



SPECIFICATIONS:

Electrical:	
Frequency range	420 – 810 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	N-type female
Feed power handling	50 W
Gain	2 dBi ± 0.5 dB
H-plane 3 dB beamwidth	360°
Polarisation	Vertical
Mechanical:	
Dimensions (l x d)	600 mm x 50 mm
Weight	500 g
Environmental:	
Wind survival	160 km/h
Temperature (operational)	- 30 °C to +70 °C
Water ingress rating	IP 65 (NEMA 4X)
RoHS	Compliant

PRODUCT DESCRIPTION:

The OMNI-A0163 is a wideband omni-directional antenna that has been designed to be used in high-powered transmit applications to suppress signals in applications like convoy protection and for RCIED. The design of this antenna allows it to bend up to 70°.

The OMNI-A0163 has an omni-directional azimuth pattern with a low level of ripple to ensure all-round protection and an elevation pattern that shows no pattern break-up. This antenna is rated for 50 W indefinite continuous duty power handling.

The radiator is mounted in the top-most part of the antenna, allowing the signal to be radiated over the user's head. This reduces absorbed power and increases field strength at the target.

PRODUCT FEATURES:

- 50 W continuous power handling
- Gain of 2 dBi (typical)
- Self-contained balanced antenna, no ground-plane required
- Lightweight
- Spring-mounted whip
- Omni-directional H-plane (azimuth) pattern
- RoHS compliant

APPLICATIONS:

- RCIED signal suppression
- VIP protection
- Convoy protection



Wideband Omni-Directional Manpack Antenna

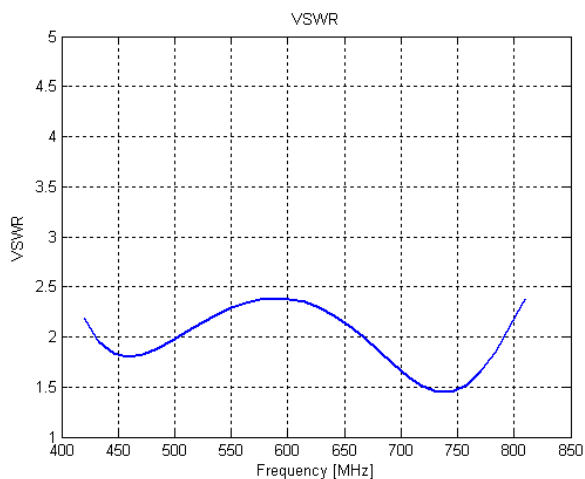
420 – 810 MHz

Product Code: OMNI-A0163

VERSION: 1.1

VSWR and gain graphs:

Typical VSWR



GAIN

