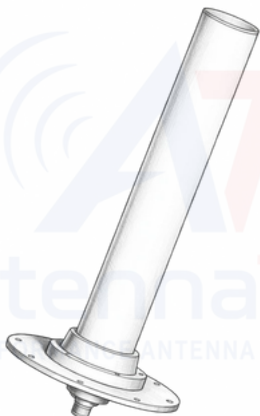


1.8-2.8 GHz circularly polarized helical antenna fitted with an N type connector and radome

AT-HL-1.8-2.8-N



Key Specifications

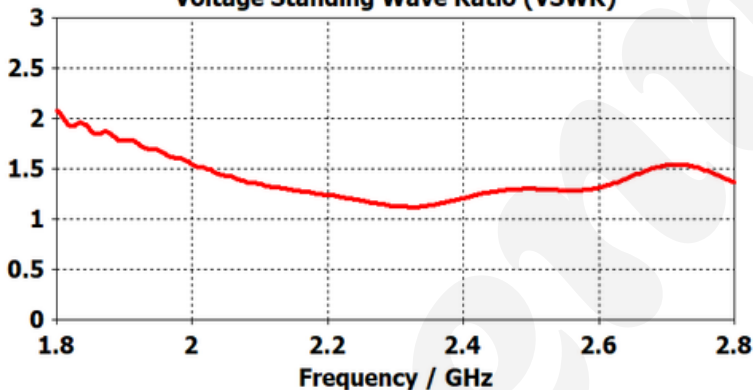
Operating frequency band	1.8 - 2.8 GHz
Connector	N type female
VSWR	< 2:1
Gain	> 10 dBi
3dB Beamwidth	25-60 degrees
Polarization	circular polarization
Size	length 35cm, width 15cm
Axial Ratio	< 2.5dbi

This high-gain helical antenna covers 1.8–2.8 GHz frequency band and delivers circularly polarised directional performance for reliable wireless links. With more than 10 dBi gain, compact mechanical construction, and controlled axial-ratio characteristics, it is suitable for UAV data links, telemetry, video transmission, tracking applications, and field communication platforms where stable link quality and polarisation robustness are required.

Please contact AntennaTec for a full interface control drawing.

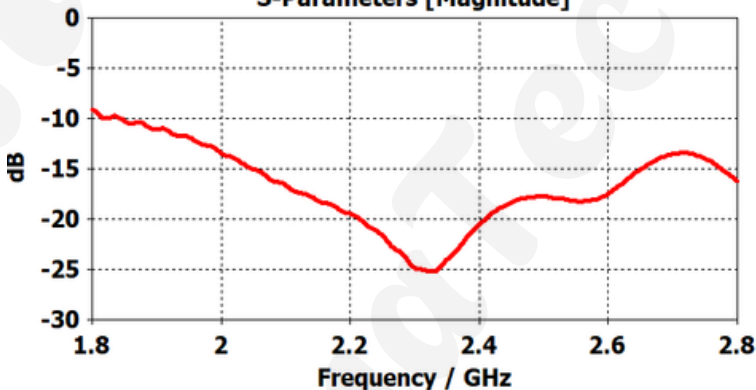
VSWR

Voltage Standing Wave Ratio (VSWR)



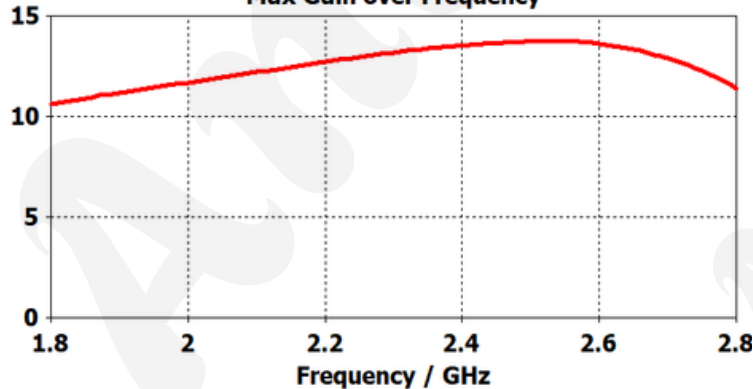
S11

S-Parameters [Magnitude]



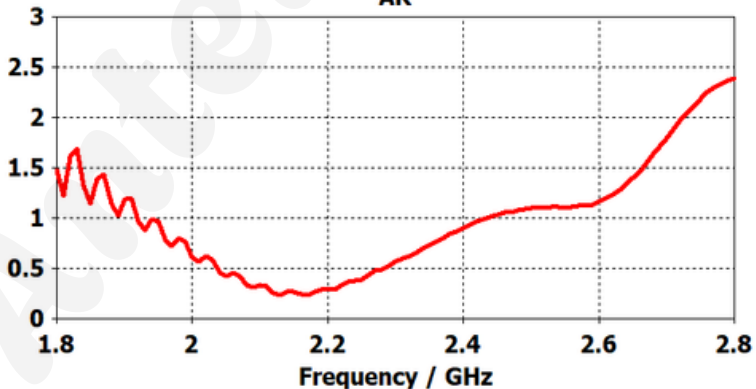
Gain

Max Gain over Frequency



Axial Ratio

AR

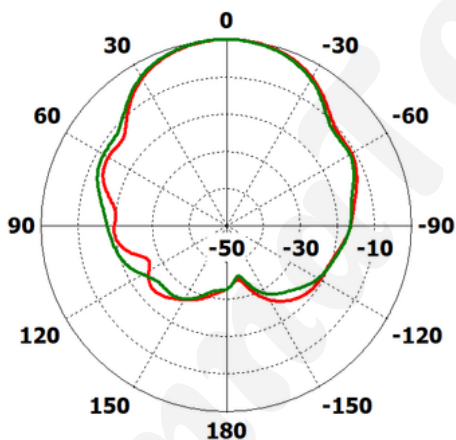


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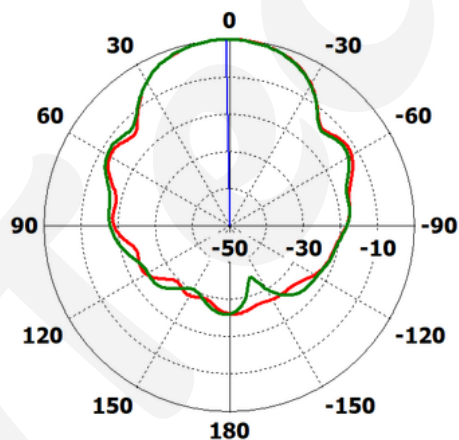


Radiation Patterns: Red = Phi 0; Green = Phi 90

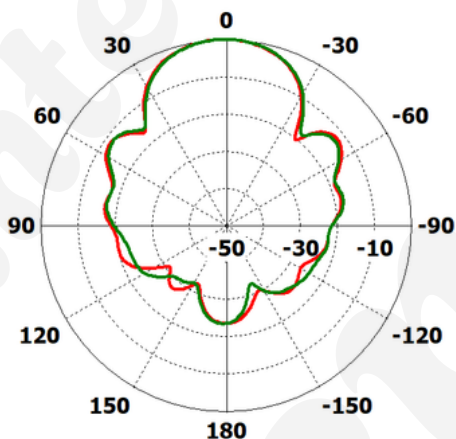
1.8GHz



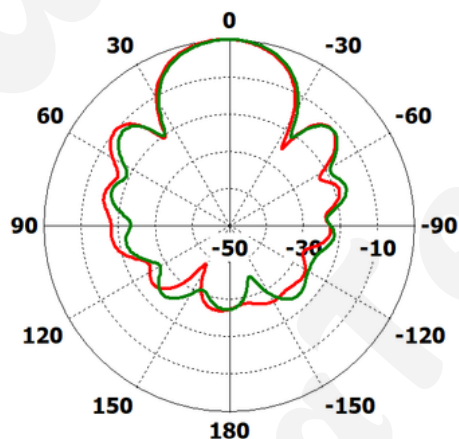
2GHz



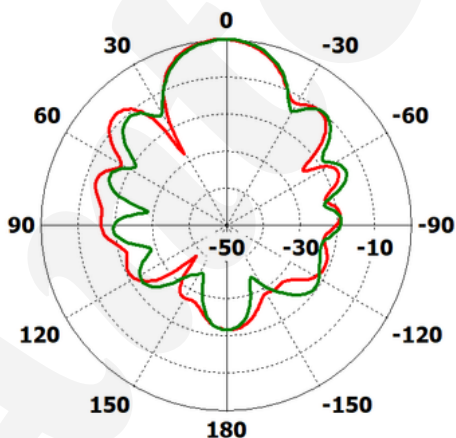
2.2GHz



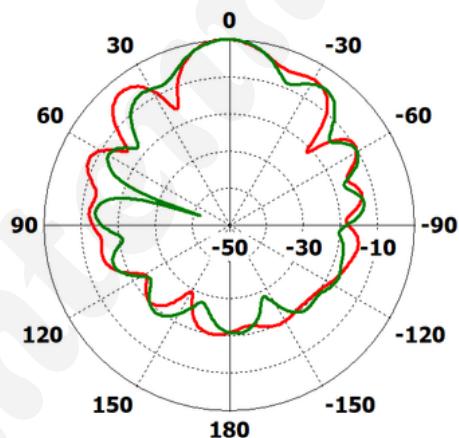
2.4GHz



2.6GHz



2.8GHz



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