

High Power Circular Polarised Antenna

1000 – 2500 MHz

Product Code: SPRL-A0019

VERSION: 1.2

SPECIFICATIONS:



*Picture is representative only

Product Codes:	
SPRL-A0019-01	RHCP
SPRL-A0019-02	LHCP
Electrical	
Frequency range	1000 - 2500 MHz
Gain	> 6 dBic typical
Beamwidth	55° (typical)
Polarisation	RHCP or LHCP
Nominal impedance	50 Ω
VSWR	< 2.0:1
Power handling	100 W CW
Connector	N-type female
Mechanical:	
Overall height:	300 mm
Diameter:	165 mm (Radome) 220 mm (Mounting flange)
Total mass	< 2 kg
Colour	Painted on request
Environmental: designed to meet the following specifications	
Temperature range	Storage: -41 °C to +71 °C. Operation -31 °C to +55 °C
Weatherproofing	IP 66 water resistant
Exposed materials	Chromated aluminium Painted ABS

PRODUCT OVERVIEW:

SPRL-A0019 is a high power, wideband conical spiral, circularly polarised antenna designed operation in the 1000 - 2500 MHz band. The antenna provides broad beam coverage without nulls or reduction in performance.

The antenna features a low VSWR and high gain over the operating band with a fibre glass radome to protect the radiator.

PRODUCT FEATURES:

- RHCP/LHCP antenna
- High power
- Low VSWR

AUTHORIZED USA DISTRIBUTION BY:

Cyntony Corporation
 195 Follen Road
 Lexington, Massachusetts
 sales@cyntony.com
 781-430-0675



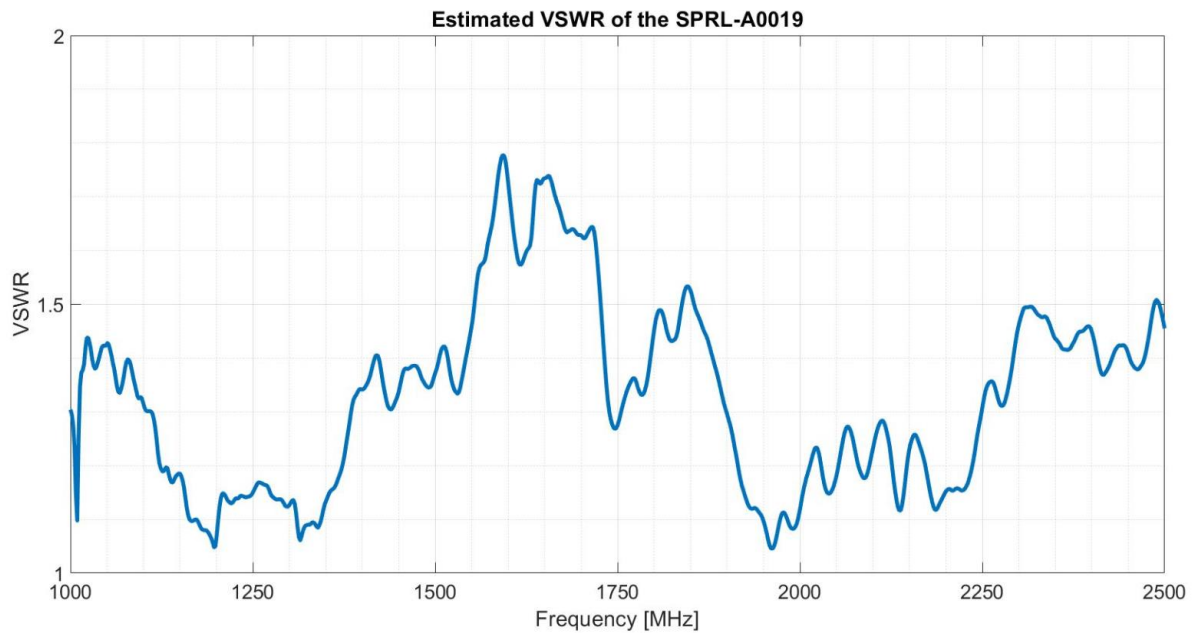
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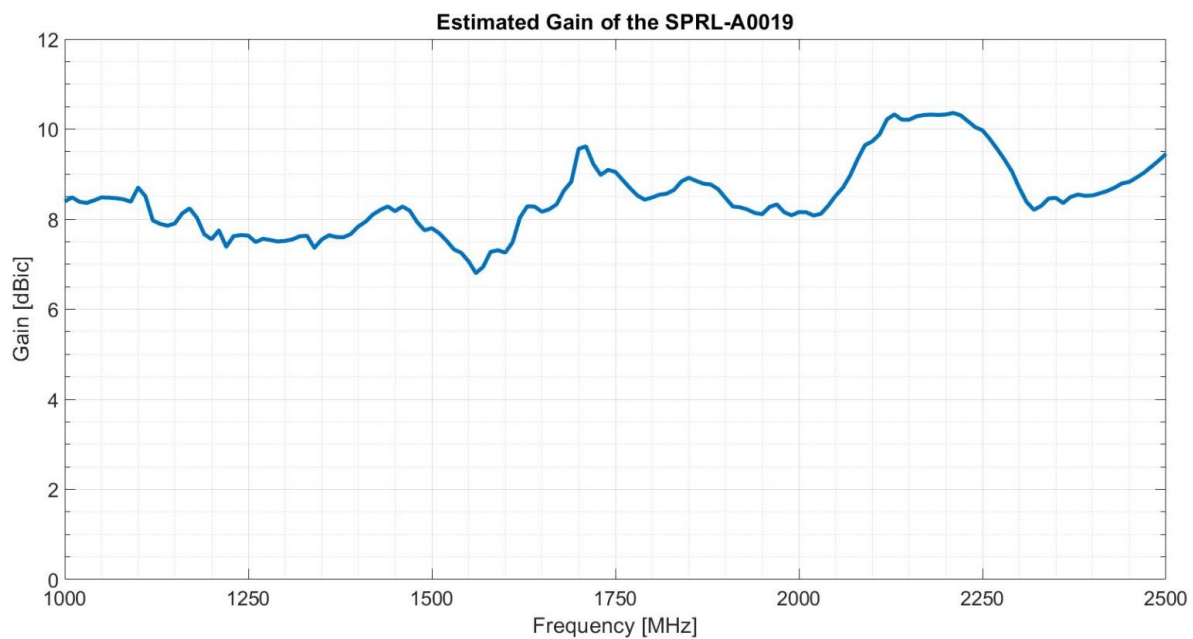
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VSWR:



Gain:



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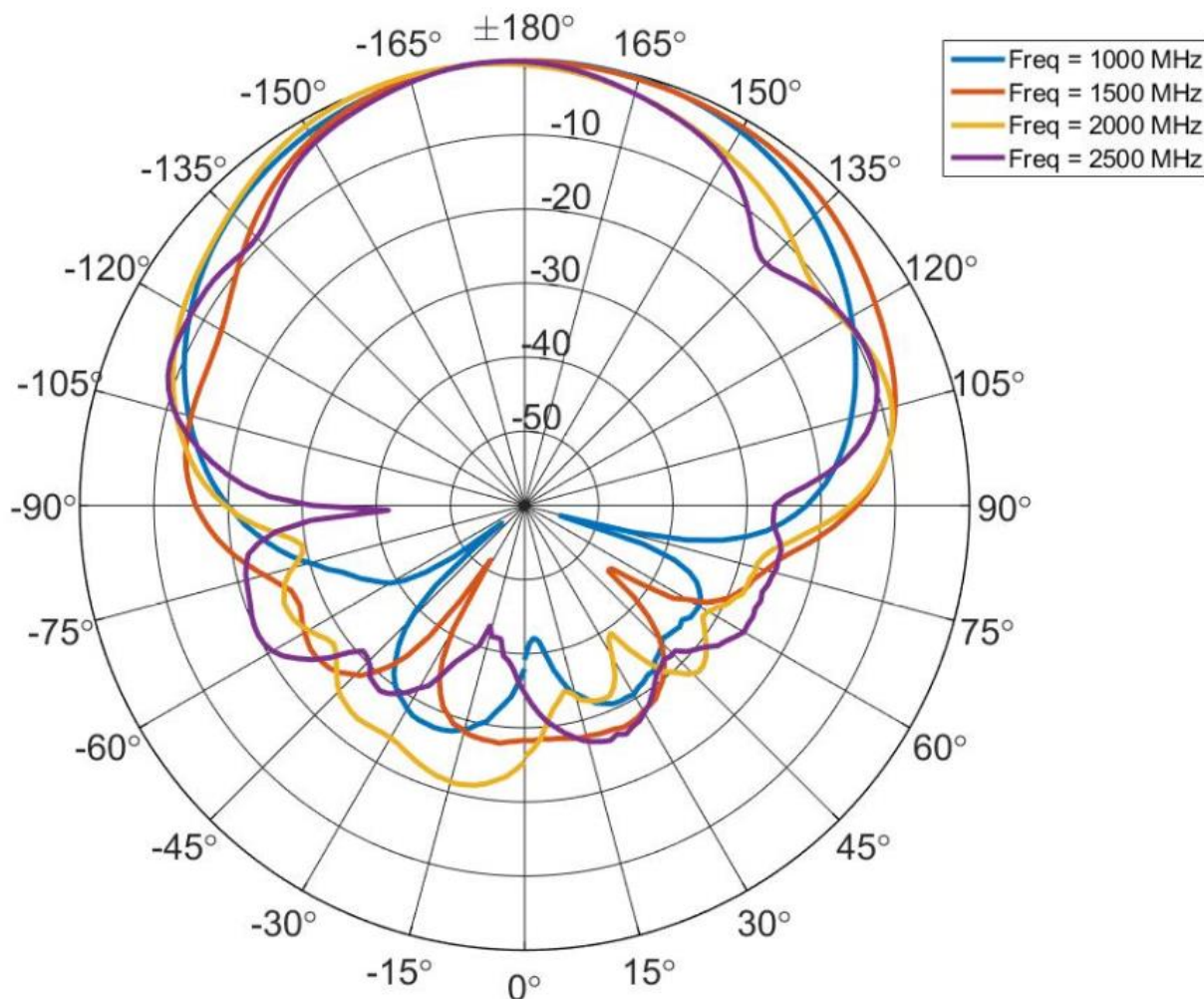
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Radiation Pattern:

Estimated Radiation patterns of the SPRL-A0019



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