

# DOODLE LABS HELIX GOOSENECK ANTENNA

ANT-2025-2-GN



## ELECTRICAL DATA

<b>Frequency Range</b>	1.35 – 2.5 GHz
<b>Peak Gain</b>	2.4 dBi
<b>VSWR</b>	< 2.0:1
<b>Horizontal Beamwidth</b>	360 Degrees
<b>Low Band Vertical Beamwidth</b>	99.3 Degrees L/S Band (1.35 – 1.45 GHz)
<b>Mid Band Vertical Beamwidth</b>	110 Degrees L/S Band (1.5 – 2.1 GHz)
<b>High Band Vertical Beamwidth</b>	58 Degrees S Band (2.2 – 2.5 GHz)

## GENERAL DATA

<b>Colour</b>	Black
<b>Connector Type</b>	SMA-Male
<b>Polarization</b>	Vertical
<b>Power</b>	100 Watts Input
<b>Impedance</b>	50 ohms nominal

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## MECHANICAL DATA

<b>Gooseneck Length</b>	79.25 mm
<b>Gooseneck Diameter</b>	9.78 mm
<b>Total Length</b>	227.33 mm
<b>Diameter</b>	20.62 mm
<b>Mounting Type</b>	Connector
<b>Weight</b>	99.8 g

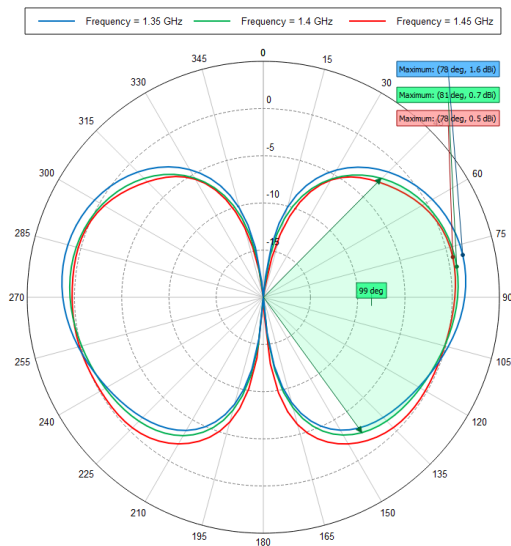
## ENVIRONMENTAL DATA

<b>Environmental Condition</b>	Outdoor
<b>Operation Temperature</b>	-40 to +85°C
<b>Storage temperature</b>	-40 to +85°C
<b>Transport temperature</b>	-40 to +85°C
<b>IP Rating</b>	NA

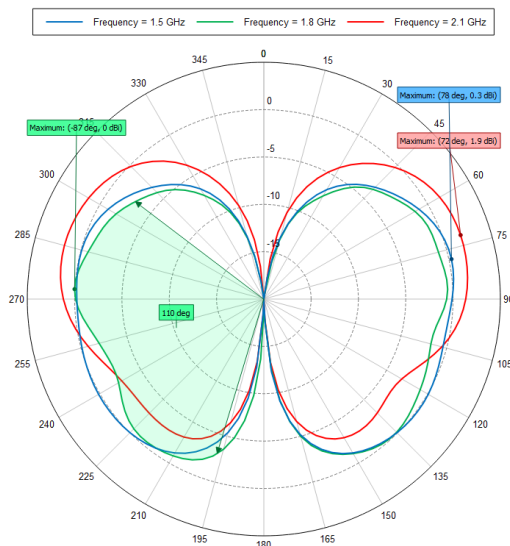
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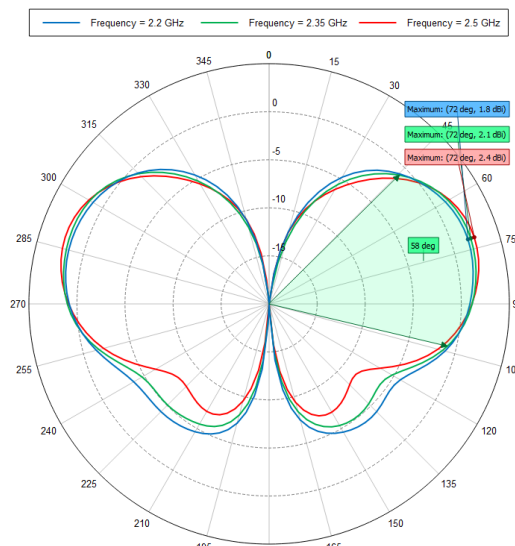
Peak Gain: 2.4 dBi



Elevation Pattern, Low Band  
Referenced to +5 dBi



Elevation Pattern, Mid Band  
Referenced to +5 dBi

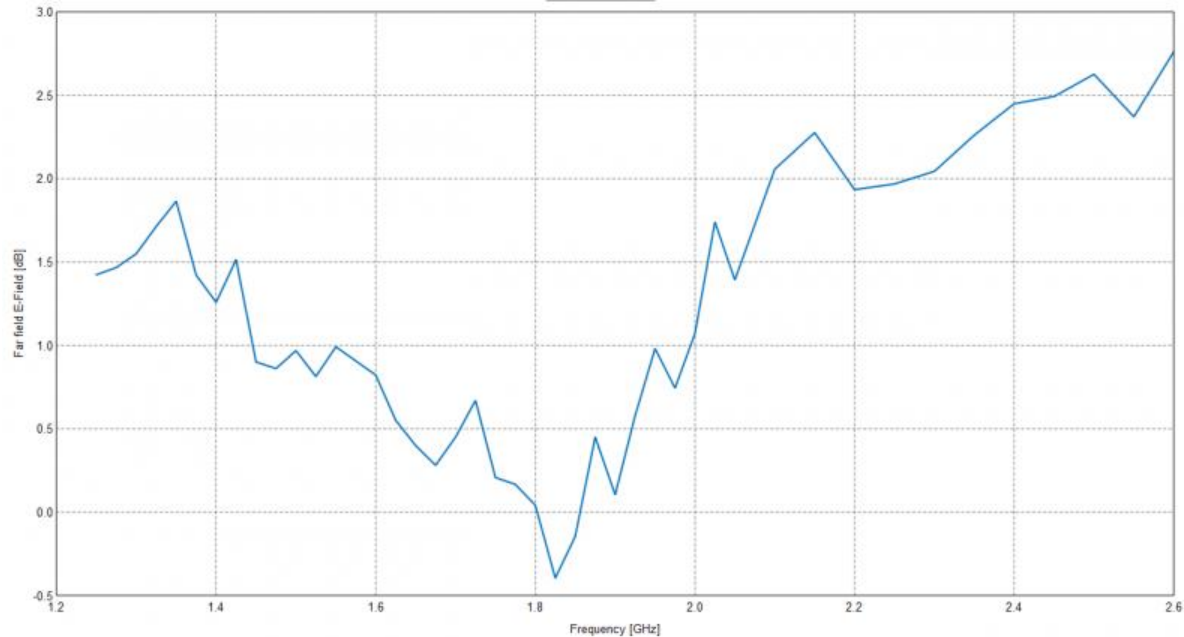


Elevation Pattern, High Band  
Referenced to +5 dBi

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Peak Gain: 2.4 dBi



Azimuth gain over frequency plot

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Dimension are in mm

