

High Power Circular Polarised Antenna

400 – 450 MHz

Product Code: SPRL-A0005

VERSION: 1.6



SPECIFICATIONS:

Electrical	
Frequency range	400 – 450 MHz
Gain	> 6 dBi typical
Beamwidth	100° (typical)
Polarisation	LHCP
Nominal impedance	50 Ω
VSWR	< 1.5:1
Power handling	700 W CW
Connector	7/16 female
Mechanical:	
Dimensions (d x l)	Ø 500 mm x 875 mm
Total mass	< 15 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	Alodined aluminium Epoxy glass

PRODUCT OVERVIEW:

SPRL-A0005 is a high power conical spiral, left-hand circularly polarised antenna designed for operation in the 400 – 450 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:

- LHCP antenna
- High power
- Low VSWR

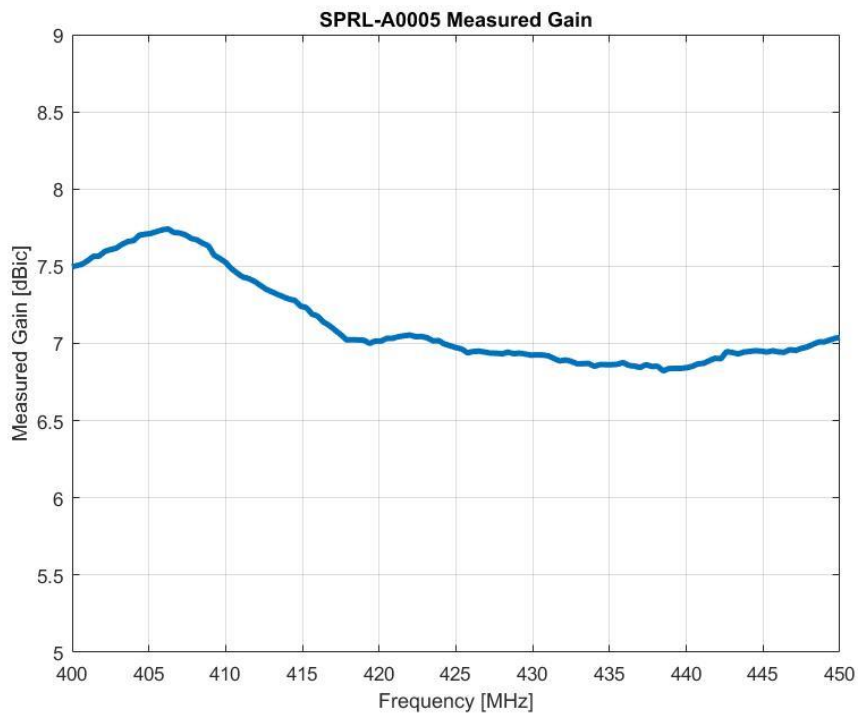
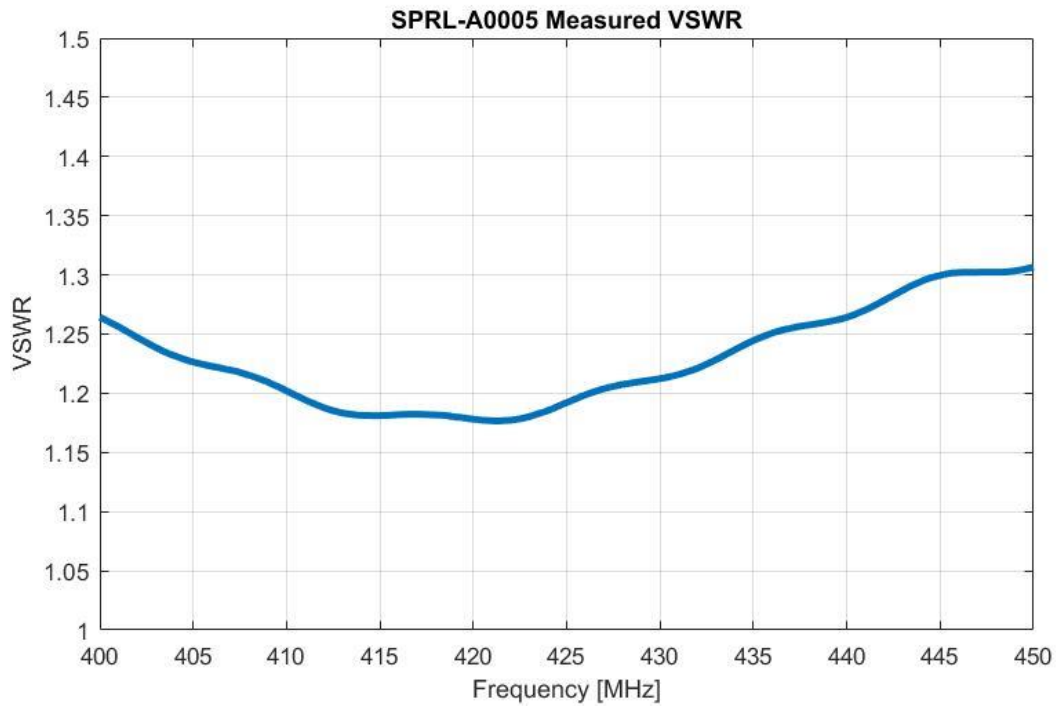
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ELECTRICAL PERFORMANCE PLOTS:



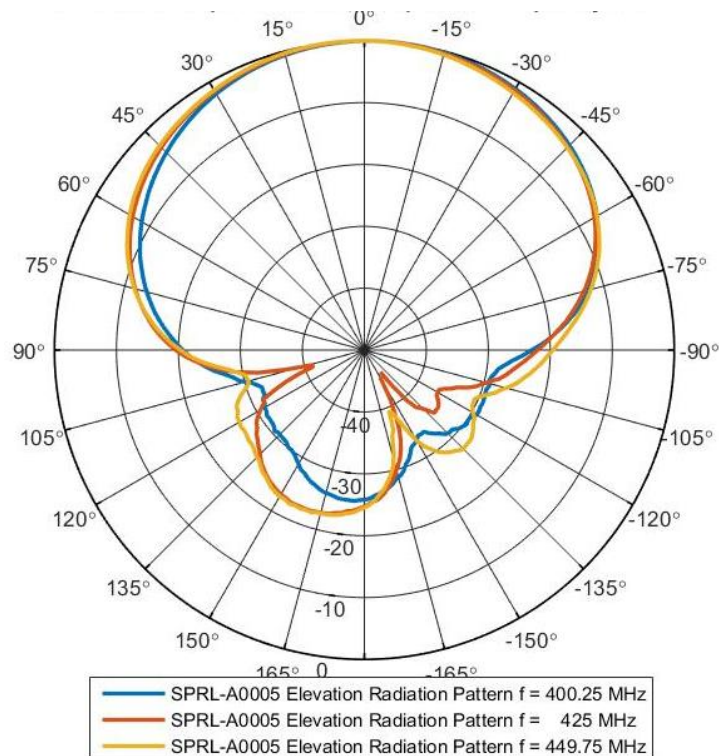
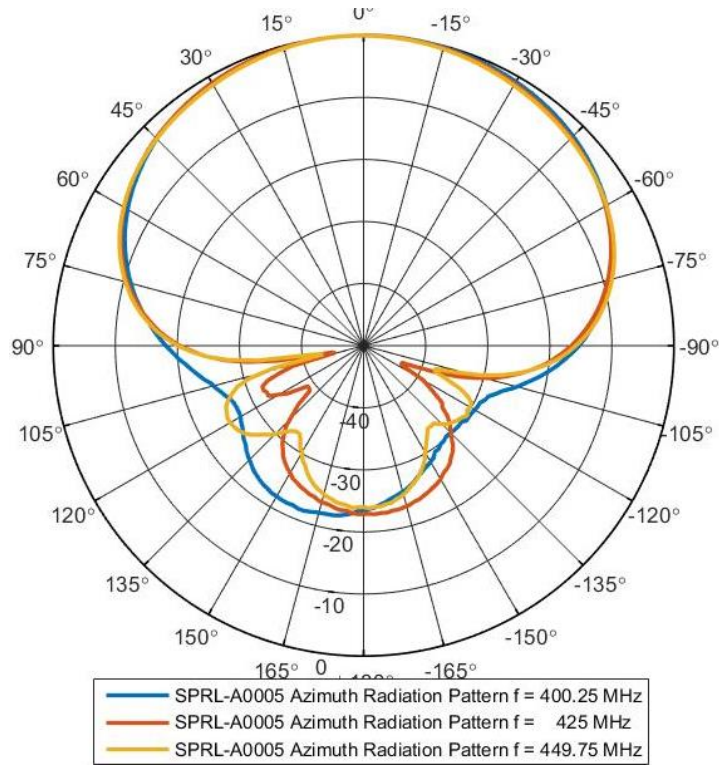
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MEASURED RADIATION PATTERNS



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