

2.4 GHz Manpack Communications Antenna

2400 – 2500 MHz

Product Code: OMNI-A0154

VERSION: 2.4



SPECIFICATIONS:

Electrical:	
Frequency range	2400 – 2500 MHz
VSWR	< 1.5:1
Nominal input impedance	50 Ω
Connector	N-type male
Feed power handling	10 W
Gain	6 dBi ± 1 dB
Polarisation	Linear, vertical
Groundplane	Not required
Mechanical:	
Dimensions (l x w)	460 mm x Ø22 mm
Weight	< 200 g
Environmental: designed to meet the following specifications	
Wind survival	160 km/h
Temperature range	-31 °C to +71 °C
Water ingress rating	IP 66 (when mounted on connector)
Shock and vibration	MIL-STD 810E 516.4: Vibration category 8, shock 40g

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 2.4 GHz band. The antenna is equipped with a DC short for static and surge protection.

The mechanical design features a sprung connector 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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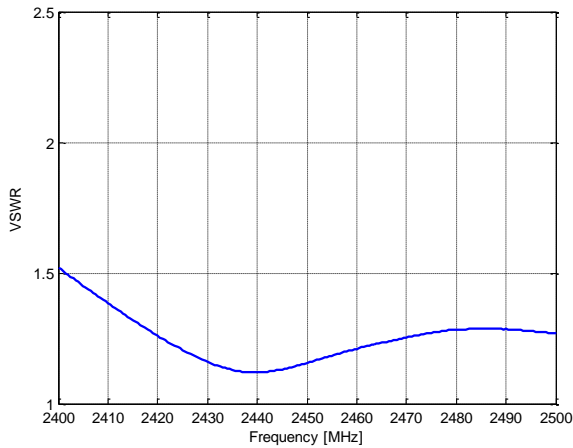
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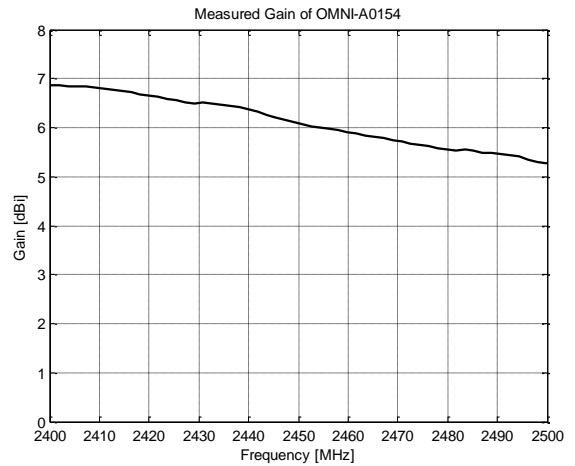
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VSWR AND GAIN GRAPHS:

VSWR:

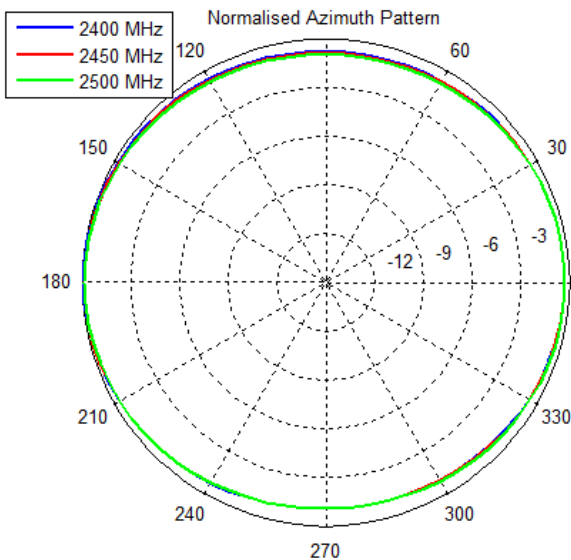


GAIN:

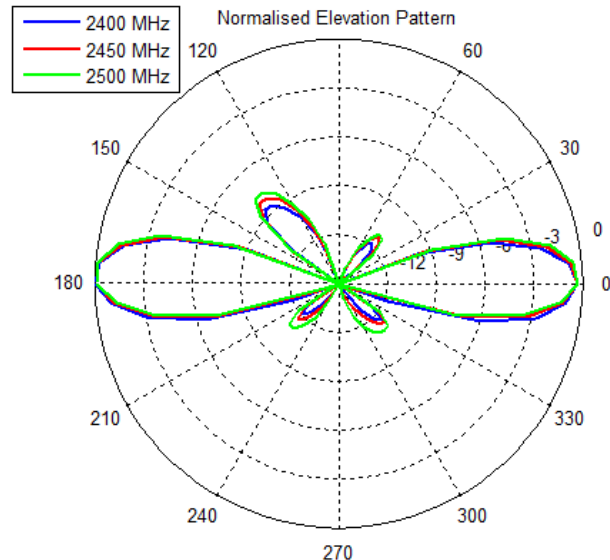


ANTENNA PATTERNS:

Azimuth (H-plane):



Elevation (E-plane):



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GAIN THE ADVANTAGE