

High-Power Omni-Directional Antenna

2 – 6 GHz

Product Code: OMNI-A0116

VERSION: 1.6



SPECIFICATIONS:

Electrical:	
Frequency range	2 – 6 GHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Feed power handling	50 W
Gain (free space)	1 dBi
Polarisation	Vertical
Connector	N-type female
Mechanical:	
Dimensions (length x antenna diameter)	455 mm x 35 mm
Base diameter	135 mm
Material	Aluminium, stainless steel, Fibreglass
Total mass	700 g
Mounting	4-hole and 6-hole NATO
Environmental: designed to meet the following specifications	
Wind survival	160 km/h
Temperature range	- 30 °C to + 65 °C (no icing)
Water and dust resistance	MIL-STD-810F (506.4)
Corrosion	Appropriate anti-corrosion measures are taken in the design of antenna for harsh environmental conditions

PRODUCT DESCRIPTION:

This omni-directional dipole antenna is primarily designed for high-power applications. It covers a frequency band of 2 to 6 GHz with an average gain of 1 dBi.

RELATED PRODUCTS:

Alaris also manufactures a manpack version of this antenna, the DIPL-A0059, for mounting directly on an N-type connector.

PRODUCT FEATURES:

- Wideband frequency 2 to 6 GHz
- VSWR < 2.5:1
- Omni-directional
- 50 W power handling
- Rugged construction

PRODUCT APPLICATIONS:

- Wideband interception
- Covers the 3.5 and 5.8 GHz Wi-Fi frequency bands

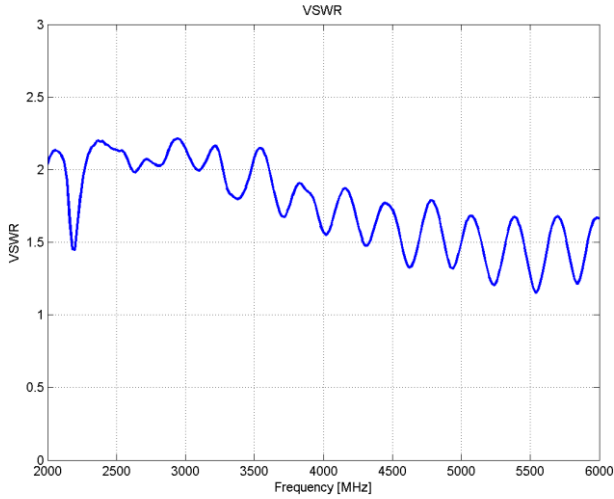
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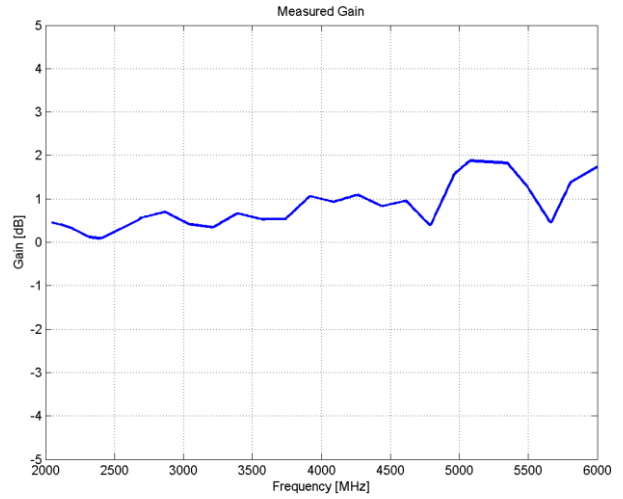
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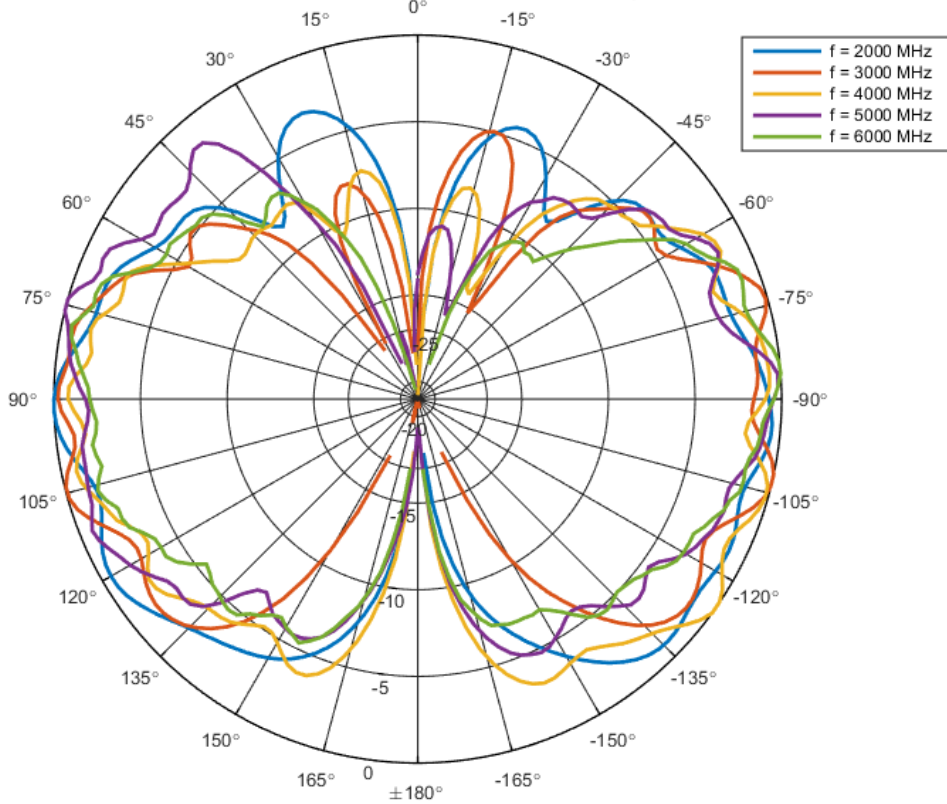
VSWR:



Gain:



Normalised amplitude over ϕ at specified frequency values



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GAIN THE ADVANTAGE