

5.72-5.88 GHz circularly polarized helical antenna fitted with an N type connector and radome

AT-HL-5.72-5.88-N



Key Specifications

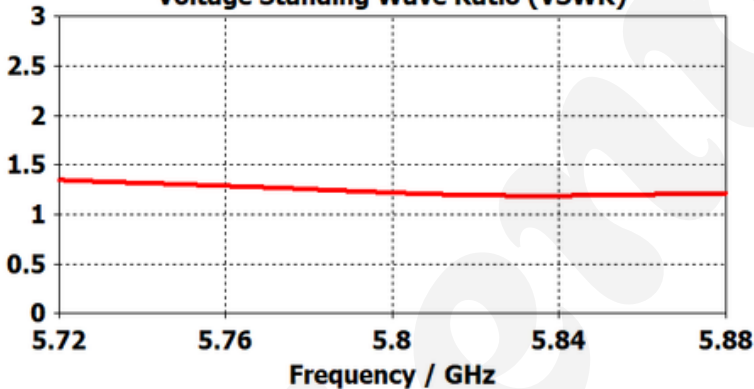
Operating frequency band	5.72-5.88 GHz
Connector	N type female
VSWR	< 1.5:1
Gain	> 16 dBi
3dB Beamwidth	20 degrees
Polarization	circular polarization
Size	length 31cm, dia 14cm
Axial Ratio	< 1.5dbi

This circularly polarized helical antenna designed for reliable wireless communication across 5.72–5.88 GHz frequency band. Its circular polarization minimizes signal degradation caused by multipath reflections and antenna misalignment, making it ideal for UAV communications, telemetry systems, video transmission links, tracking applications, and other long-range wireless networks requiring high-performance connectivity.

Please contact AntennaTec for a full interface control drawing.

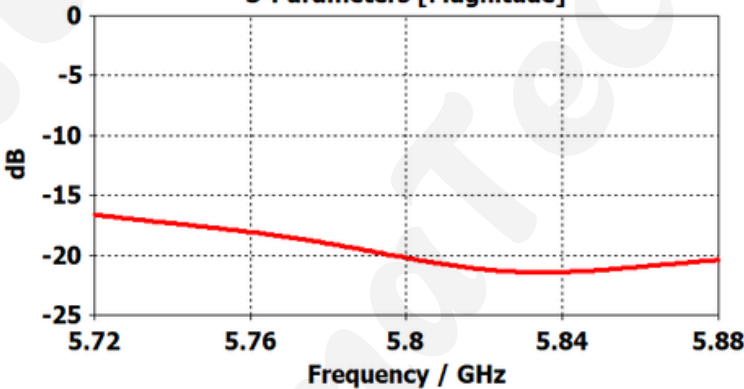
VSWR

Voltage Standing Wave Ratio (VSWR)



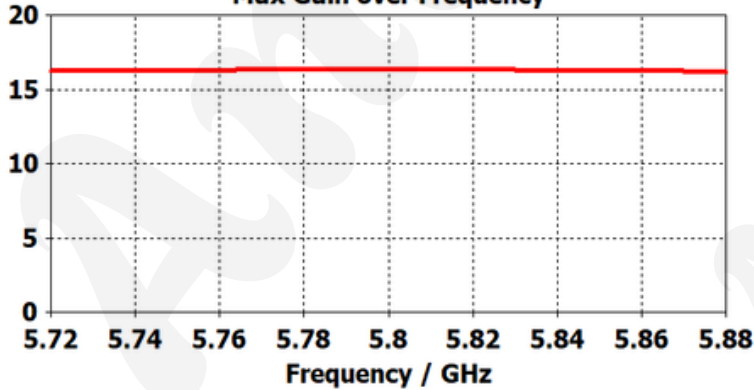
S11

S-Parameters [Magnitude]



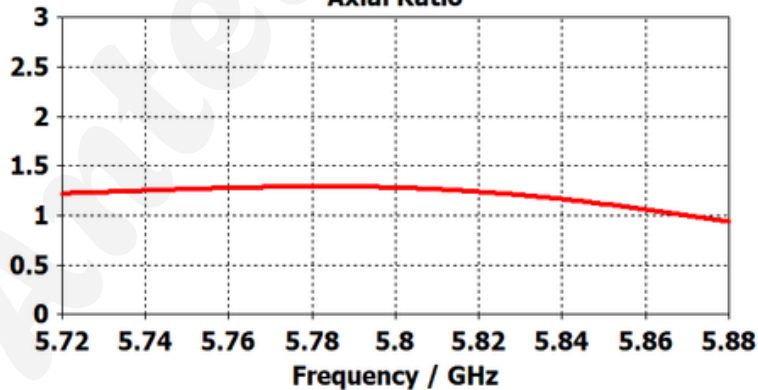
Gain

Max Gain over Frequency



Axial Ratio

Axial Ratio

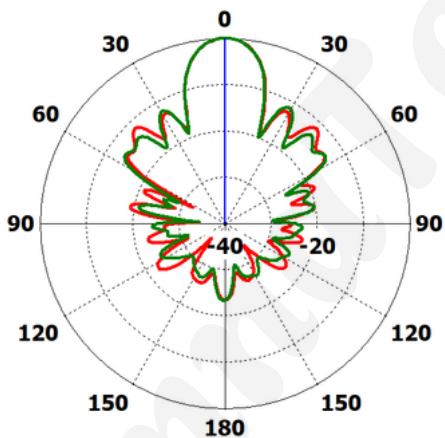


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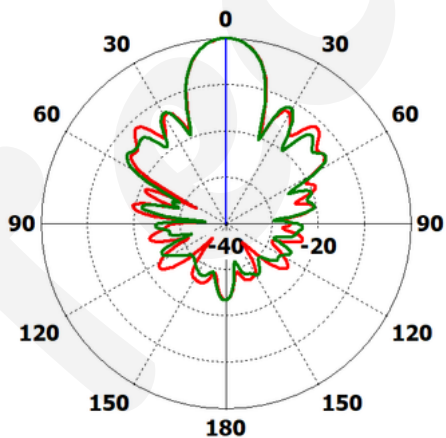


Radiation Patterns: Red = Phi 0; Green = Phi 90

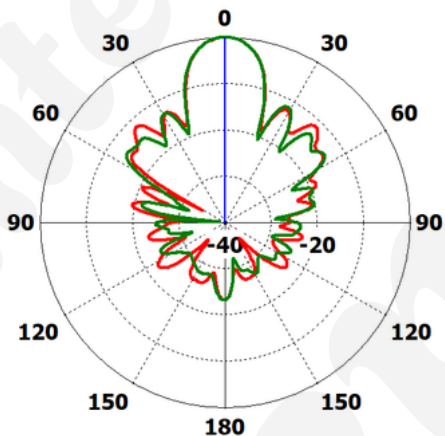
5.72GHz



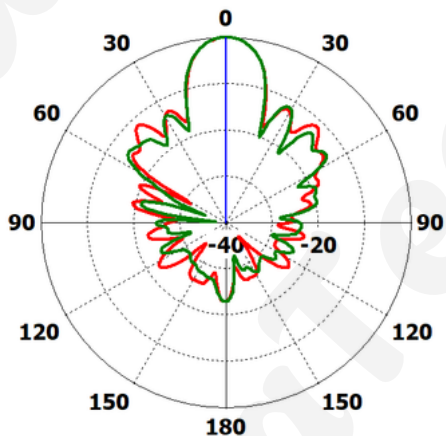
5.75GHz



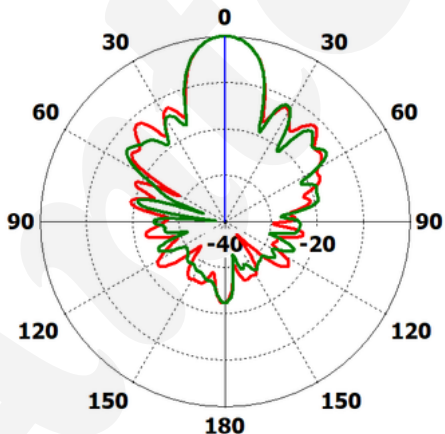
5.78GHz



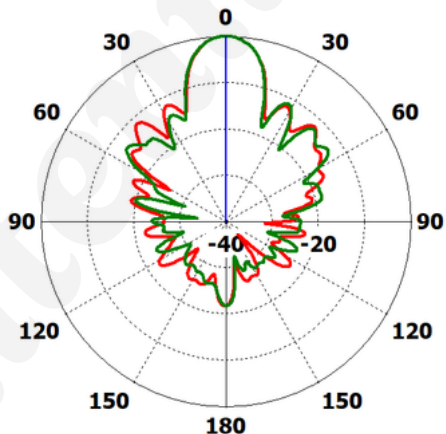
5.81GHz



5.84GHz



5.88GHz



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