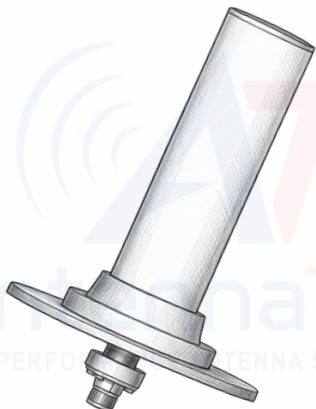


AT-HL-4.4-6.4-N



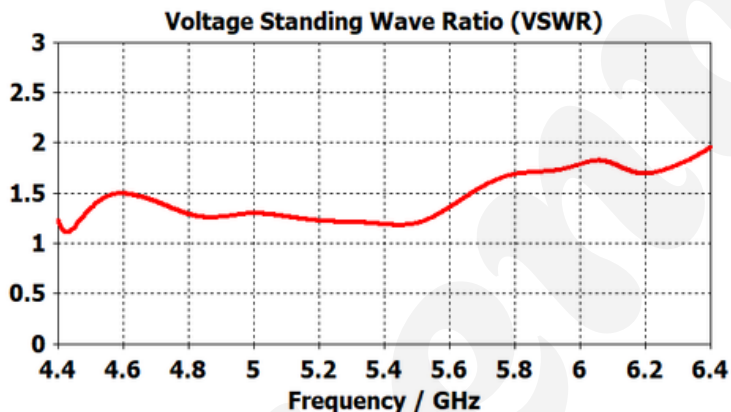
Key Specifications

Operating frequency band	4.4 - 6.4 GHz
Connector	N type female
VSWR	< 2:1
Gain	> 12 dBi
3dB Beamwidth	25-30 degrees
Polarization	circular polarization
Size	length 22cm, width 15cm
Axial Ratio	< 2dbi

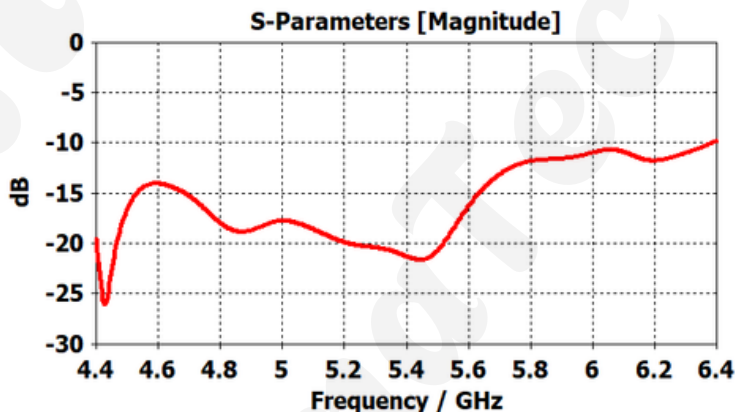
This circularly polarised helical antenna operates across 4.4–6.4 GHz frequency band and delivers more than 12 dBi gain for focused high-frequency RF communication. Its compact helical design, stable axial-ratio performance, and narrow directional beam make it suitable for UAV data links, C-band wireless systems, telemetry, tracking, video transmission, and demanding operating scenarios where long-range link stability is required.

Please contact AntennaTec for a full interface control drawing.

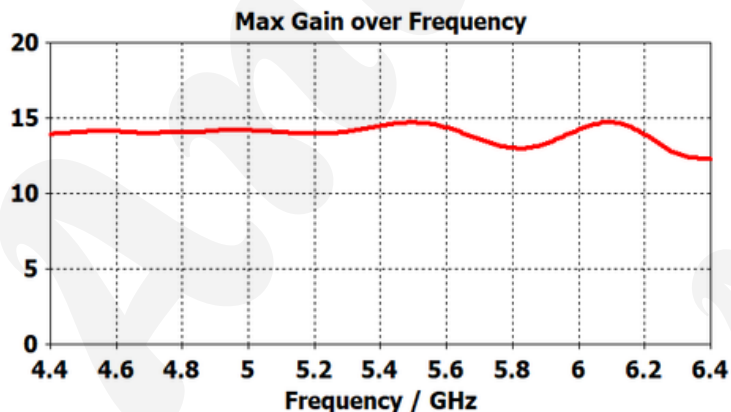
VSWR



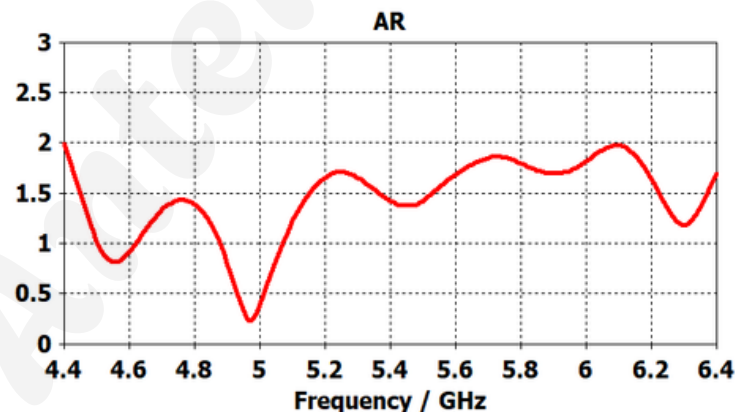
S11



Gain



Axial Ratio

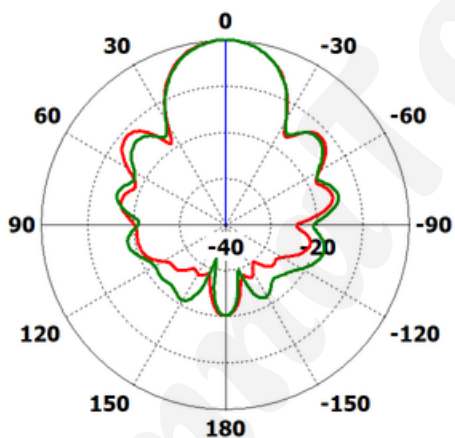


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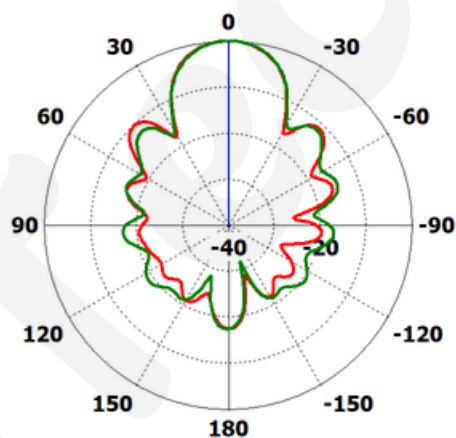


Radiation Patterns: Red = Phi 0; Green = Phi 90

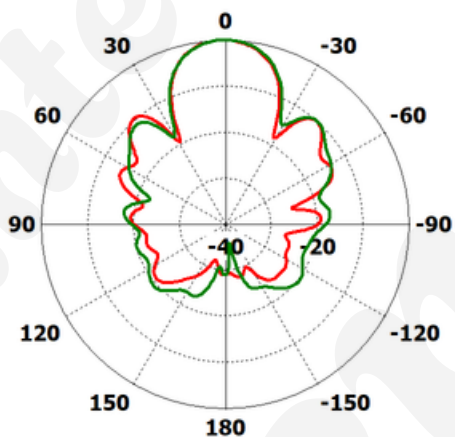
4.4GHz



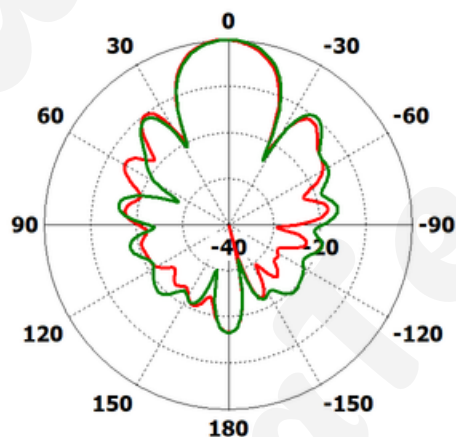
4.8GHz



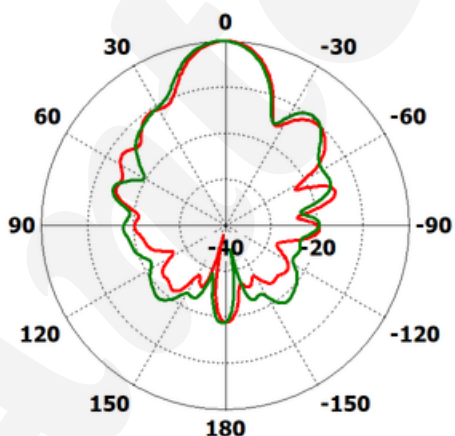
5.2GHz



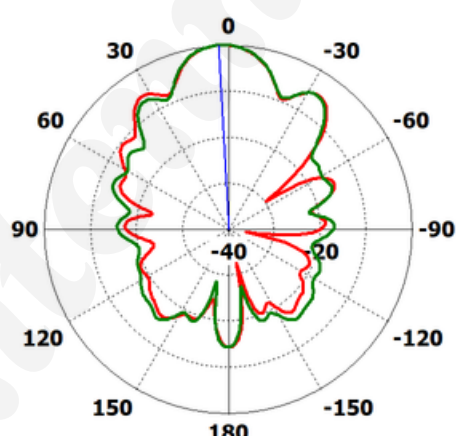
5.6GHz



6GHz



6.4GHz



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