

AT-HL-1.8-2.8-N



Key Specifications

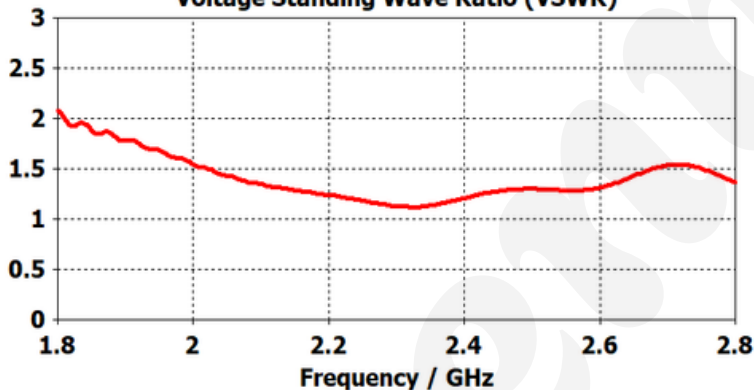
Operating frequency band	1.8 - 2.8 GHz
Connector	N type female
VSWR	< 2:1
Gain	> 10 dBi
3dB Beamwidth	25-60 degrees
Polarization	circular polarization
Size	length 35cm, width 15cm
Axial Ratio	< 2.5dbi

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 drone jamming, 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.

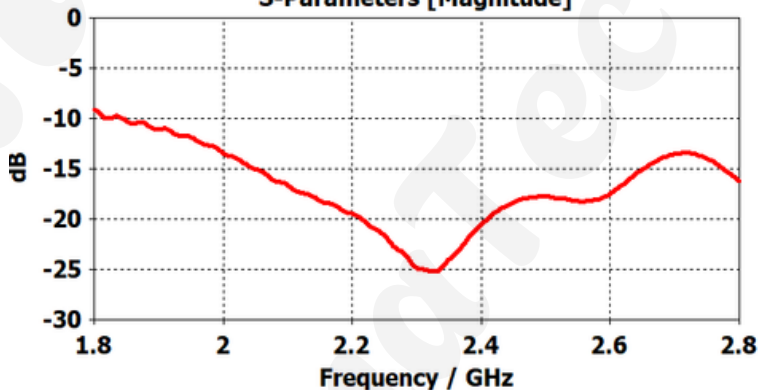
VSWR

Voltage Standing Wave Ratio (VSWR)



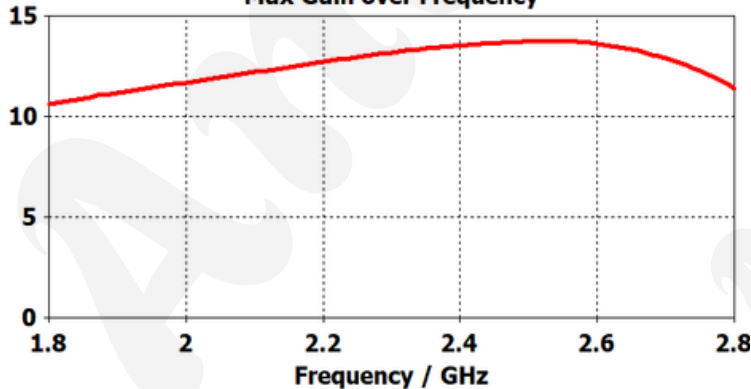
S11

S-Parameters [Magnitude]



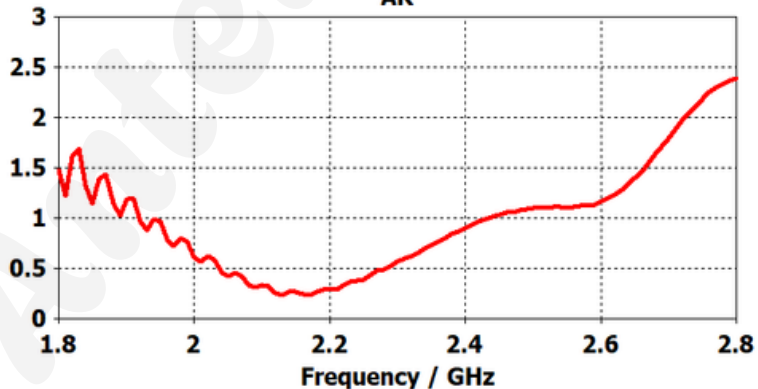
Gain

Max Gain over Frequency



Axial Ratio

AR

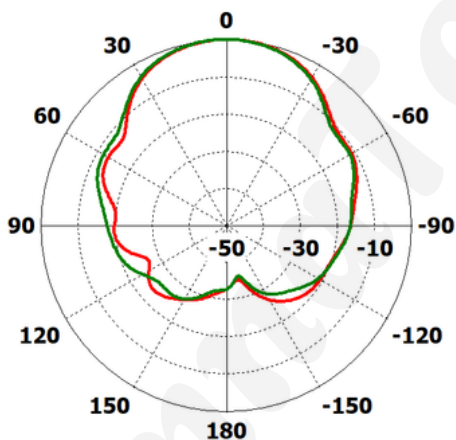


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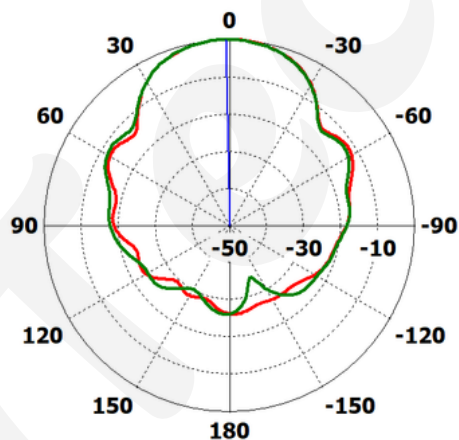


Radiation Patterns: Red = Phi 0; Green = Phi 90

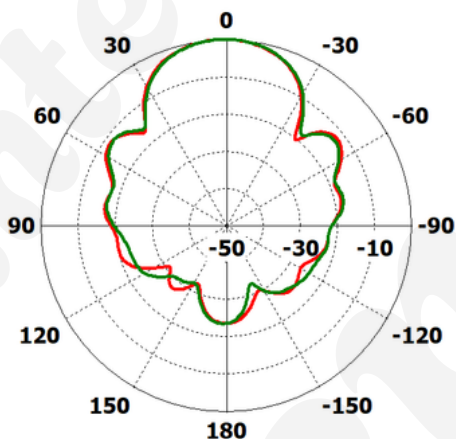
1.8GHz



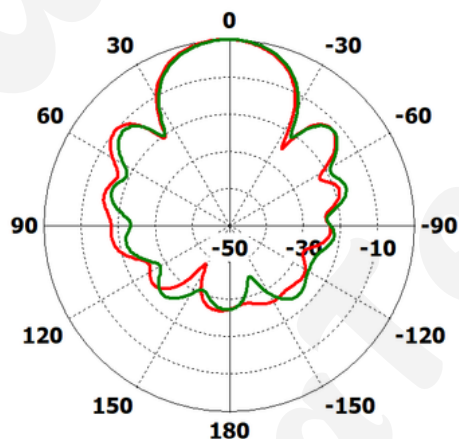
2GHz



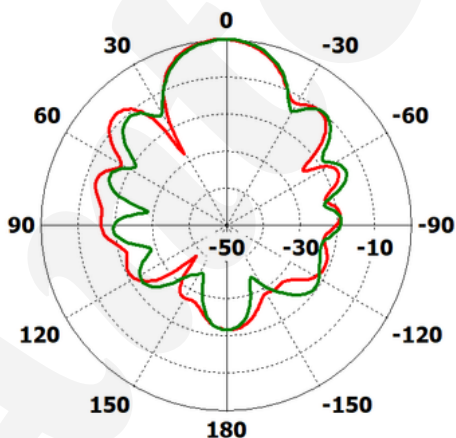
2.2GHz



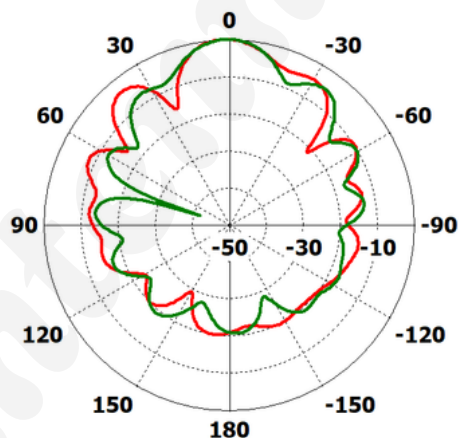
2.4GHz



2.6GHz



2.8GHz



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