

AT-HL-4.5-5.9-S



Please contact AntennaTec for a full interface control drawing.

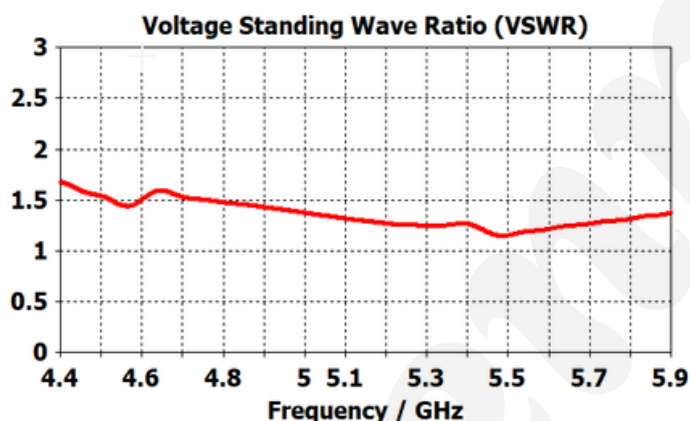
4.5-5.9 GHz helical circularly polarized Antenna fitted with a SMA connector

Key Specifications

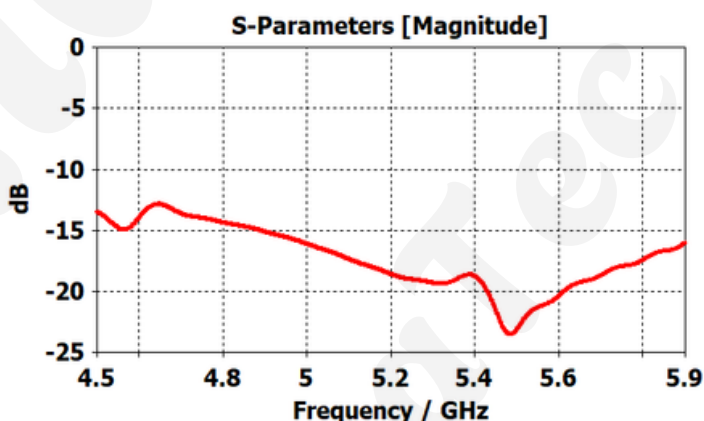
Operating frequency band	4.5-5.9 GHz
Connector	SMA
VSWR	< 2:1
Polarization	LHCP
Power	20 W
Dimensions	10 cm
Gain	4 dBi

This circularly polarized helical antenna operates across the 4.5–5.9 GHz frequency range and provides left-hand circularly polarised performance in a compact antenna format. Its helix radiating structure, SMA interface, and stable circular polarisation make it suitable for UAV links, video transmission, telemetry, compact airborne platforms, wireless control links, and applications requiring reduced polarisation mismatch in dynamic operating conditions.

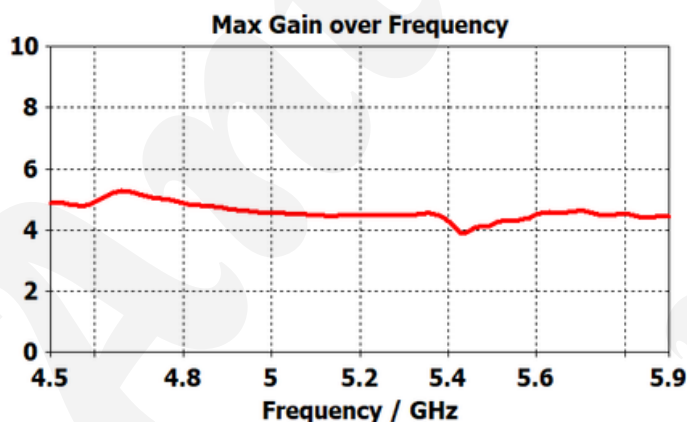
VSWR



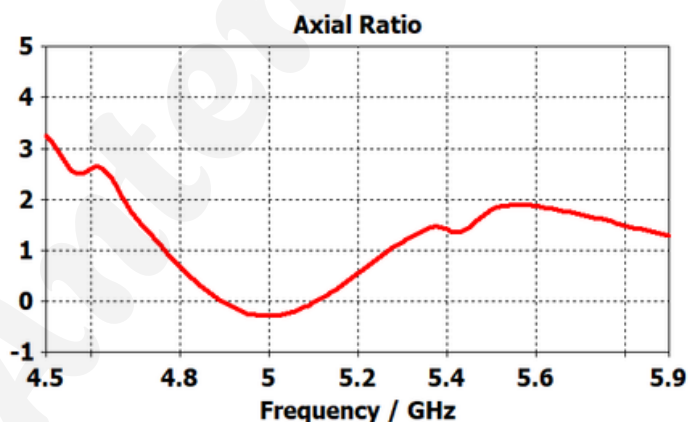
S11



Gain



Axial Ratio

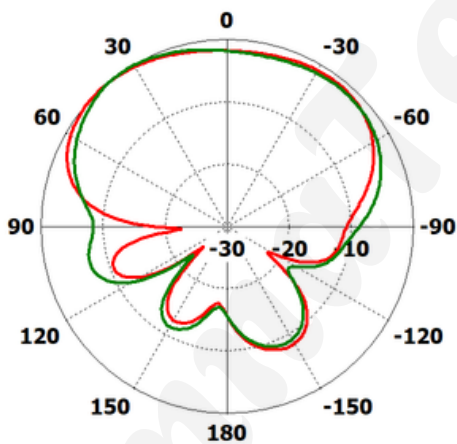


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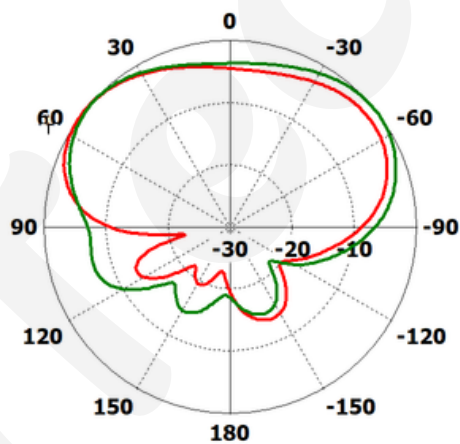


Radiation Patterns: Red = Phi 0; Green = Phi 90

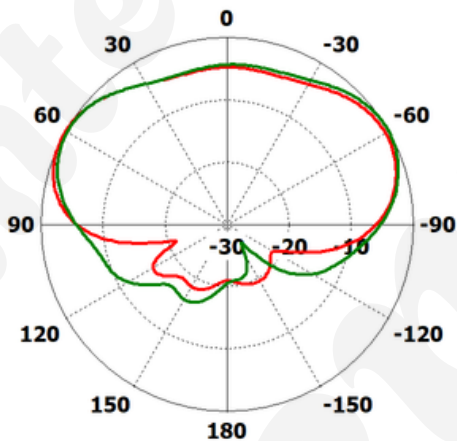
4.5GHz



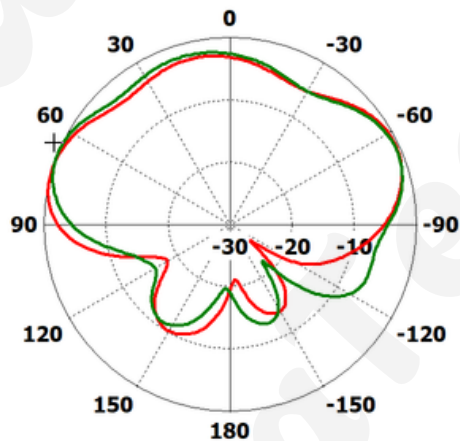
4.8GHz



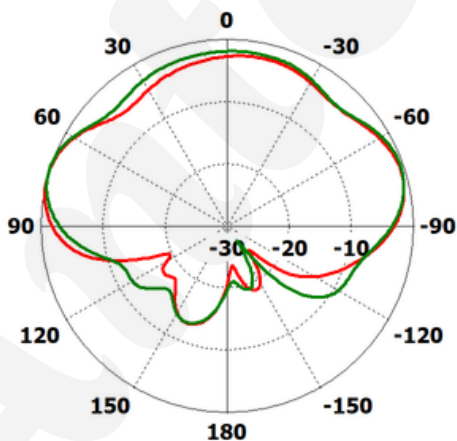
5.1GHz



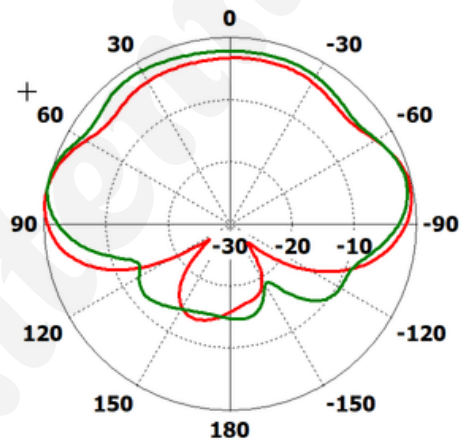
5.4GHz



5.6GHz



5.9GHz



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