

Dual port Helical Antenna

1160 - 1260 MHz and 1559 - 1610 MHz

Product Code: HELI-A0104

VERSION: 1.1

SPECIFICATIONS:

| Electrical: | |
|---|--|
| Frequency range: | |
| Band A | 1160 - 1260 MHz |
| Band B | 1559 - 1610 MHz |
| Gain: | > 12 dBi (typical) |
| Beamwidth: | |
| Band A | 29° (typical) |
| Band B | 36° (typical) |
| Polarisation: | |
| Band A | RHCP |
| Band B | RHCP |
| Nominal impedance: | 50 Ω |
| VSWR: | < 2.0:1 |
| Power handling: | |
| Band A | 100 W CW |
| Band B | 100 W CW |
| Connector: | 2 x N-type female |
| Mechanical: | |
| Overall length: | 608 mm |
| Diameter: | 98 mm (Radome A) 64 mm (Radome B) 248 x 432 mm (Mounting flange) |
| Weight: | < 3 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:

- High gain
- High power
- Low VSWR

PRODUCT OVERVIEW:

HELI-A0104 is a dual port helical spiral, right-hand circularly polarised antenna designed operating in the 1160 - 1260 MHz and 1559 - 1610 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.

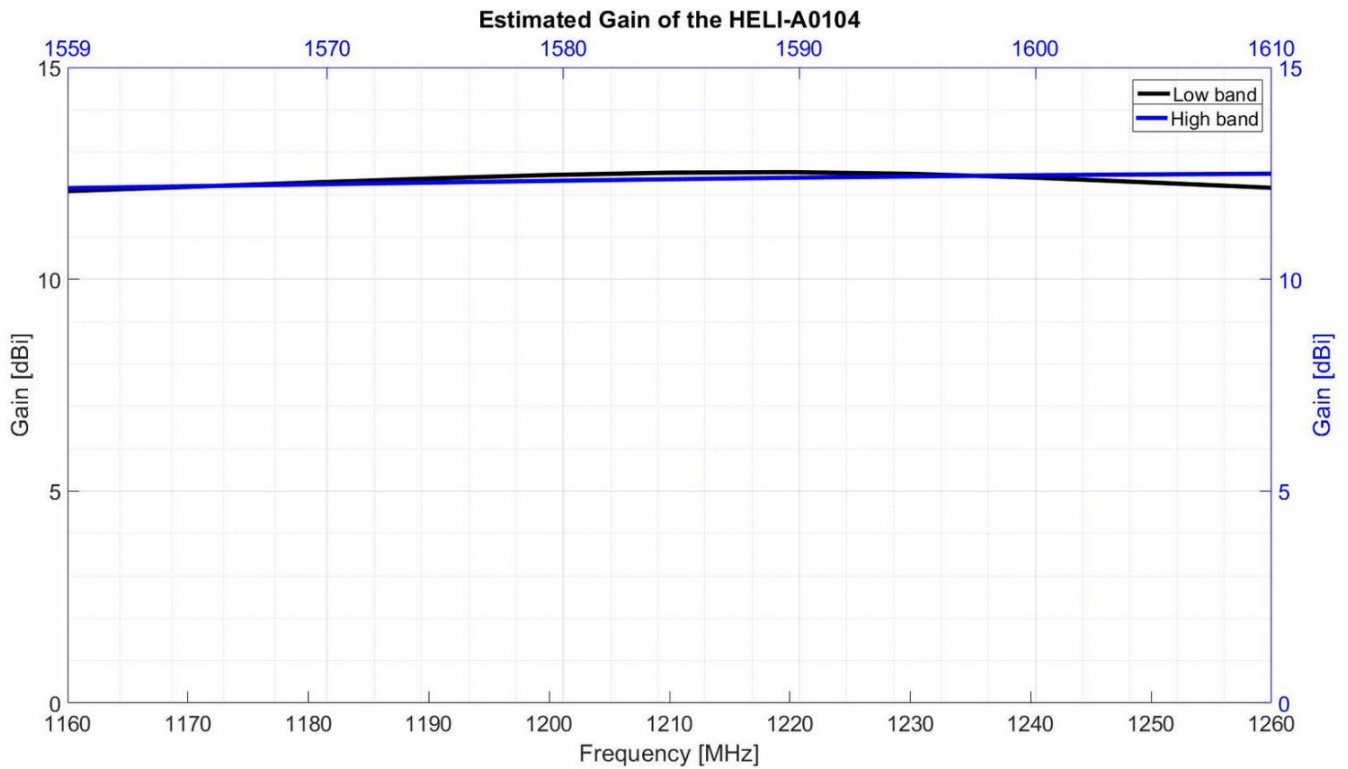
Dual port Helical Antenna

1160 - 1260 MHz and 1559 - 1610 MHz

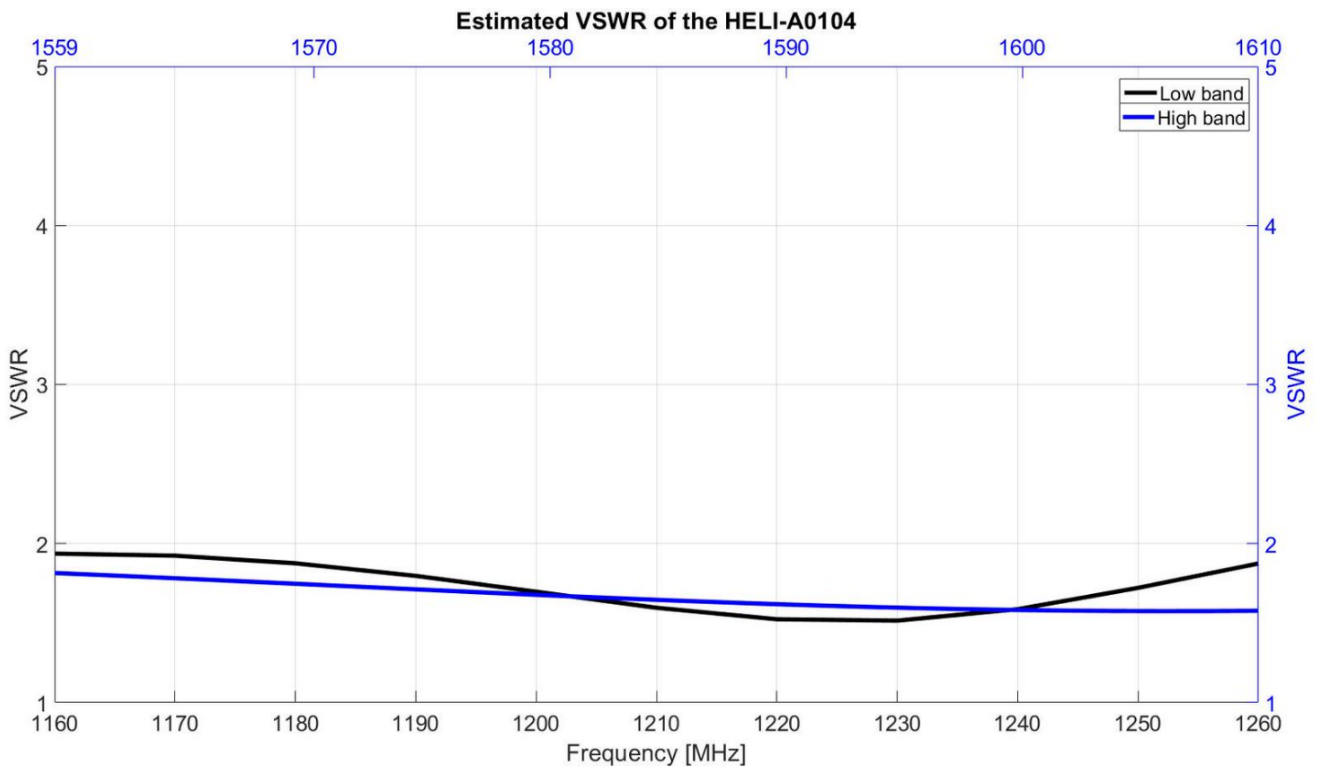
Product Code: HELI-A0104

VERSION: 1.1

Gain:



VSWR:



Dual port Helical Antenna

1160 - 1260 MHz and 1559 - 1610 MHz

Product Code: HELI-A0104

VERSION: 1.1

Radiation Patterns:

Estimated Radiation Patterns for the HELI-A0104

