

AT-HL-2.2-2.4-N



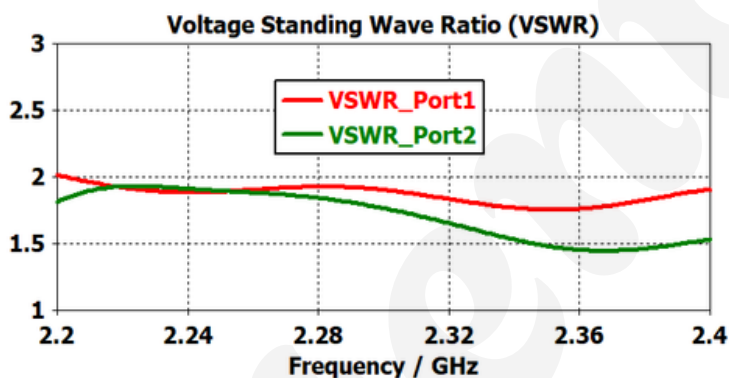
## Key Specifications

|                          |                                    |
|--------------------------|------------------------------------|
| Operating frequency band | 2.2 - 2.4 GHz                      |
| Connector                | N type female                      |
| VSWR                     | < 2:1                              |
| Gain                     | > 15 dBi                           |
| 3dB Beamwidth            | 25-60 degrees                      |
| Polarization             | circular polarization(RHCP & LHCP) |
| Size                     | length 77cm, width 41cm            |
| Axial Ratio              | < 3dbi                             |

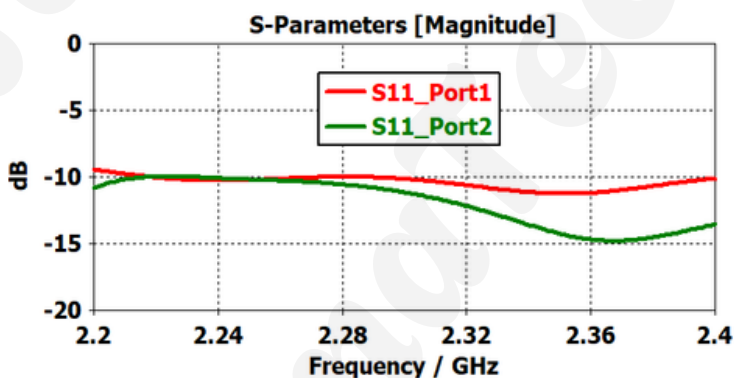
This dual-polarized helical antenna operates across 2.2–2.4 GHz frequency band and provides high-gain circularly polarized performance for long-range wireless links. Its RHCP and LHCP capability, strong gain, and controlled axial-ratio response make it suitable for UAV communication, tracking links, telemetry, aerospace platforms, and directional RF applications requiring polarization flexibility and stable link performance.

Please contact AntennaTec for a full interface control drawing.

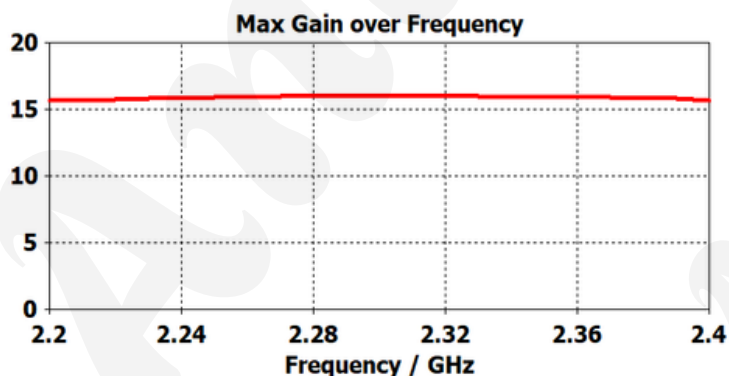
## VSWR



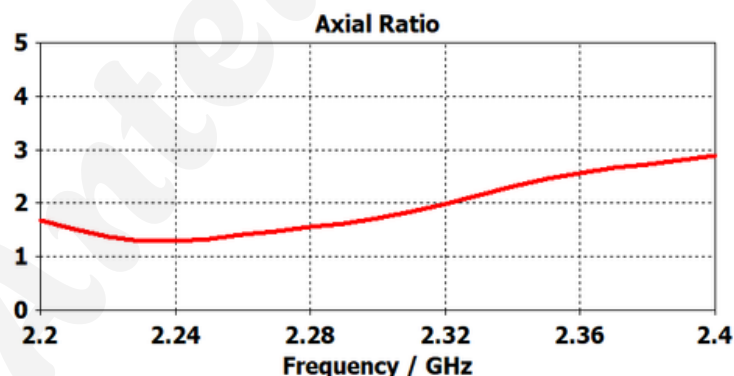
## S11



## Gain



## Axial Ratio

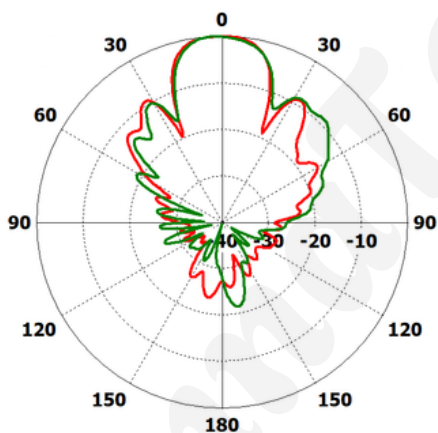


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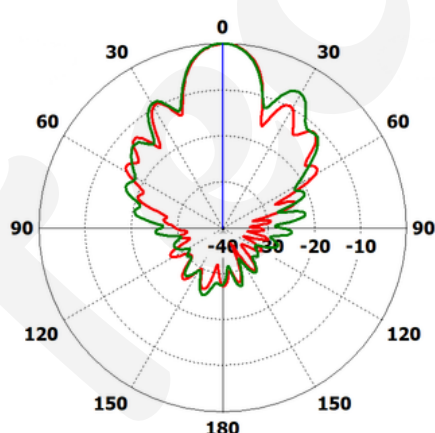


Radiation Patterns: Red = Phi 0; Green= Phi 90

2.2GHz

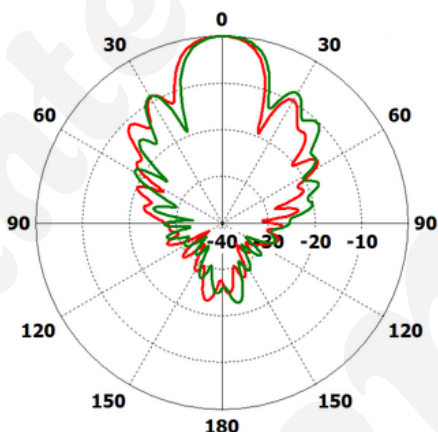


2.2GHz

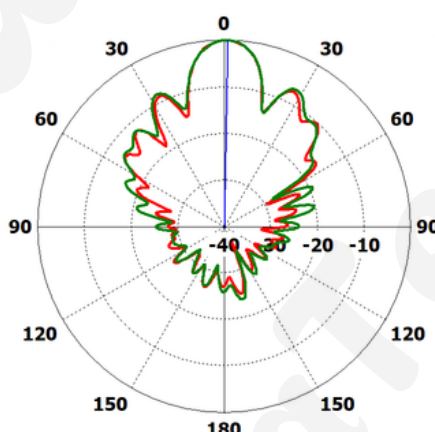


Antenna 1  
Antenna 2

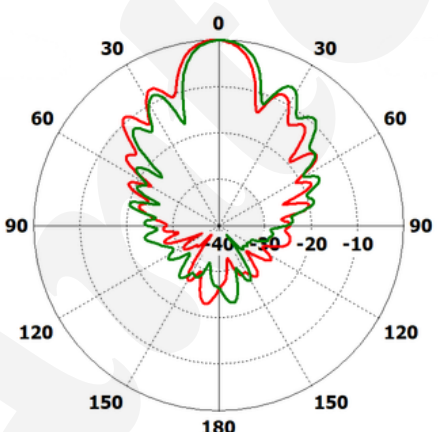
2.3GHz



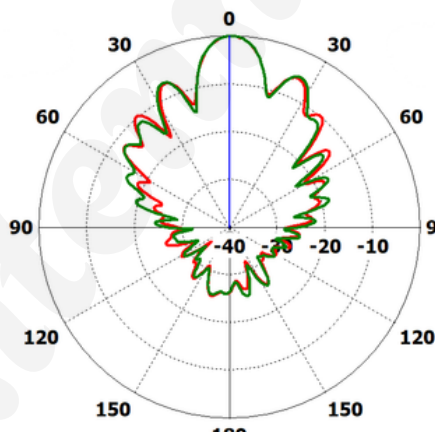
2.3GHz



2.4GHz



2.4GHz



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