

## AT-HL-2.4-2.5-N



## Key Specifications

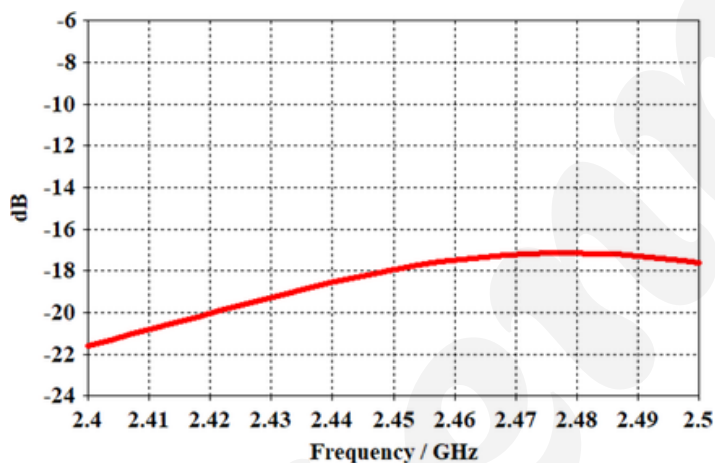
|                          |                             |
|--------------------------|-----------------------------|
| Operating frequency band | 2.4 - 2.5GHz                |
| Connector                | N type female               |
| VSWR                     | < 2:1                       |
| Gain                     | > 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.

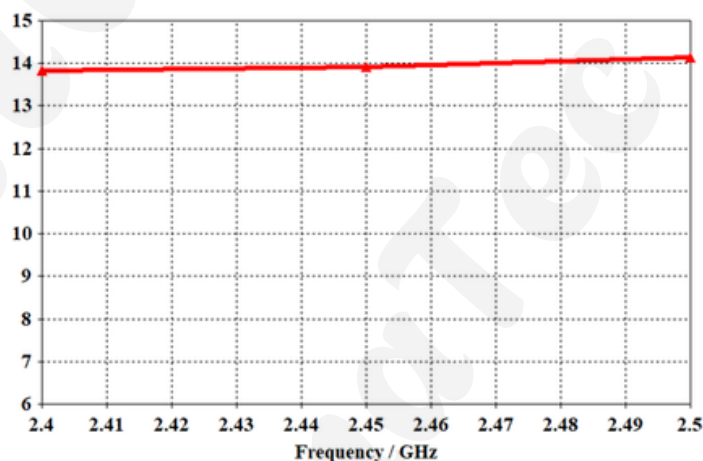
Please contact AntennaTec for a full interface control drawing.

## Antenna 1, Port 1

### S11

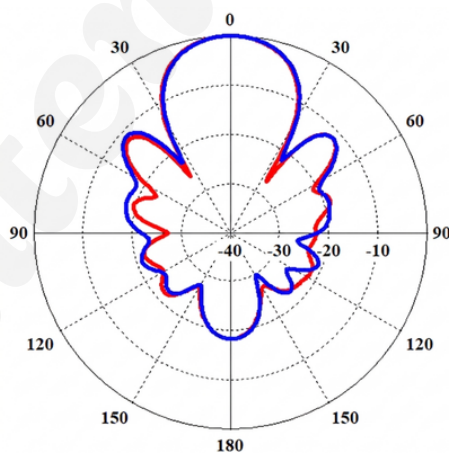
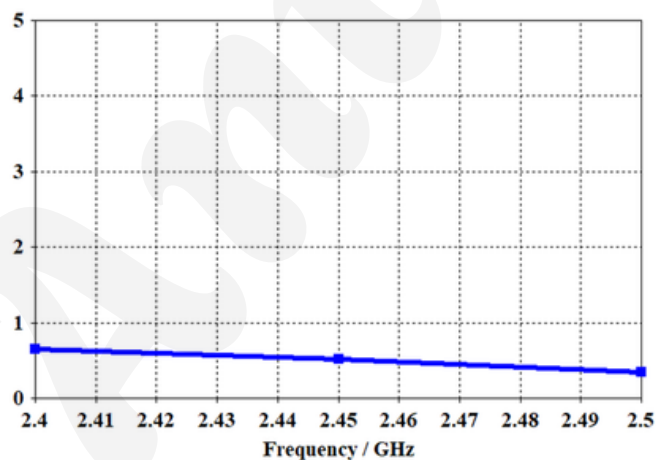


### Gain



### Axial Ratio

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

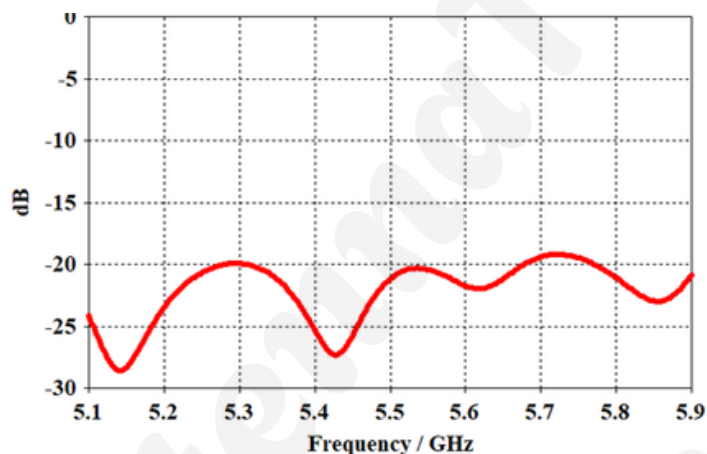


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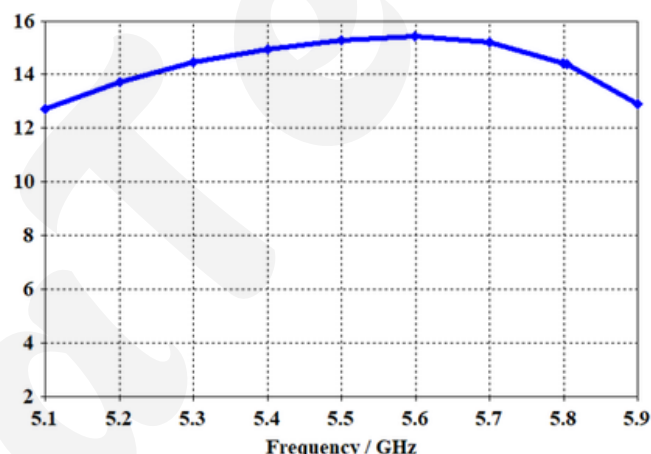


## Antenna 2 Port 2

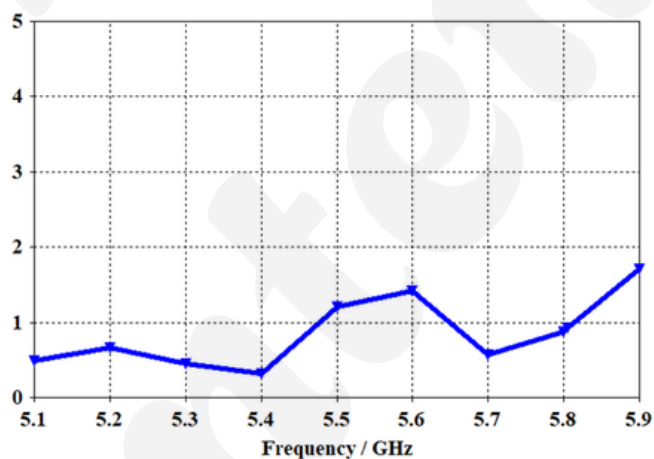
**S11**



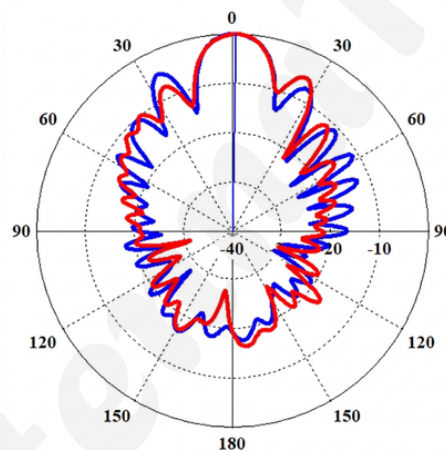
**Gain**



**Axial Ratio**



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



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