



TECHNOLOGIES

TELECOMMUNICATION

DT Antenna Product



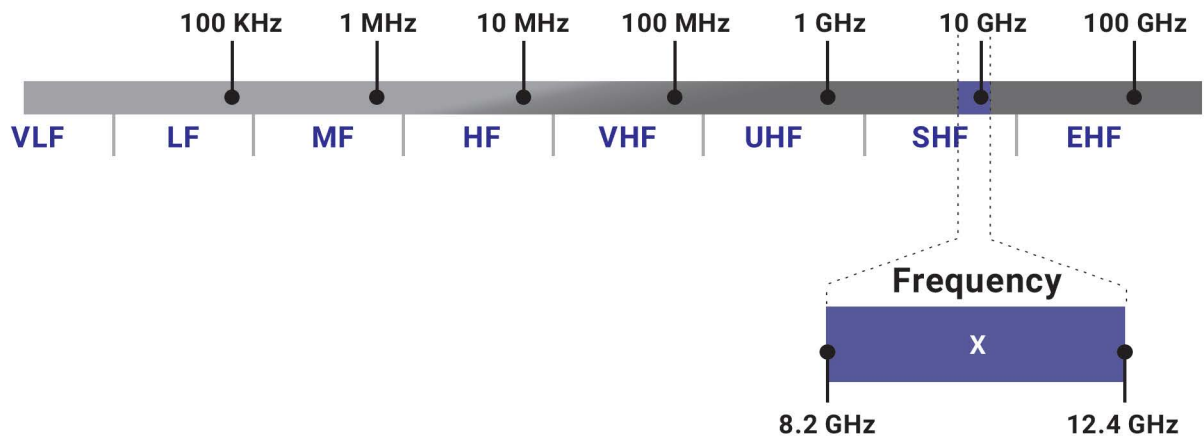
## Standard Horn Antenna

8.2 to 12.4 GHz

Part Number: **SH-8.2-12.4-SL-SF**

Contents: Typical Gain / Antenna Factor

Typical Beamwidth / Patterns

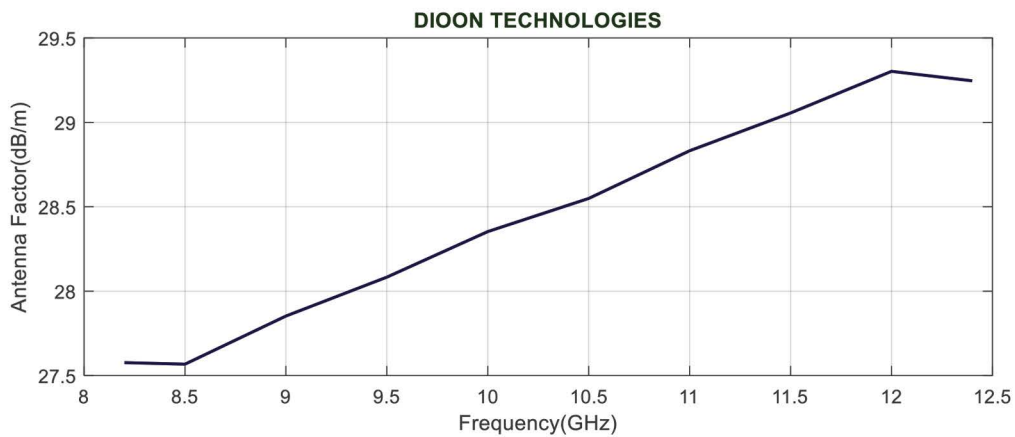
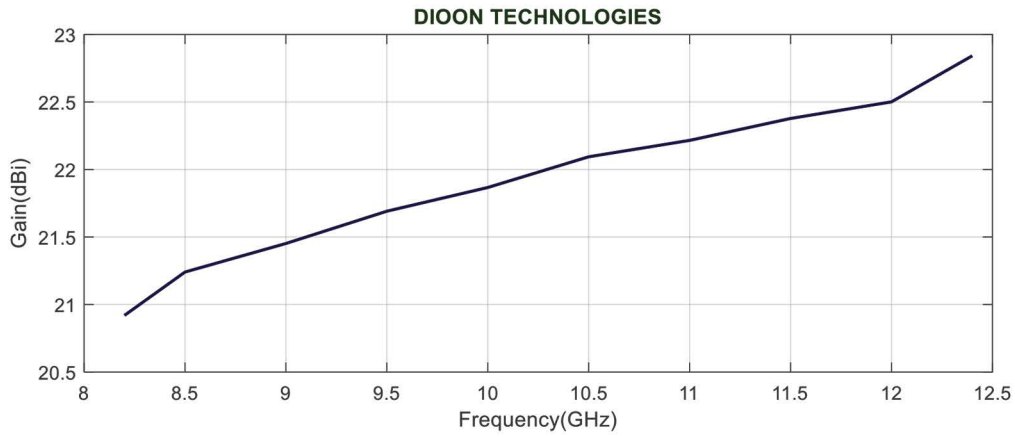


	<b>Gain</b>	Typically 20 ~ 23 dBi
	<b>Power Handling</b>	10 kW c. w.
	<b>VSWR</b>	Typically <1.8:1
	<b>Polarization</b>	Single Linear
	<b>3dB Beamwidth</b>	9 to 16 degrees
	<b>Connector Type</b>	SMA Type Female
	<b>Weight</b>	≈ 2.2 kg
	<b>Approximate Size</b>	≈ 215mm × 170mm × 460mm
	<b>Construction</b>	Aluminum & Painted,

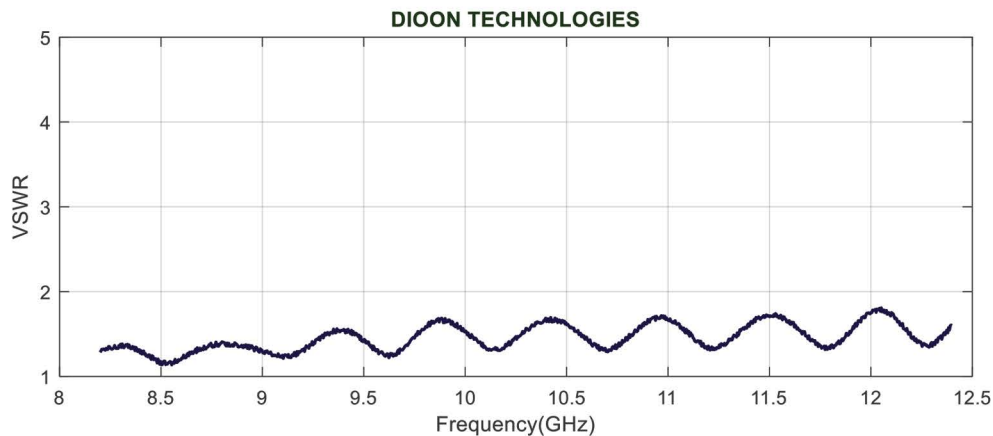
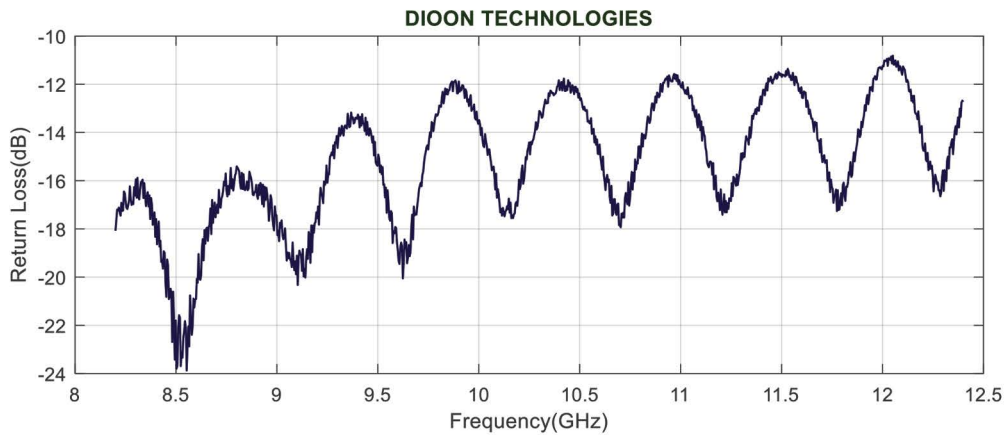


## Typical Antenna Gain / Factor

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.



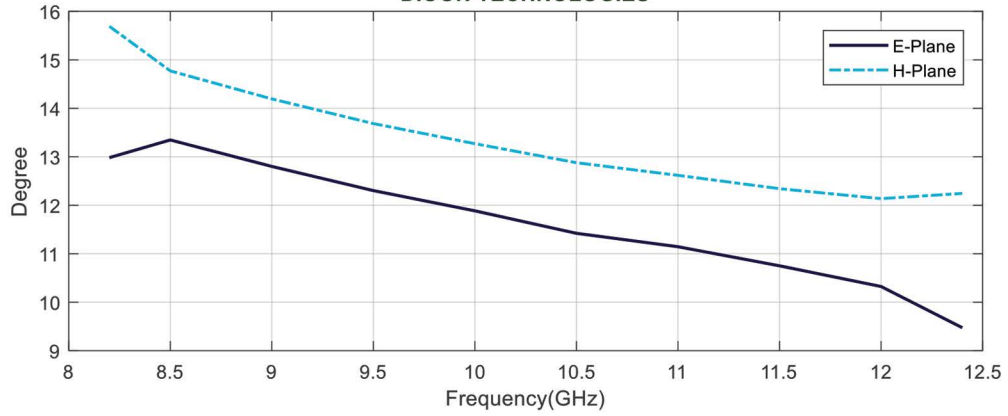
## Typical Antenna Return Loss / VSWR





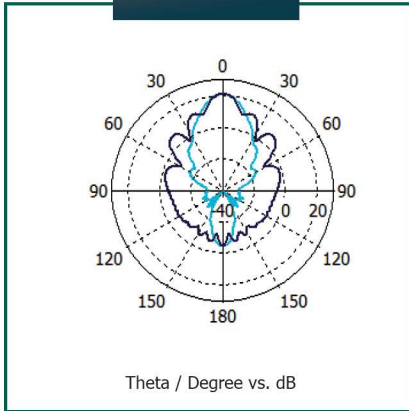
# Typical Antenna HPBW

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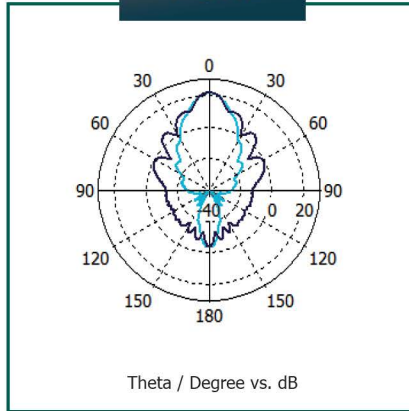


# Farfield Directivity Abs (Phi= 0,90)

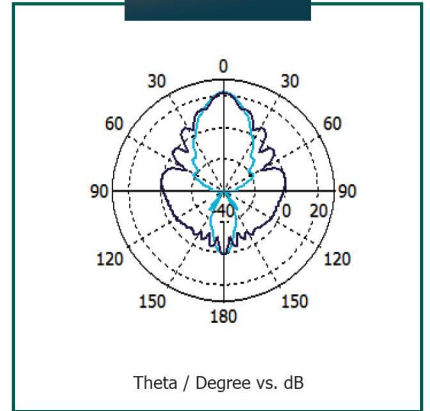
8.2 GHz



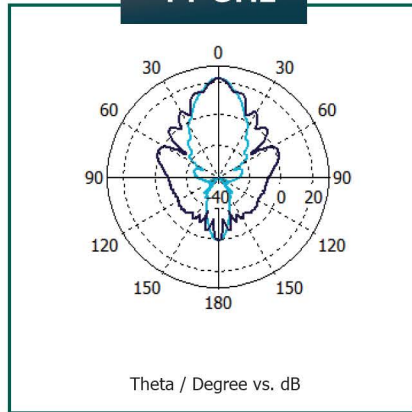
9 GHz



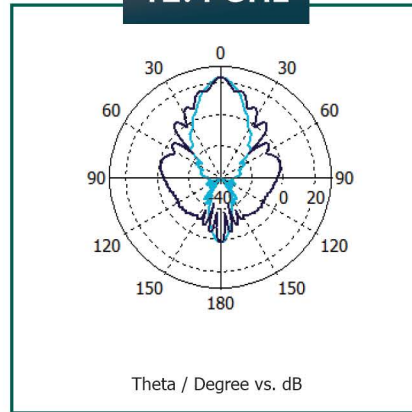
10 GHz



11 GHz



12.4 GHz



— E-Plane  
 - - - H-Plane



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