Helical Antenna

AT-HL-6.2-8-N

AT-HL-6.2-8-N-v1.0-0626

6.2-8 GHz circularly polarized helical antenna fitted with an N type connector and radome

AT-HL-6.2-8-N

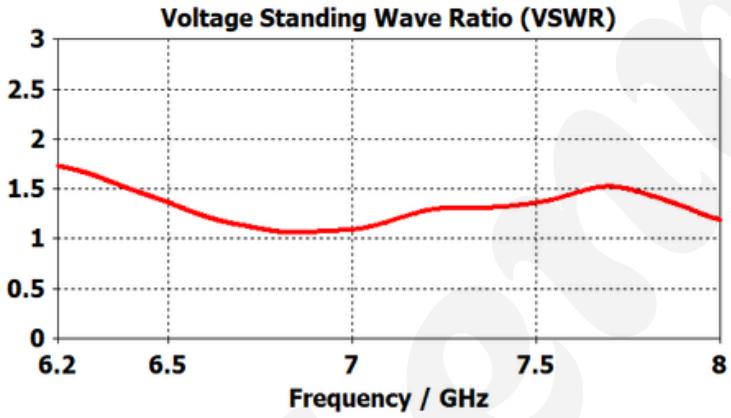
Please contact AntennaTec for a full interface control drawing.

Key Specifications

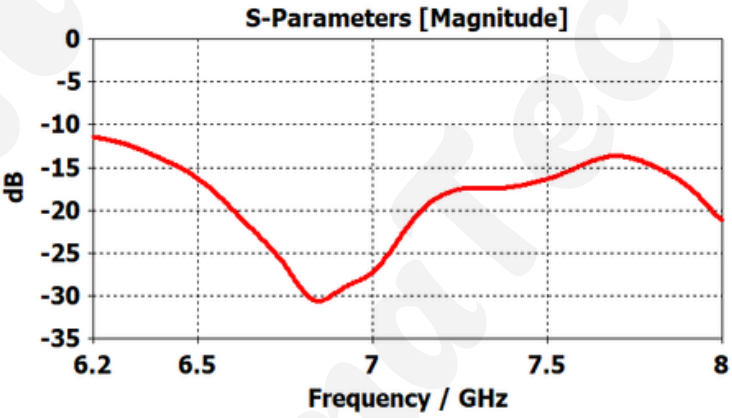
Operating frequency band	6.2 - 8 GHz
Connector	N type female
VSWR	< 2:1
Gain	> 12 dBi
3dB Beamwidth	20-30 degrees
Polarization	circular polarization
Size	length 20cm, width 13cm
Axial Ratio	< 2dbi

This high-performance helical antenna covers 6.2–8 GHz frequency range and provides circularly polarised directional gain for upper C-band and lower X-band RF applications. With more than 12 dBi gain, controlled beamwidth, and compact radome construction, it is suitable for drone jamming, high-frequency telemetry, tracking links, wireless video systems, RF field testing, and directional communication platforms requiring stable circular polarisation.

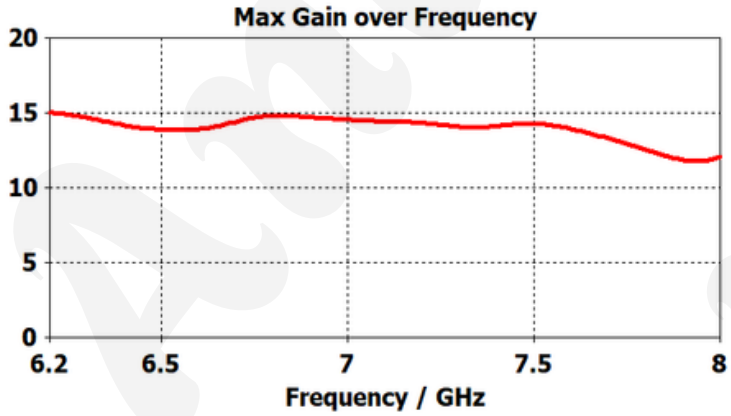
VSWR



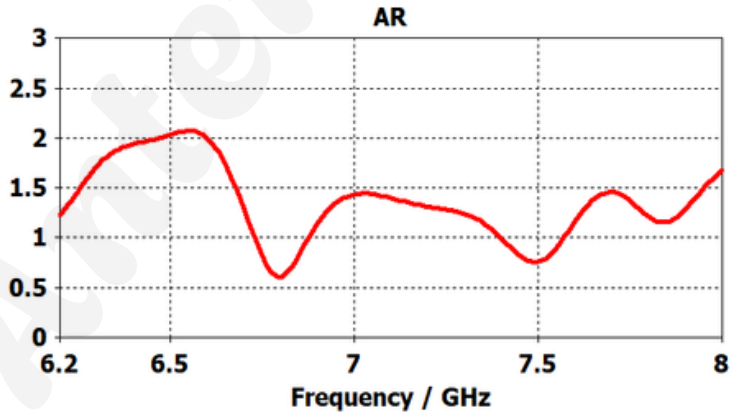
S11



Gain



Axial Ratio



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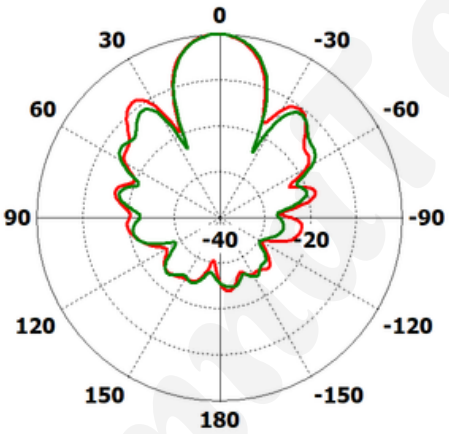
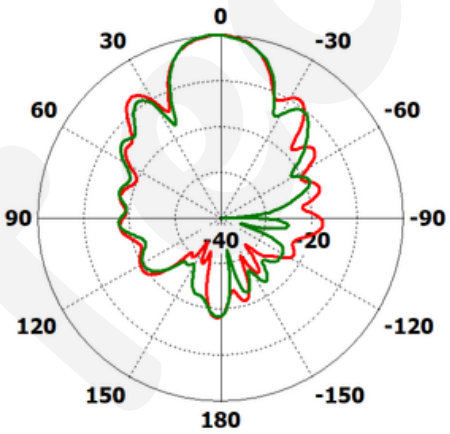
Radiation Patterns: Red = Phi 0; Green= Phi 90

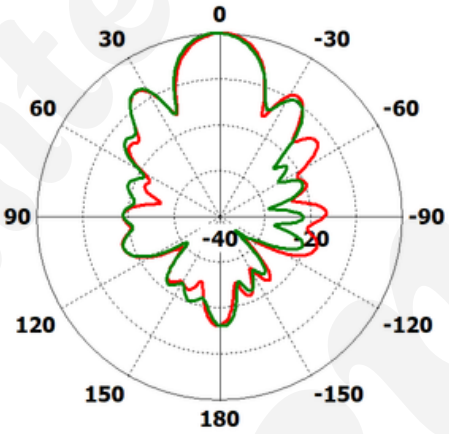
6.2GHz



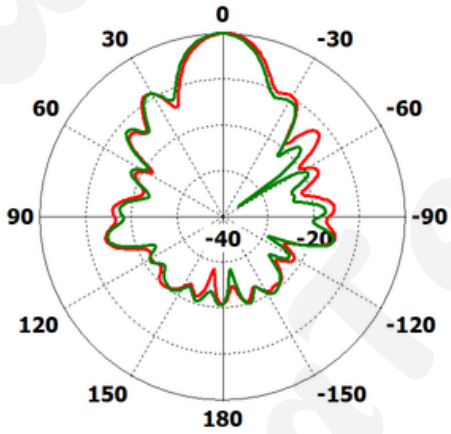
6.6GHz



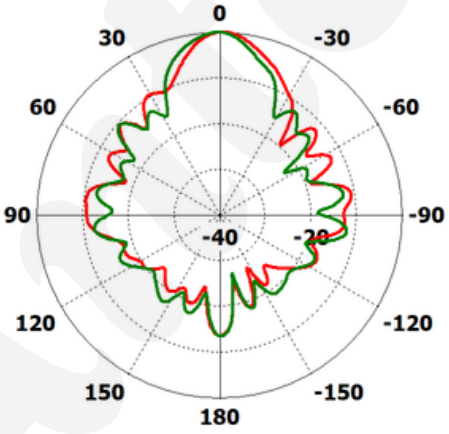
7GHz



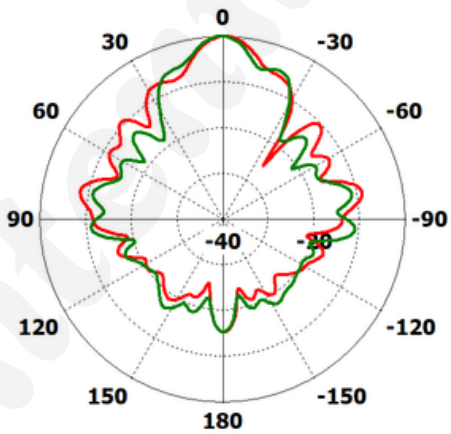
7.4GHz



7.8GHz



8GHz



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