

DOODLE LABS HELIX GOOSENECK ANTENNA

ANT-2025-2-GN-TNC



ELECTRICAL DATA

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

GENERAL DATA

Colour	Black
Connector Type	TNC-Male
Polarization	Vertical
Power	100 Watts Input
Impedance	50 ohms nominal

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MECHANICAL DATA

Gooseneck Length	79.25 mm
Gooseneck Diameter	9.78 mm
Total Length	227.33 mm
Diameter	20.62 mm
Mounting Type	Connector
Weight	99.8 g

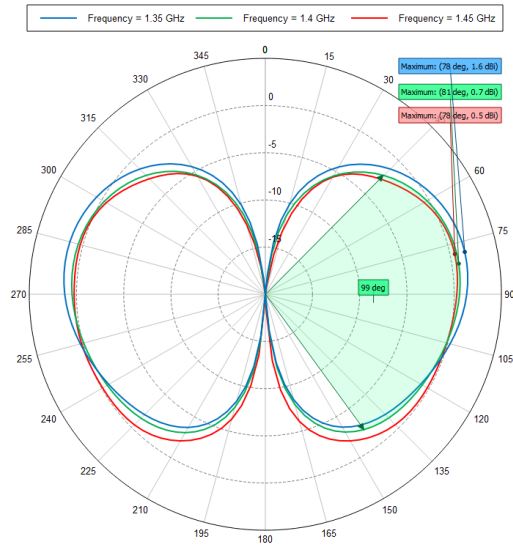
ENVIRONMENTAL DATA

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

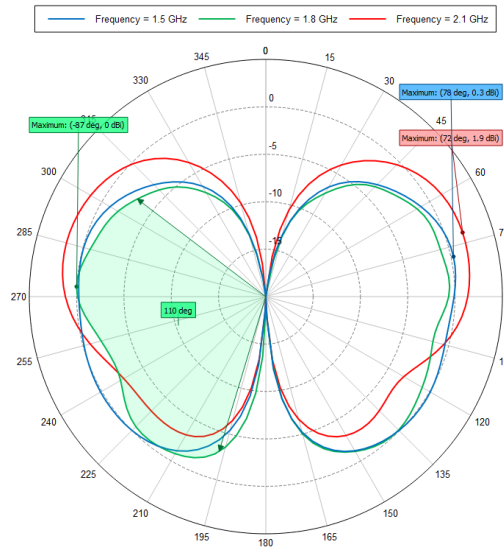
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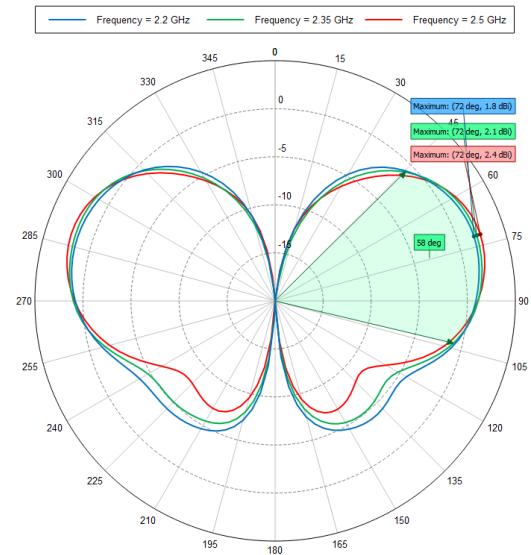
Peak Gain: 2.4 dBi



Elevation Pattern, Low Band
Referenced to +5 dBi



Elevation Pattern, Mid Band
Referenced to +5 dBi

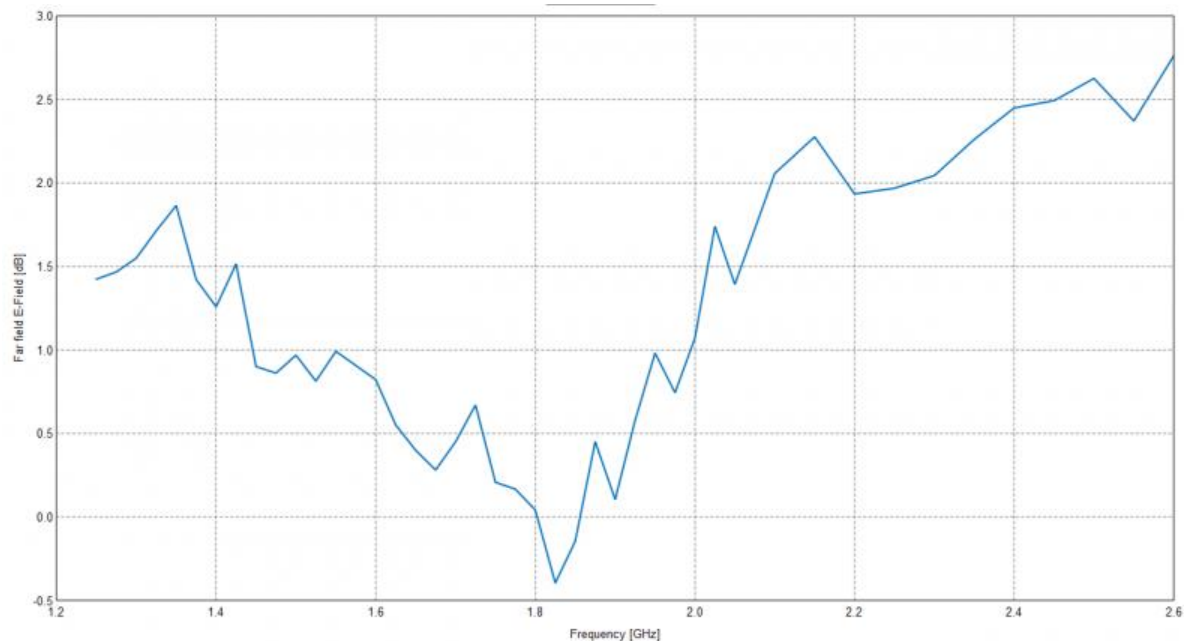


Elevation Pattern, High Band
Referenced to +5 dBi

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Peak Gain: 2.4 dBi



Azimuth gain over frequency plot

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Dimension are in mm

