

Dual port Helical Antenna

430 – 450 MHz and 900 - 930 MHz
Product Code: HELI-A0106

VERSION: 1.2

SPECIFICATIONS:



Electrical:	
Frequency range:	
Band A	430 – 450 MHz
Band B	900 – 930 MHz
Gain:	> 8 dBi (typical)
Beamwidth:	
Band A	60° (typical)
Band B	55° (typical)
Polarisation:	
Band A	RHCP
Band B	RHCP
Nominal impedance:	50 Ω
VSWR:	< 2.0:1
Power handling:	
Band A	150 W CW
Band B	150 W CW
Connector:	2 x N-type female
Mechanical:	
Overall length:	650 mm
Diameter:	230 mm (Radome) 470 mm (Mounting flange)
Weight:	< 10 kg including bracket
Material:	Aluminium, Stainless steel, Acetal, Fibreglass
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

PRODUCT FEATURES:

- Medium gain
- High power
- Low VSWR

PRODUCT OVERVIEW:

HELI-A0106 is a dual port helical spiral, right-hand circularly polarised antenna designed operating in the 430 - 450 MHz and 900 - 930 MHz bands. The antenna provides broad beam coverage without nulls or reduction in performance.

The antenna features a low VSWR and high gain over both operating bands with a light weight, yet robust radome to protect the radiator.

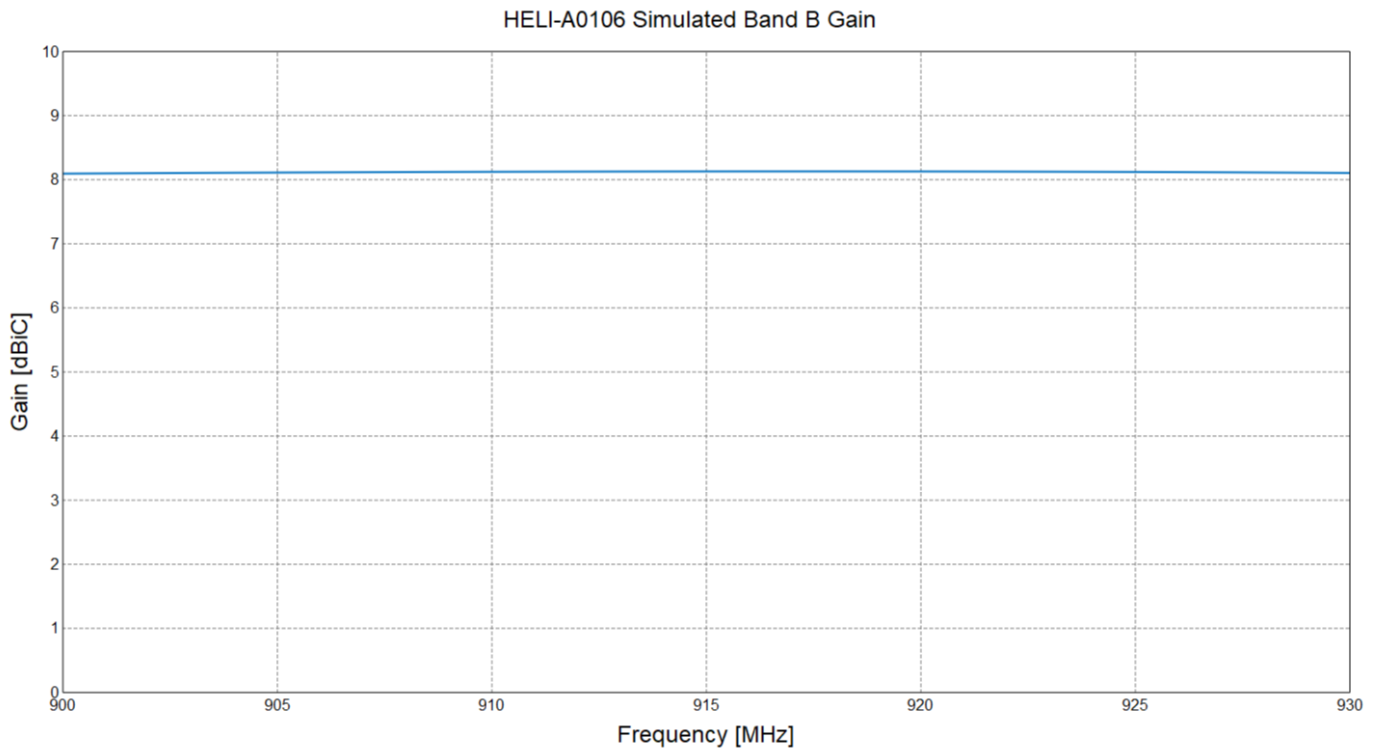
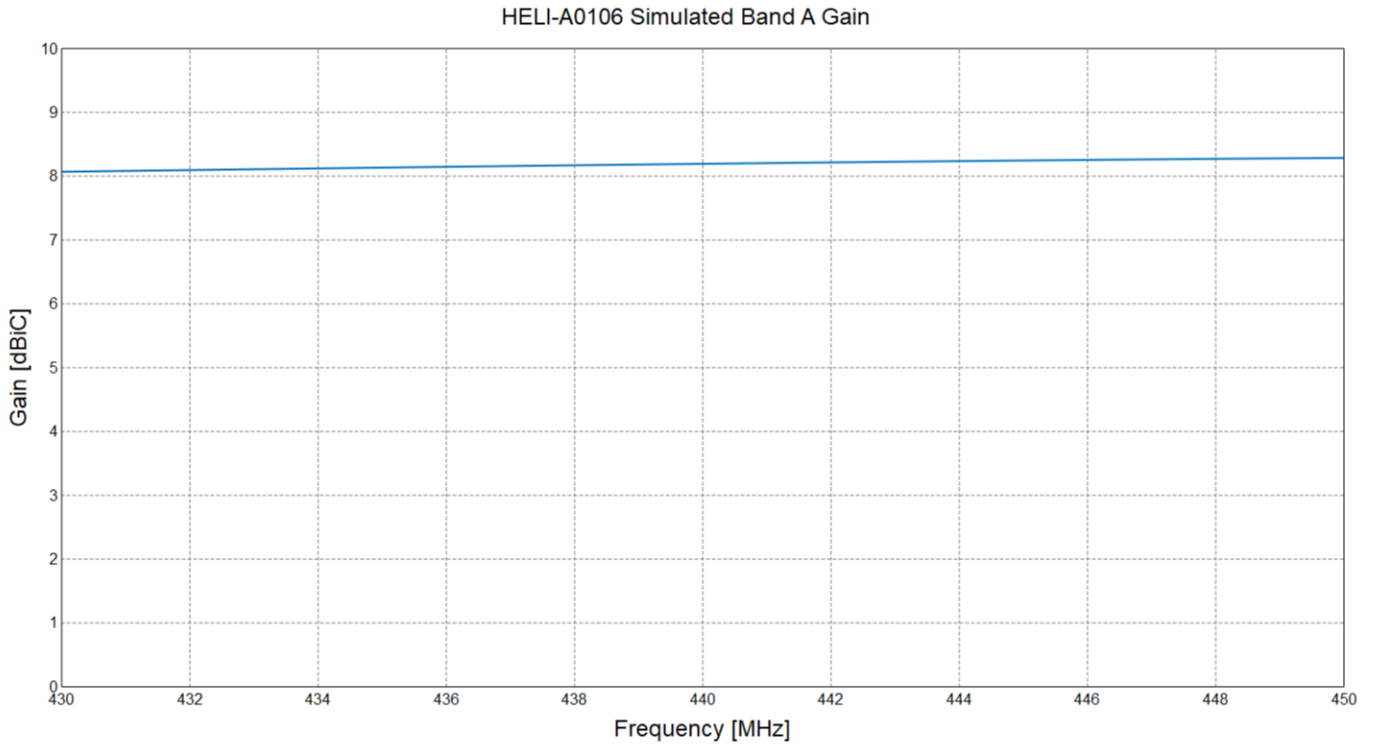
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GAIN:



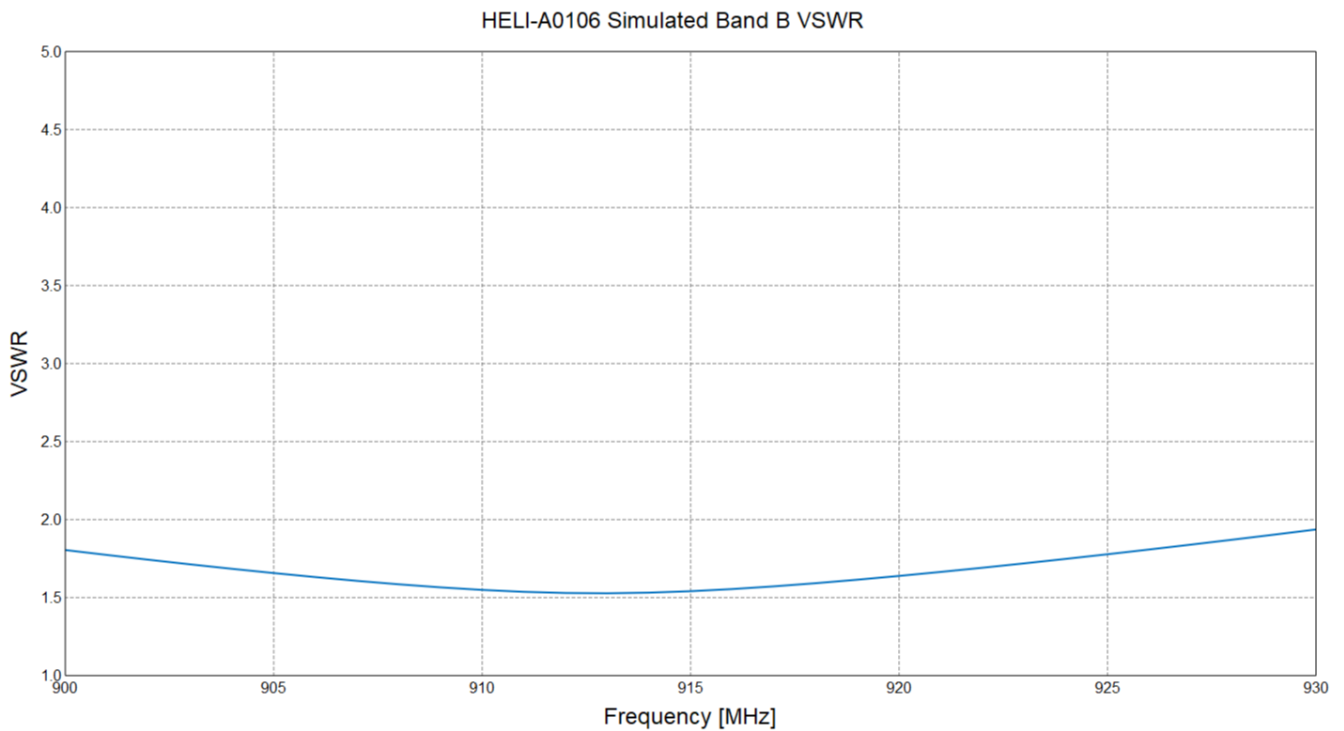
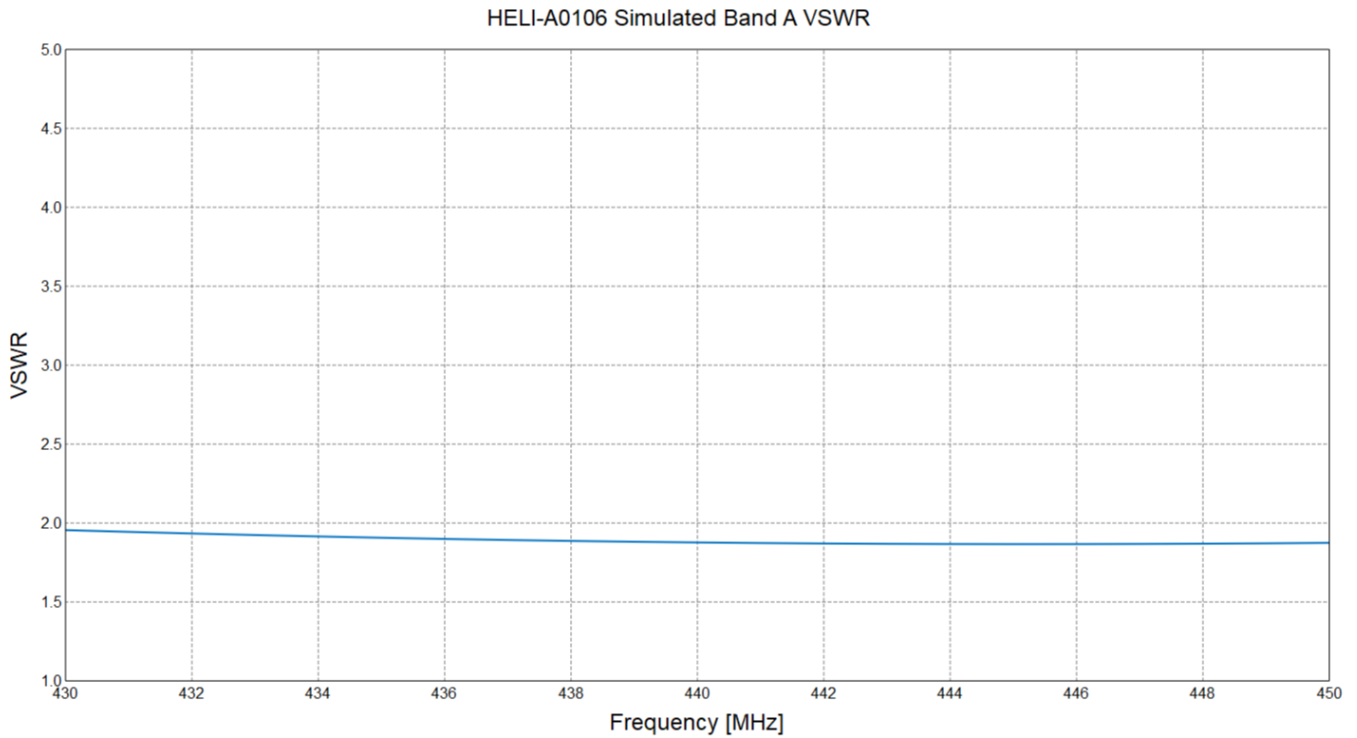
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VSWR:



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RADIATION PATTERNS:

HELI-A0106 Simulated typical radiation patterns

