

## AT-S-18-42-C



Please contact AntennaTec for a full interface control drawing.

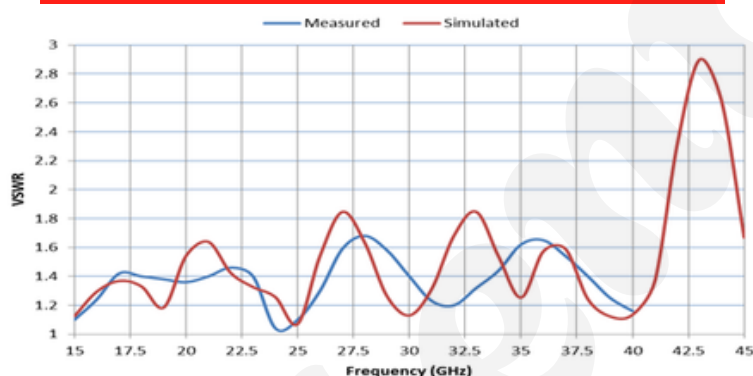
18-42 GHz circularly polarized spiral antenna fitted with an 2.4mm connector

### Key Specifications

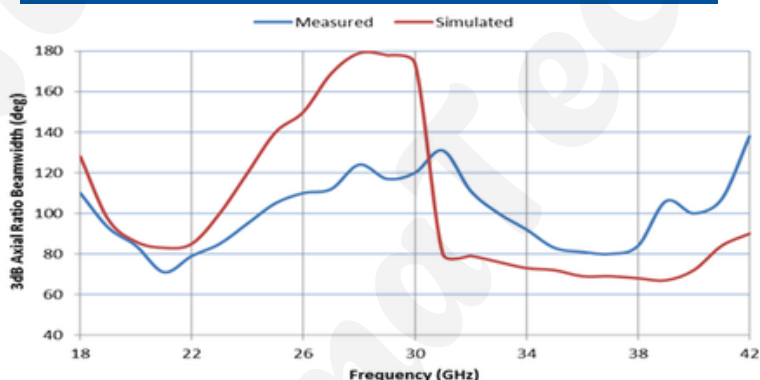
|                          |                       |
|--------------------------|-----------------------|
| Operating frequency band | 18 - 42 GHz           |
| Connector                | SMA female            |
| VSWR                     | < 2:1                 |
| Gain                     | > 2 dBi               |
| 3dB Beamwidth            | 70-140 degrees        |
| Polarization             | circular polarization |
| Size                     | height 19mm, dia 23mm |
| Axial Ratio              | < 2.5 dbi             |

This millimetre-wave spiral antenna covers 18–42 GHz frequency range and provides ultra-wideband circularly polarised performance for high-frequency RF applications. Its compact aperture, broad beam response, and stable polarisation behaviour make it suitable for mmWave spectrum monitoring, RF measurement, sensing, electronic support, antenna testing, high-frequency receiver systems, and broadband microwave/millimetre-wave evaluation platforms.

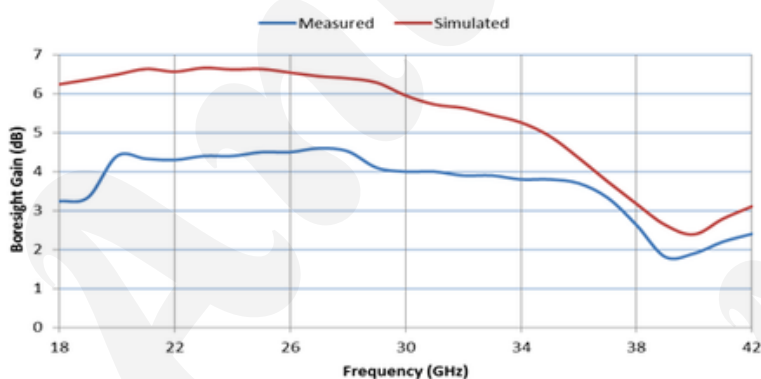
### VSWR



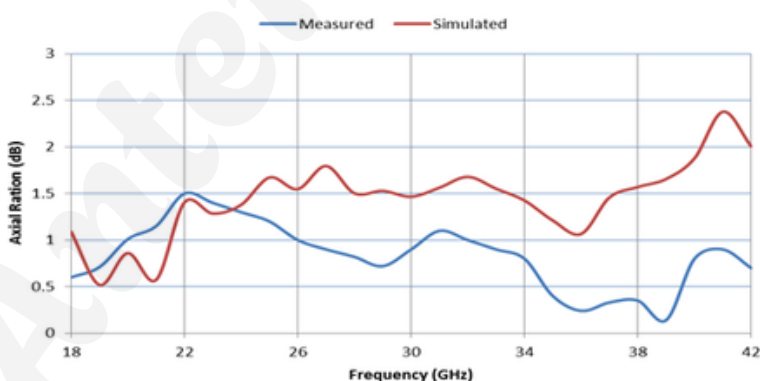
### Beamwidth



### Gain



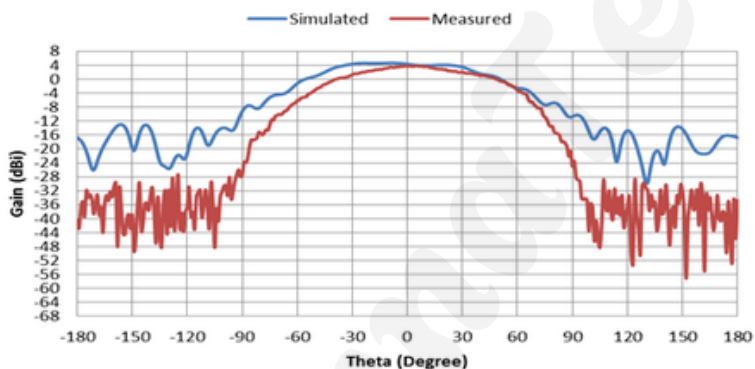
### Axial Ratio



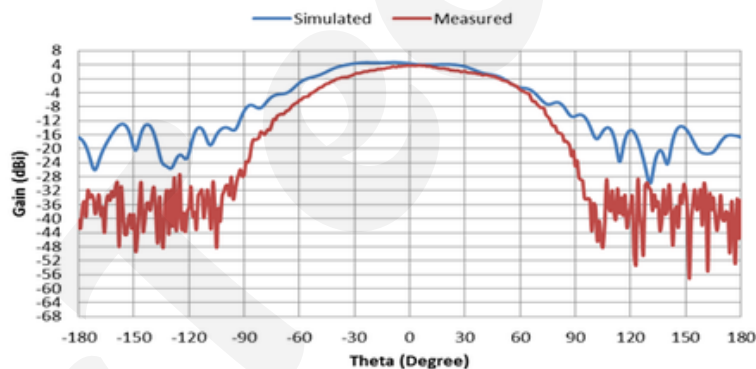
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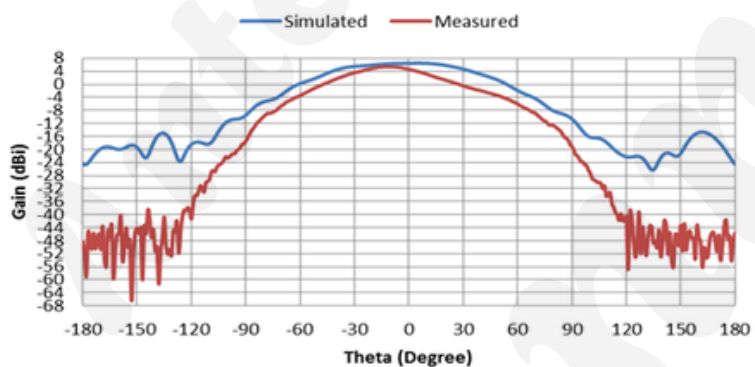
18GHz Phi=0



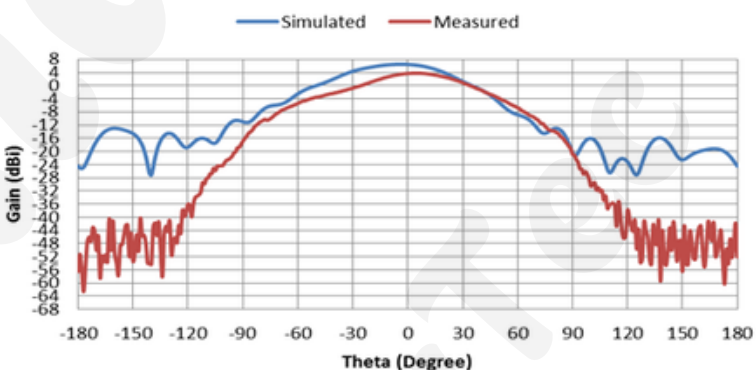
18GHz Phi=90



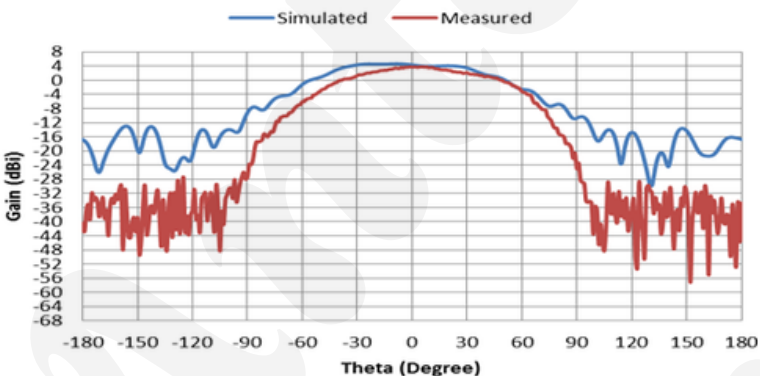
27GHz Phi=0



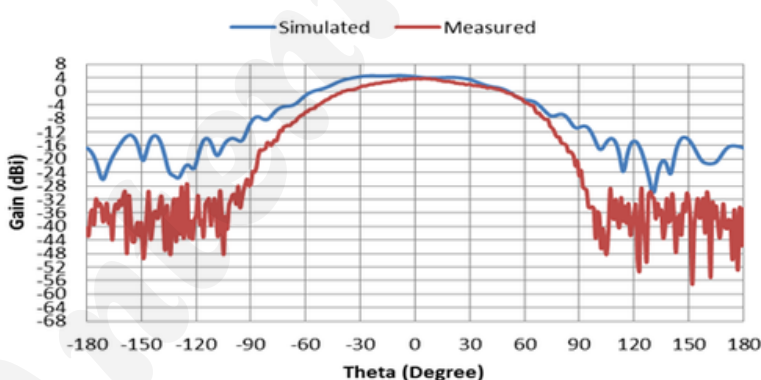
27GHz Phi=90



36GHz Phi=0



36GHz Phi=90



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