

AT-S-18-42-X



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

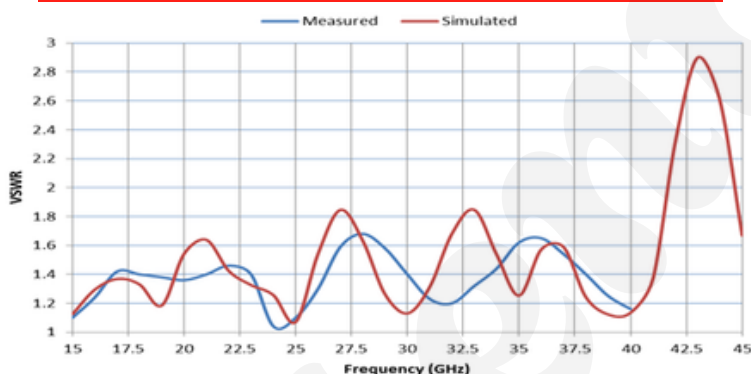
Key Specifications

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

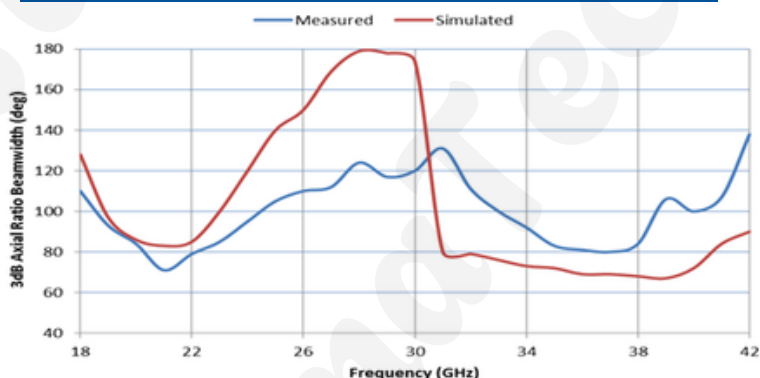
This millimetre-wave spiral antenna covers 18–42 GHz frequency range and provides ultra-wideband circularly polarised performance for high-frequency RF applications. Its compact aperture, broad beam response, and stable polarisation behaviour make it suitable for mmWave spectrum monitoring, RF measurement,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

Please contact AntennaTec for a full interface control drawing.

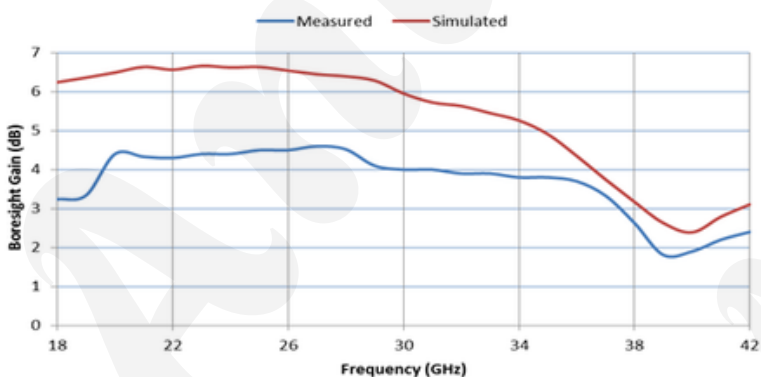
VSWR



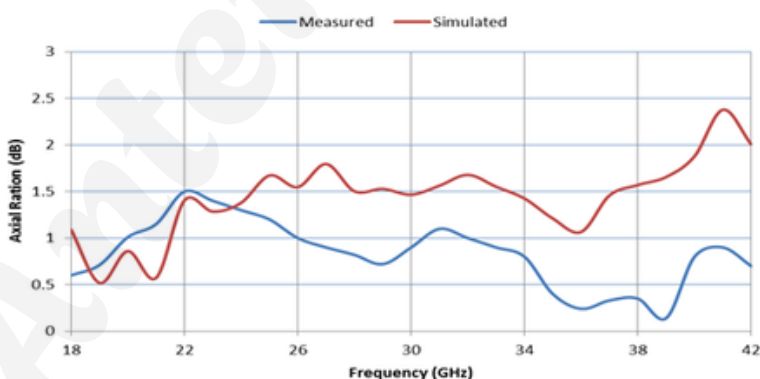
Beamwidth



Gain



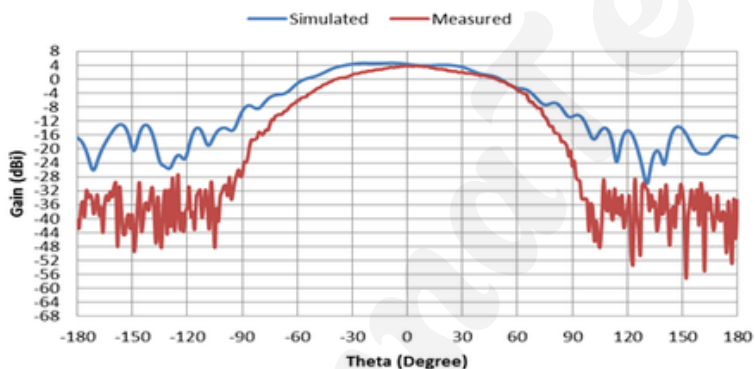
Axial Ratio



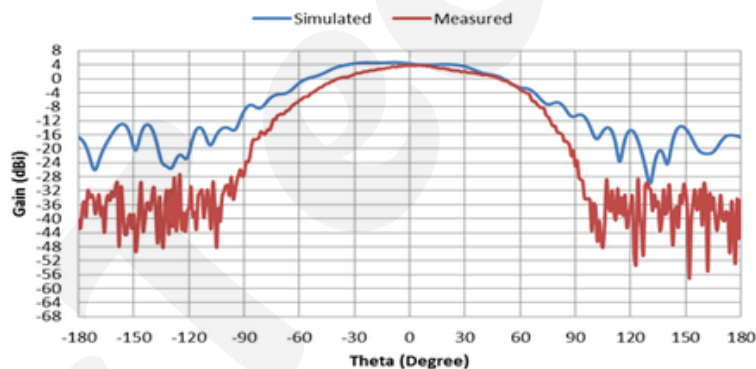
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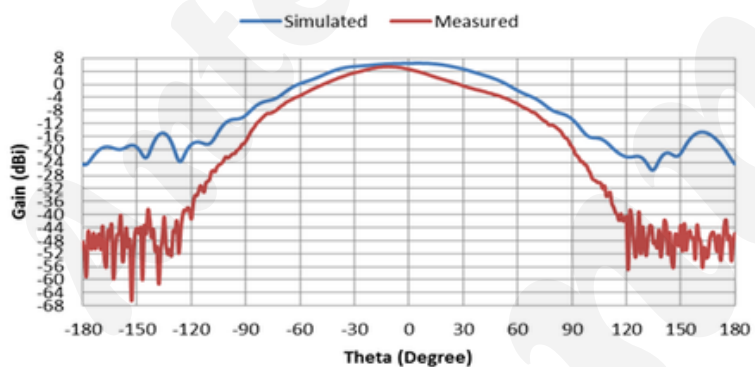
18GHz Phi=0



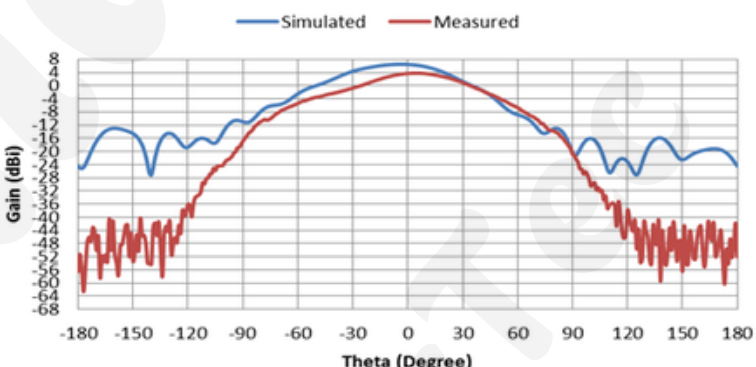
18GHz Phi=90



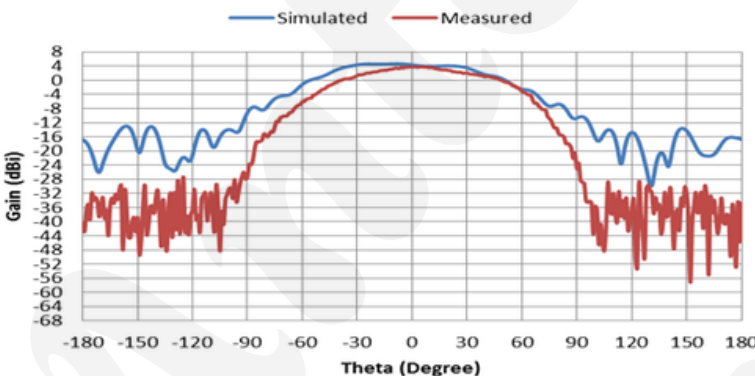
27GHz Phi=0



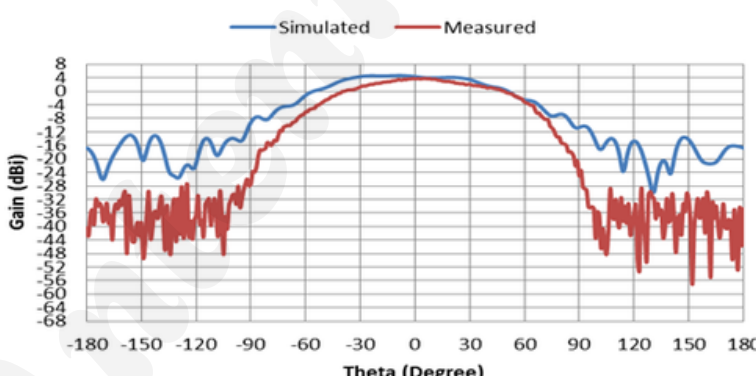
27GHz Phi=90



36GHz Phi=0



36GHz Phi=90



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