

AT-HL-4.2-5.5-N



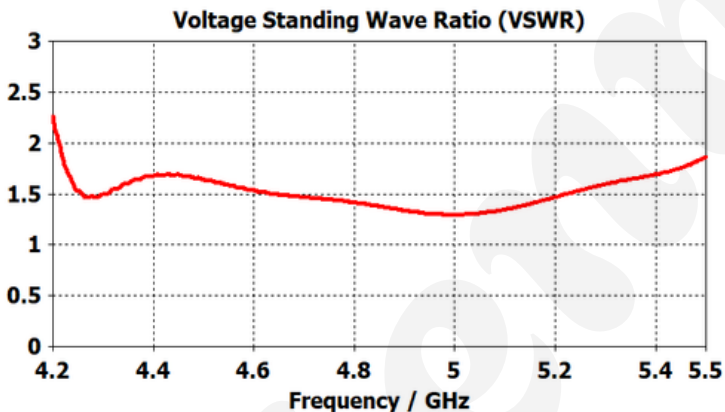
Key Specifications

Operating frequency band	4.2 - 5.5 GHz
Connector	N type female
VSWR	< 2:1
Gain	> 10 dBi
3dB Beamwidth	25-40 degrees
Polarization	circular polarization
Size	length 25cm, width 15cm
Axial Ratio	< 2dbi

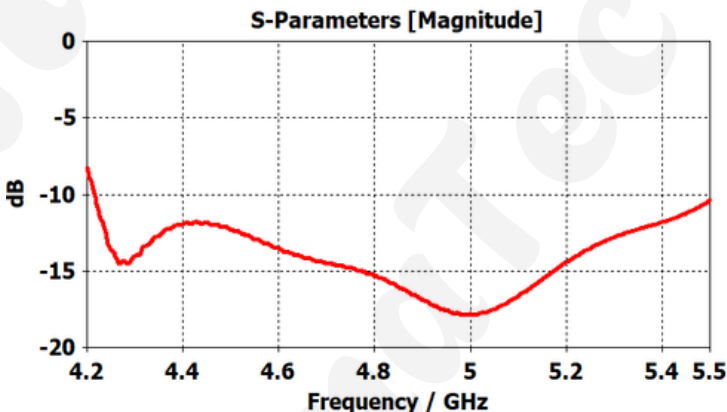
This high-gain helical antenna covers 4.2–5.5 GHz frequency range and provides circularly polarised directional performance for compact high-frequency wireless links. Its more than 10 dBi gain, controlled beamwidth, and radome-protected structure make it suitable for C-band telemetry, UAV video links, point-to-point communication, tracking systems, and field-deployed RF applications requiring stable polarisation and focused radiation.

Please contact AntennaTec for a full interface control drawing.

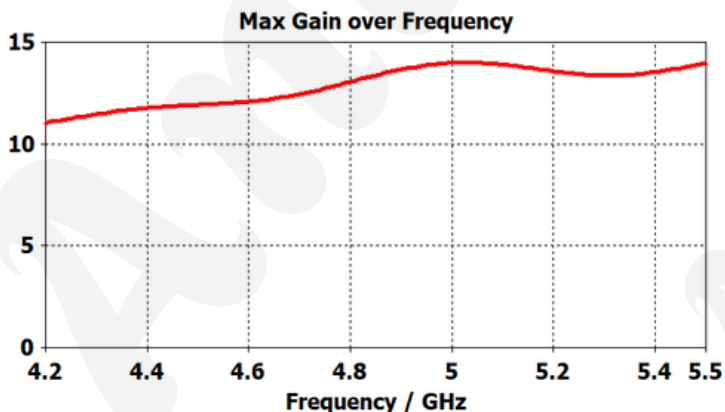
VSWR



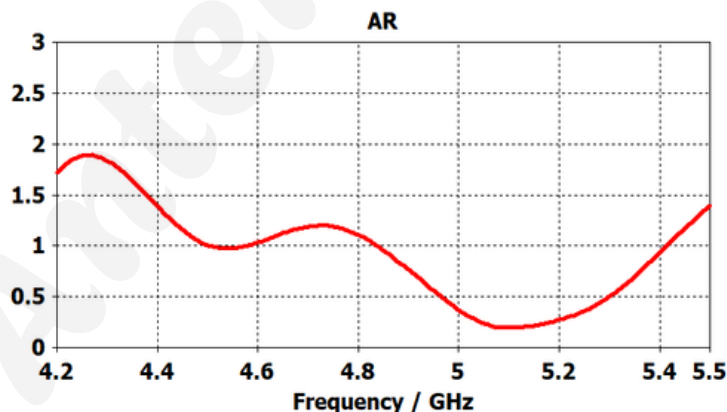
S11



Gain



Axial Ratio

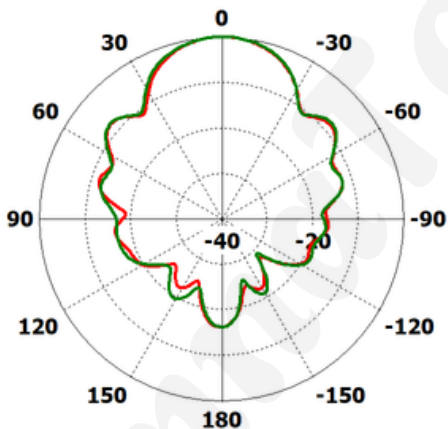


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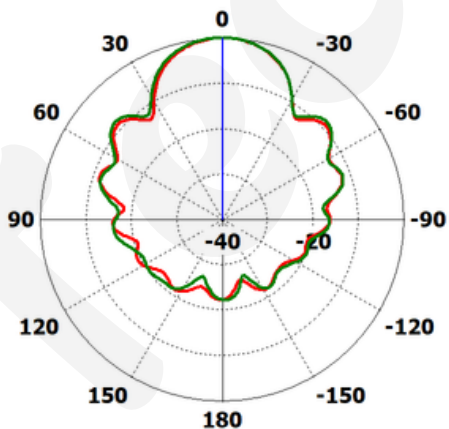


Radiation Patterns: Red = Phi 0; Green = Phi 90

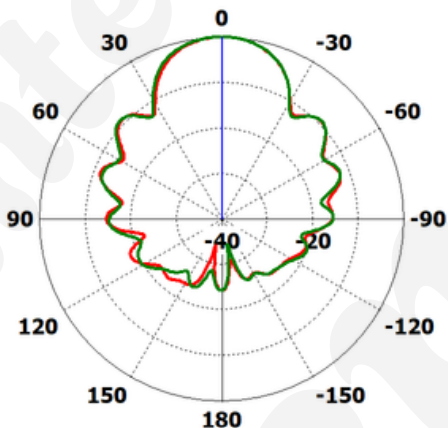
4.2GHz



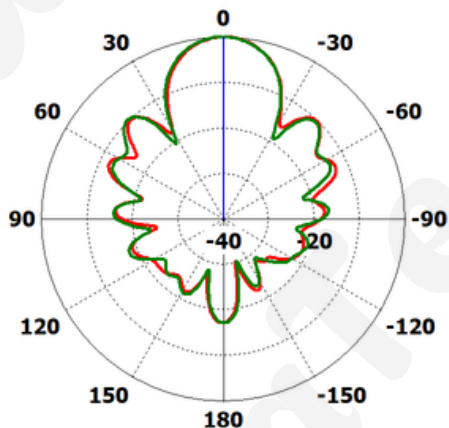
4.4GHz



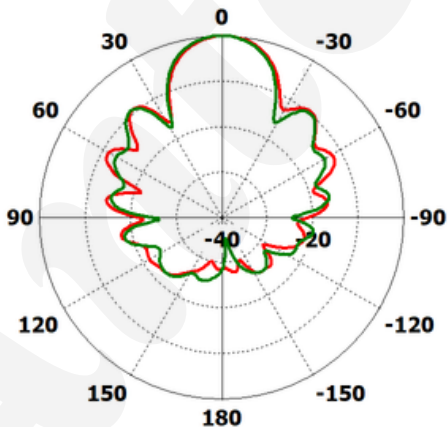
4.6GHz



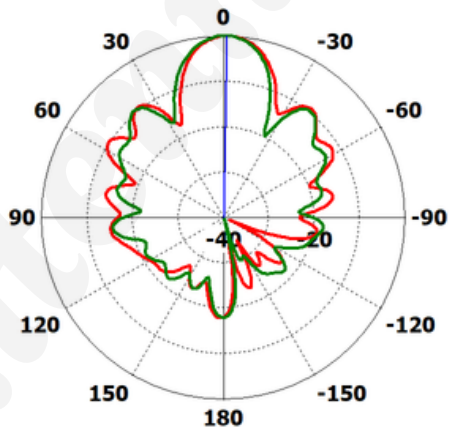
4.9GHz



5.2GHz



5.5GHz



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