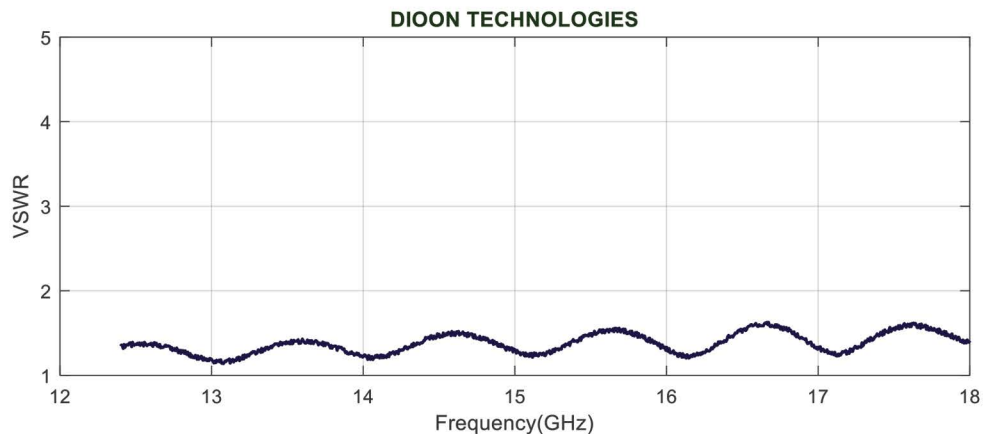
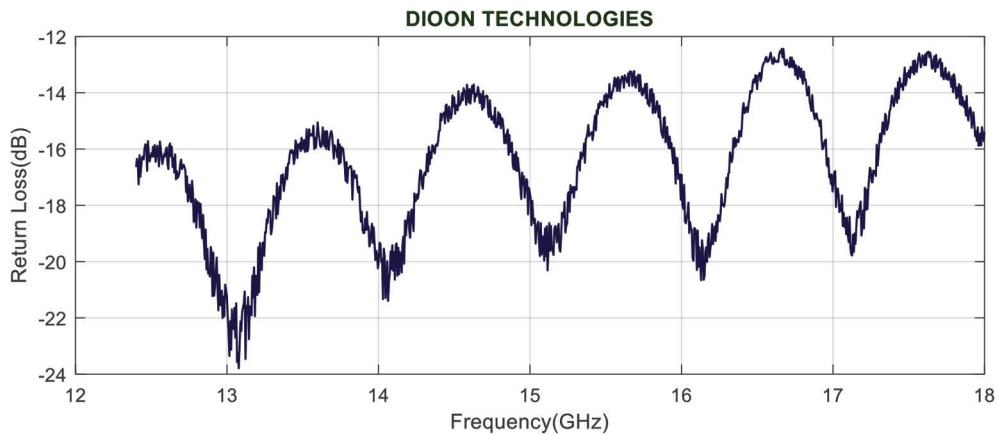


## Typical Antenna Gain / Factor

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.

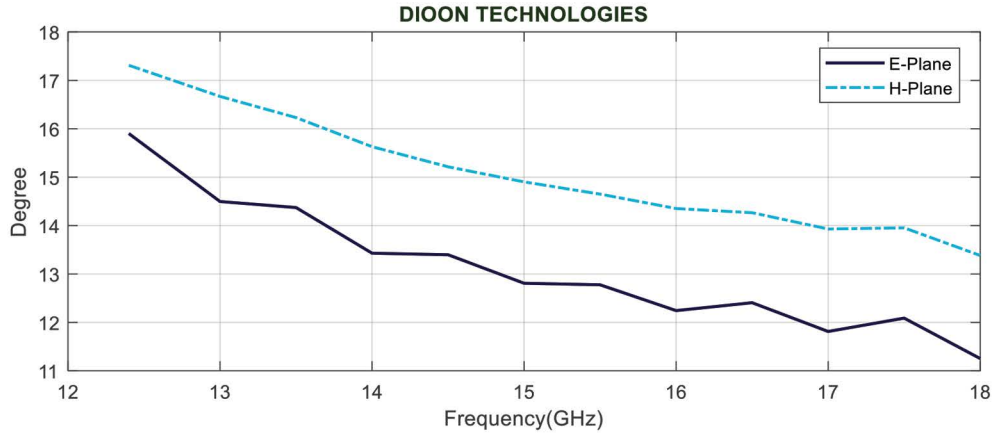


## Typical Antenna Return Loss / VSWR



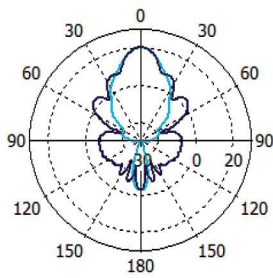


# Typical Antenna HPBW



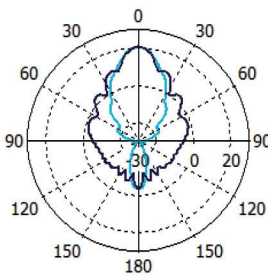
# Farfield Directivity Abs (Phi= 0,90)

12.4 GHz



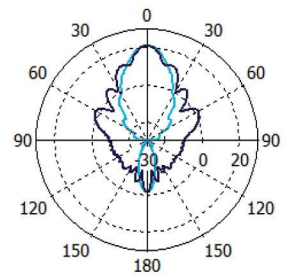
Theta / Degree vs. dB

13.5 GHz



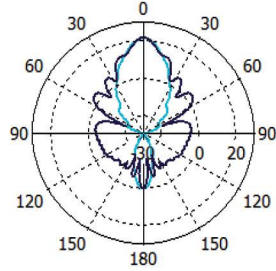
Theta / Degree vs. dB

15 GHz



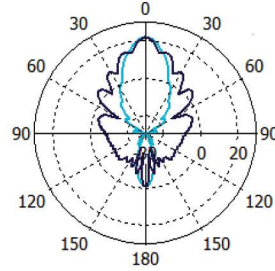
Theta / Degree vs. dB

16.5 GHz



Theta / Degree vs. dB

18 GHz



Theta / Degree vs. dB

— E-Plane  
 - - - H-Plane



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