

2.4-2.5 GHz circularly polarized helical antenna fitted with an N type connector and radome

AT-HL-2.4-2.5-N



Key Specifications

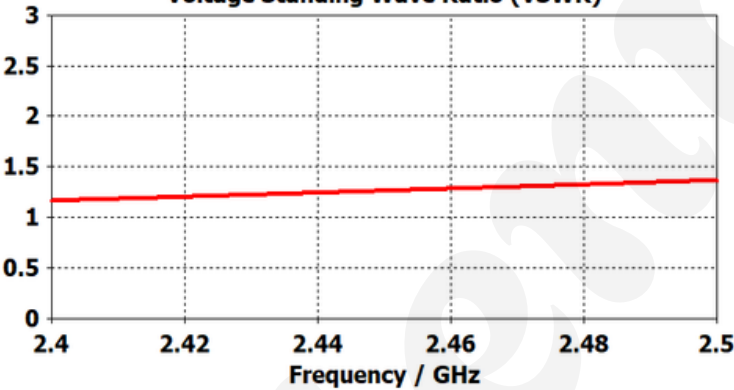
Operating frequency band	2.4-2.5 GHz
Connector	N type female
VSWR	< 1.5:1
Gain	> 13 dBi
3dB Beamwidth	35 degrees
Polarization	circular polarization
Size	length 31cm, dia 14cm
Axial Ratio	< 3dbi

This circularly polarized helical antenna designed for reliable wireless communication across 2.4–2.5 GHz ISM band. Delivering more than 13 dBi of directional gain, it provides excellent signal strength, extended communication range, and reduced susceptibility to multipath interference. It is ideally suited for UAV communications, telemetry systems, wireless data links, tracking applications, and other RF systems requiring dependable long-range connectivity.

Please contact AntennaTec for a full interface control drawing.

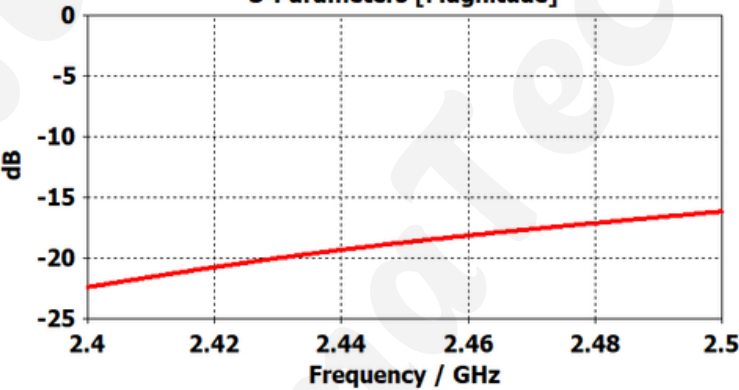
VSWR

Voltage Standing Wave Ratio (VSWR)



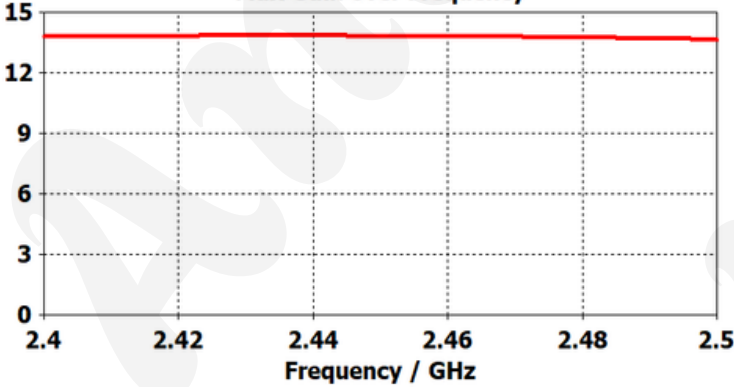
S11

S-Parameters [Magnitude]



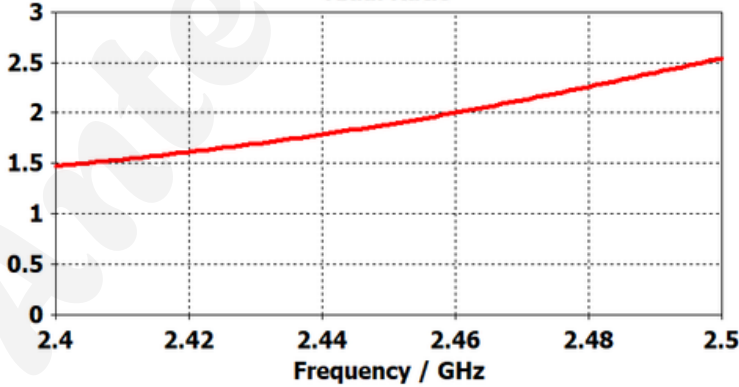
Gain

Max Gain over Frequency



Axial Ratio

Axial Ratio

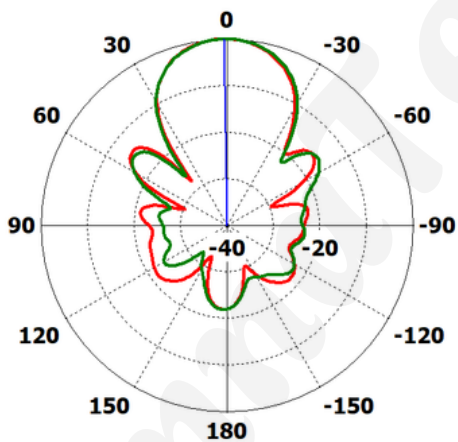


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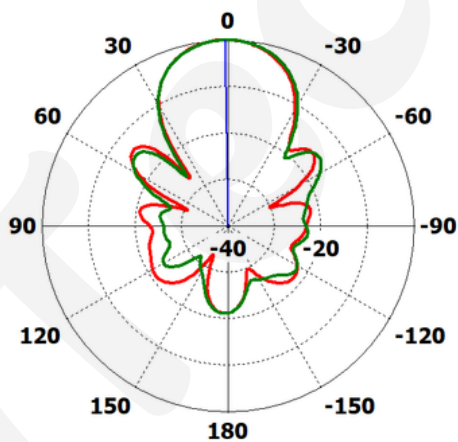


Radiation Patterns: Red = Phi 0; Green = Phi 90

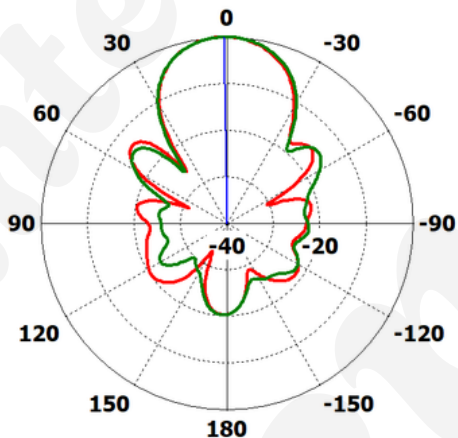
2.4GHz



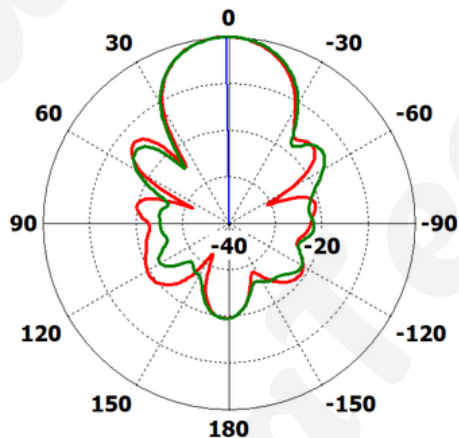
2.42GHz



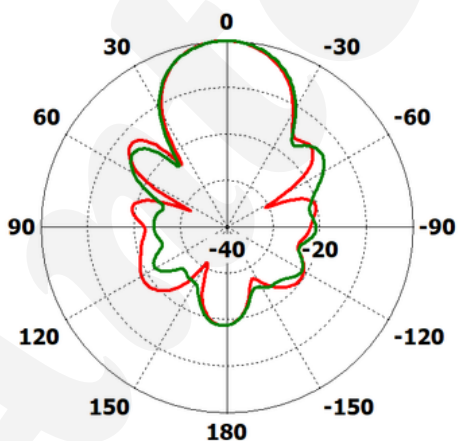
2.44GHz



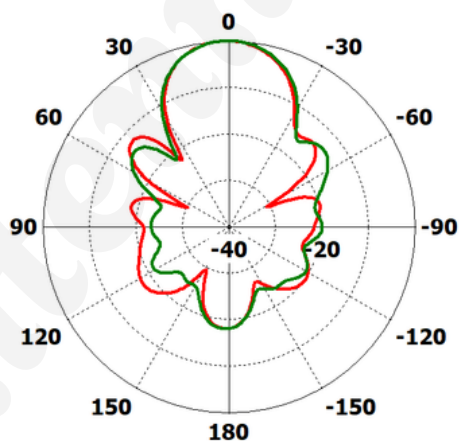
2.46GHz



2.48GHz



2.5GHz



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