

AT-HL-2.4-5.8-N



Key Specifications

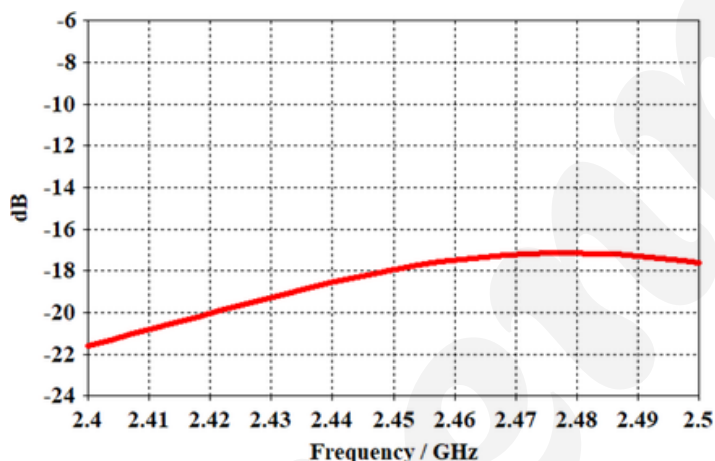
Operating frequency bands	2.4 - 2.5GHz & 5.1-5.9 GHz
Connector	N type female
VSWR	< 2:1
Gain	> 14 dBi
Polarization	circular polarization(RHCP)
Size	length 38 cm, dia 13 cm
Axial Ratio	< 2dbi

This dual-band dual helical antenna supports circularly polarized operation across 2.4–2.5 GHz and 5.1–5.9 GHz frequency bands, providing two-band wireless link capability in a compact antenna solution. Its helical structure, radome-based construction, and separate band performance make it suitable for UAV data links, telemetry, video transmission, control links, and field communication platforms requiring reliable dual-frequency operation.

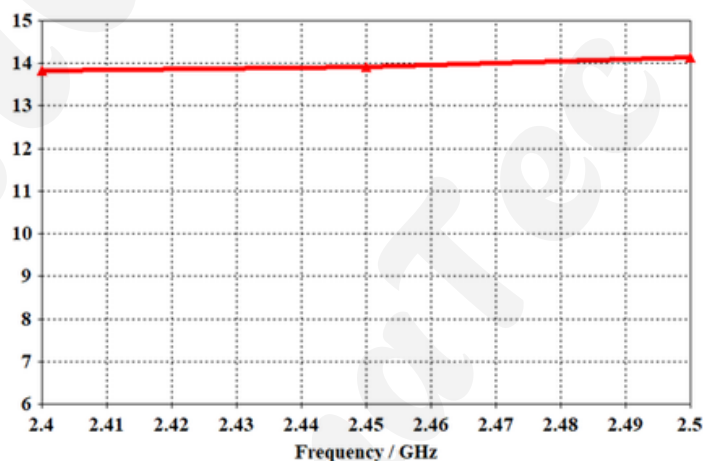
Please contact AntennaTec for a full interface control drawing.

Antenna 1, Port 1

S11

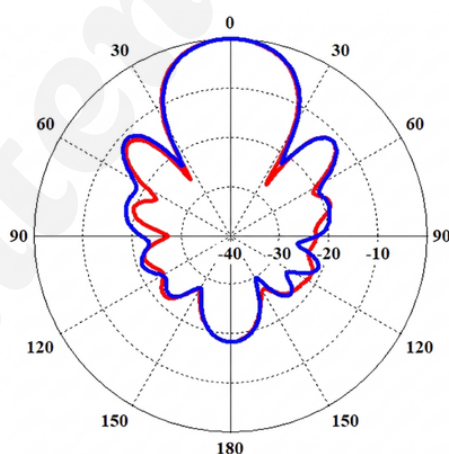
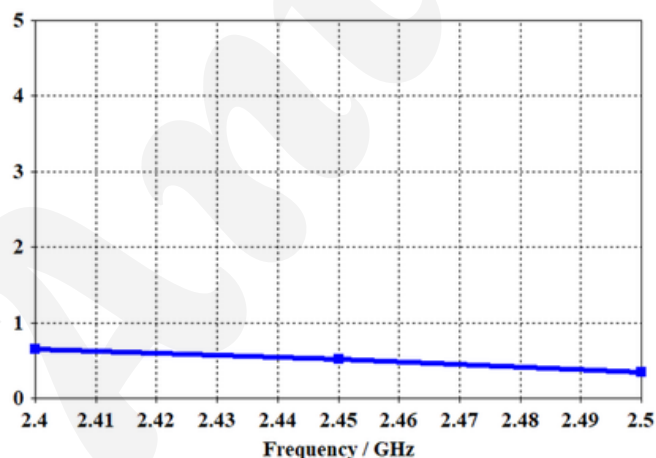


Gain



Axial Ratio

f = 2.45GHz, Red--Phi=0 , Blue--Phi=90

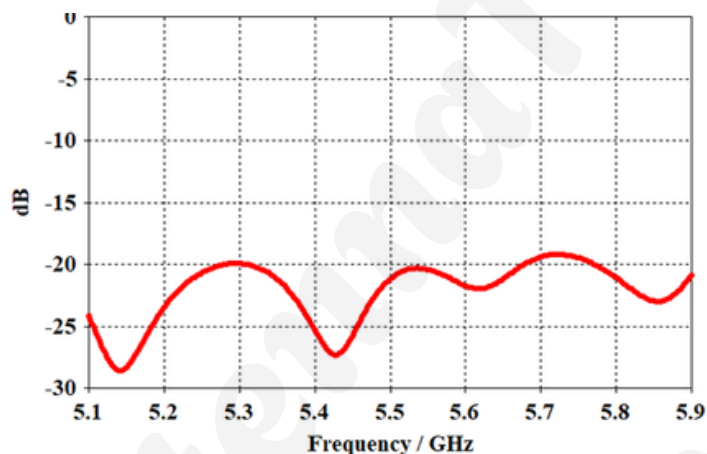


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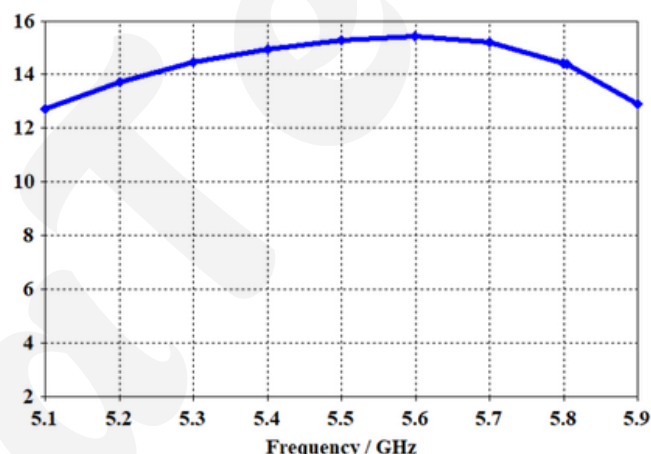


Antenna 2 Port 2

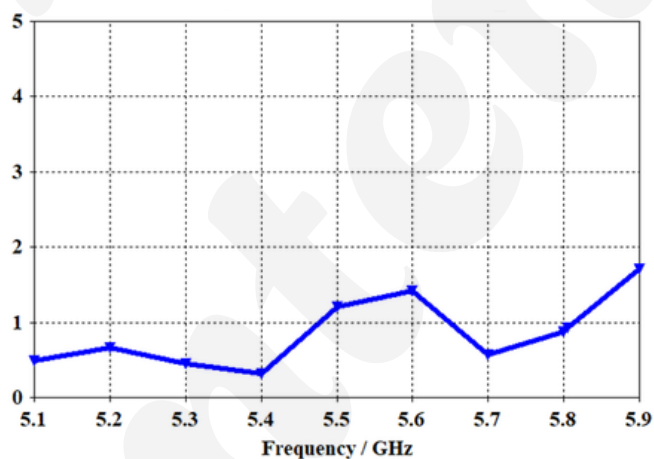
S11



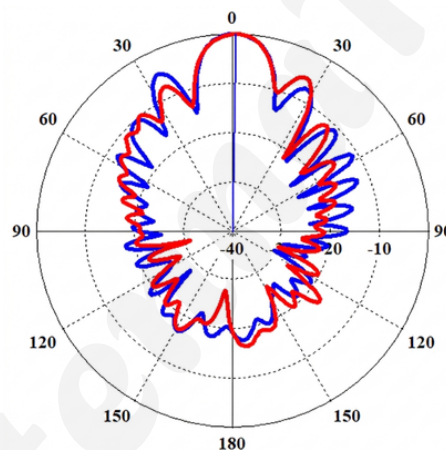
Gain



Axial Ratio



f=5.8GHz, Red--Phi=0 , Blue--Phi=90



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