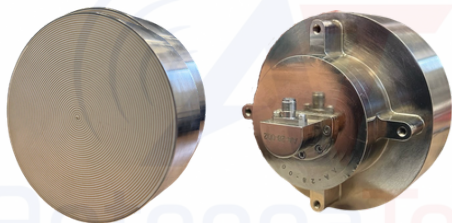


AT-S-1-6-S



1-6 GHz circularly polarized spiral antenna fitted with an SMA connector

Key Specifications

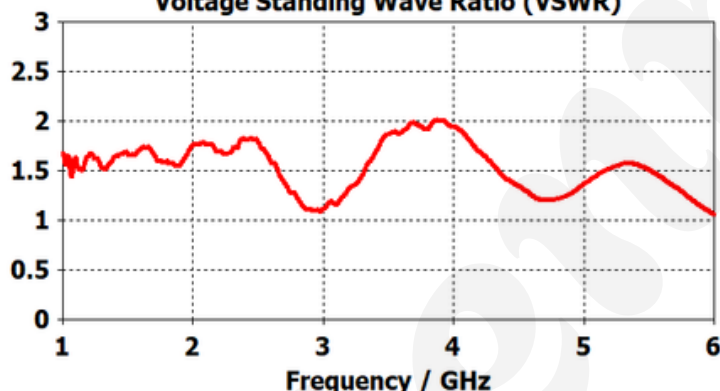
Operating frequency band	1 - 6 GHz
Connector	SMA female
VSWR	< 2:1
Gain	-2 to 5 dBi
3dB Beamwidth	60-90 degrees
Polarization	circular polarization
Size	height 75mm, dia 98mm
Axial Ratio	< 2dbi

This broadband spiral antenna covers 1–6 GHz frequency range and provides circularly polarised performance for wideband RF communication, monitoring, and test applications. Its compact geometry, broad beamwidth, and controlled axial-ratio response make it suitable for spectrum monitoring, direction finding, RF measurement, UAV payloads, telemetry, surveillance platforms, and wireless systems operating in dynamic propagation environments.

Please contact AntennaTec for a full interface control drawing.

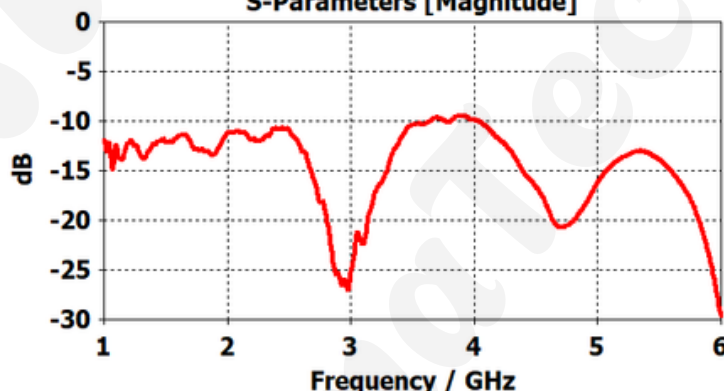
VSWR

Voltage Standing Wave Ratio (VSWR)



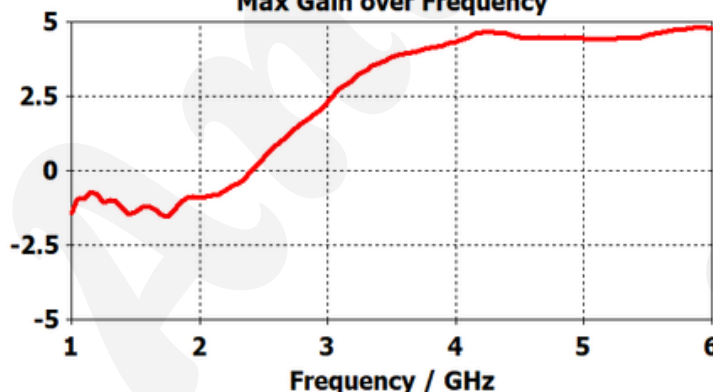
S11

S-Parameters [Magnitude]



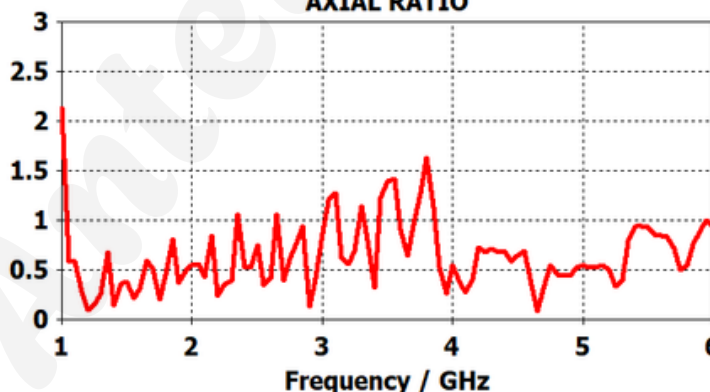
Gain

Max Gain over Frequency



Axial Ratio

AXIAL RATIO

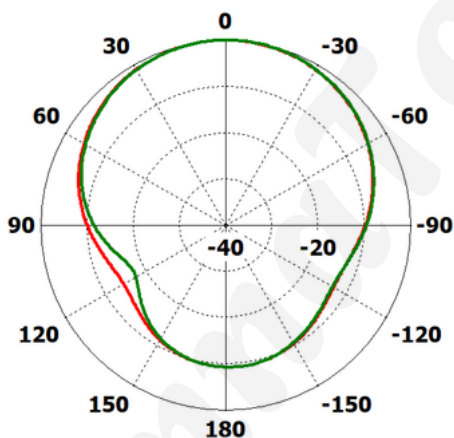


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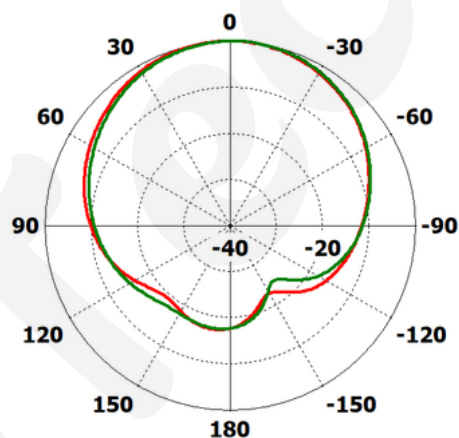


Radiation Patterns: Red = Phi 0; Green = Phi 90

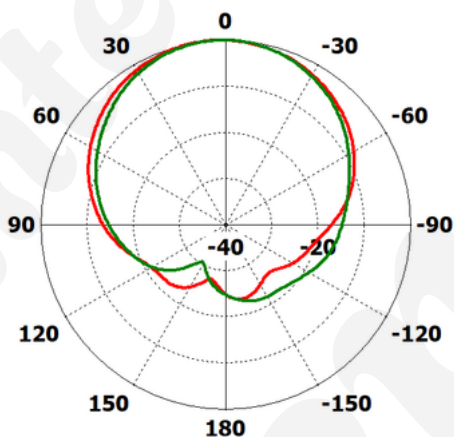
1GHz



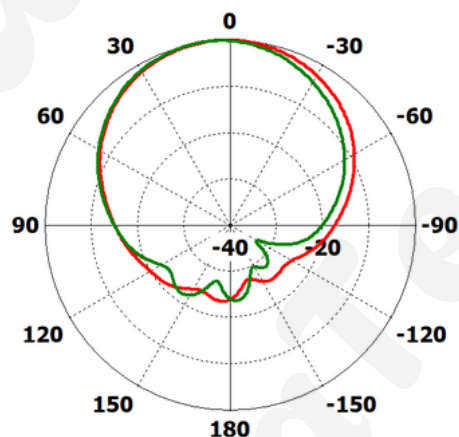
2GHz



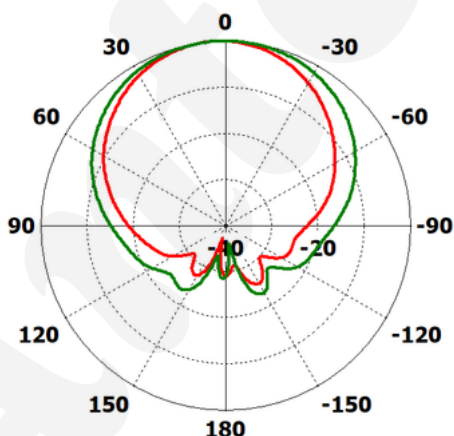
3GHz



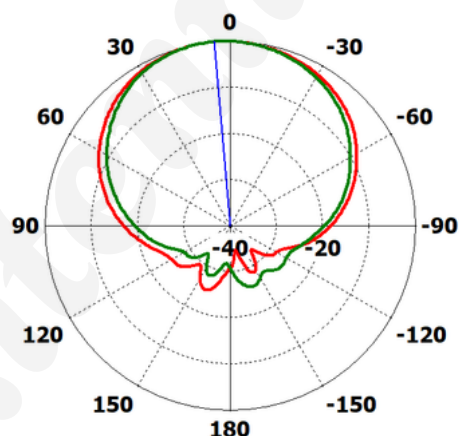
4GHz



5GHz



6GHz



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