

5 GHz Manpack Communications Antenna

5200 – 5900 MHz

Product Code: OMNI-A0153

VERSION: 3.2



SPECIFICATIONS:

Electrical:	
Frequency range	5200 – 5900 MHz
VSWR	< 2:1
Nominal input impedance	50 Ω
Connector	N-type male
Feed power handling	10 W
Gain	See graph
Polarisation	Linear, vertical
Groundplane requirements	Groundplane independent
Mechanical:	
Dimensions (l x w)	460 mm x Ø22 mm
Weight	< 250 g
Environmental: designed to meet the following specifications	
Wind survival	160 km/h
Temperature range	-40 °C to +85 °C
Water ingress rating	IP66 (when mounted on connector)
Shock and vibration	MIL-STD-810 E 516.4: Vibration category 8, shock 40 g

PRODUCT FEATURES:

- Wideband
- Omni-directional azimuth pattern
- High-power handling
- Spring-mounted element
- Weatherproof

PRODUCT DESCRIPTION:

This is a wideband, high-gain, compact communications antenna for use in the 5 to 6 GHz band.

The mechanical design features a sprung connectorized mounting system that protects the antenna against impacts typically endured during rough field use.

The antenna is designed for outdoor use on a manpack or other mobile platform.

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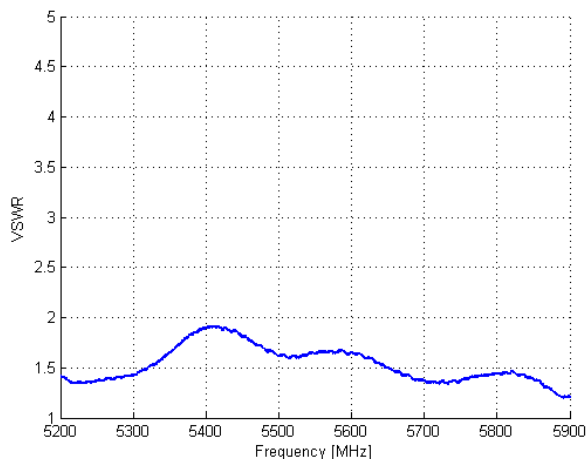
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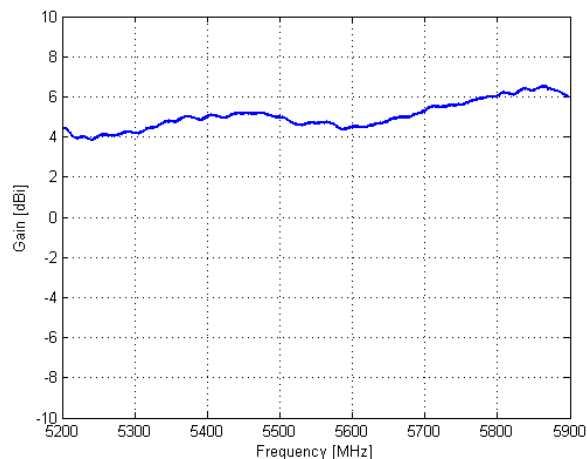
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VSWR AND GAIN GRAPHS:

VSWR:

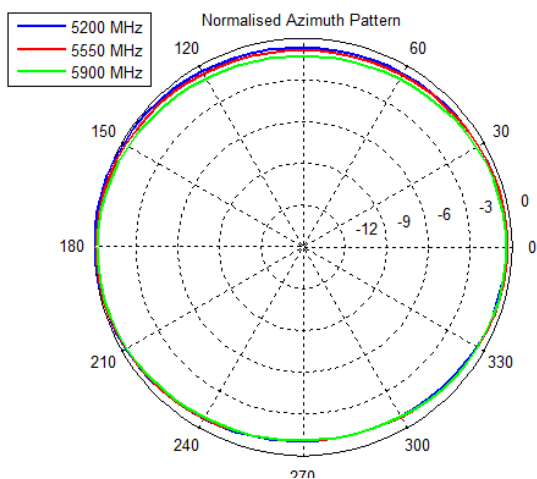


Gain:

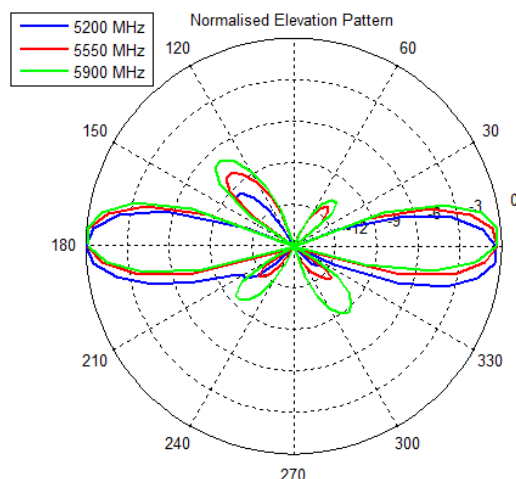


ANTENNA PATTERNS:

Azimuth (H-plane):



Elevation (E-plane):



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GAIN THE ADVANTAGE