

High-Power Omni-Directional Antenna

2 – 6 GHz

Product Code: DIPL-A0059

VERSION: 2.10

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
Connectors	N-type male
Mechanical:	
Dimensions (l x d)	400 mm x 40 mm
Material	Aluminium, stainless steel, fibreglass
Total mass	400 g
Environmental: designed to meet the following specifications	
Wind survival	160 km/h
Temperature range	
Operational	-30 °C to +65 °C
Storage	-40 °C to +85 °C
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:

The DIPL-A0059 omni-directional dipole antenna is primarily designed for high-power transmitting applications. It covers a frequency band of 2 to 6 GHz with an average gain of 1 dBi.

PRODUCT FEATURES:

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

PRODUCT APPLICATIONS:

- Wideband signal suppression
- Covers the 3.5 and 5.8 GHz wi-fi frequency bands

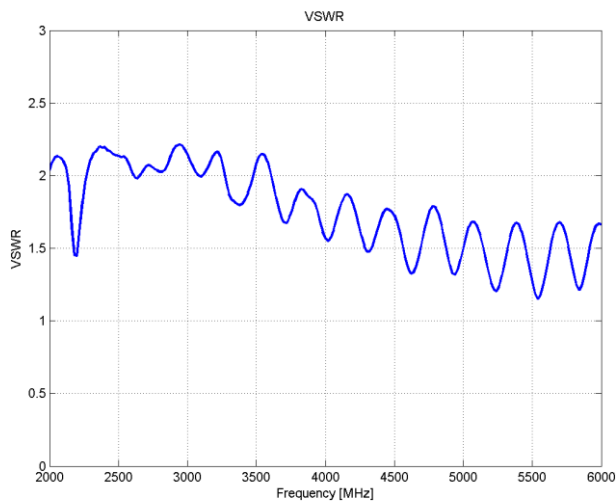
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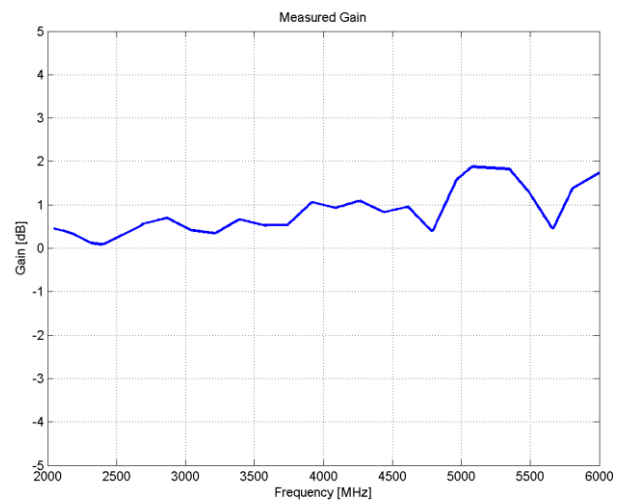
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VSWR:



Gain:



Normalised amplitude over ϕ at specified frequency values

