

Wideband Manpack Antenna

400 – 4000 MHz

Product Code: OMNI-A0083

SPECIFICATIONS:



Electrical:	
Frequency range	400 – 4000 MHz
VSWR	< 3:1 (400 – 800 MHz) typically < 2.5 : 1 (800 – 4000 MHz)
Nominal input impedance	50 Ω
Connector	N-type male
Feed power handling	50 W
Gain (at the horizon)	2 dBi (maximum) -6 dBi (minimum)
Polarisation	Linear
Mechanical:	
Dimensions (l x d)	275 mm x 55 mm
Weight	< 380 g
Environmental: designed to meet the following specifications	
Wind survival	160 km/h
Temperature (operational)	- 30 °C to + 65 °C (no icing)
Shock	40 G for 10 ms
Thermal shock	- 20 °C to + 70 °C: 10 cycles

PRODUCT FEATURES:

- Wide frequency coverage (400 to 4000 MHz)
- High-power, 50 W at 100% duty cycle
- Good VSWR (less than 2.5:1 over 90% of the band)
- Omni-directional azimuth pattern
- Rugged and waterproof

PRODUCT DESCRIPTION:

The OMNI-A0083 is a high-power, omni-directional, wideband, manpack antenna designed for high-power applications from 400 to 4000 MHz.

APPLICATIONS:

- Improved explosive device (IED) Suppression
- Communications interception

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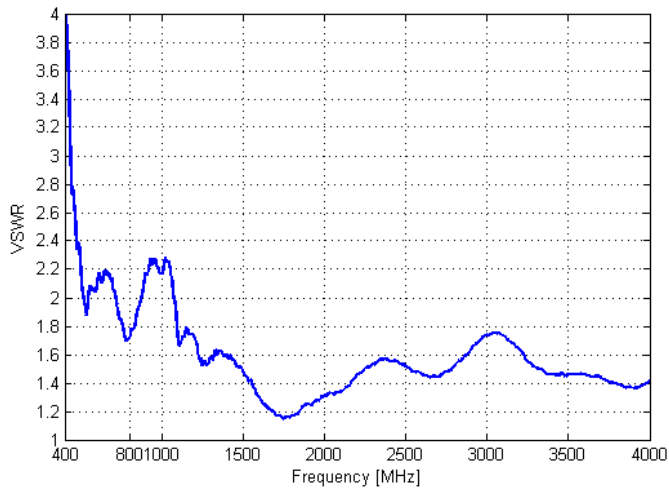
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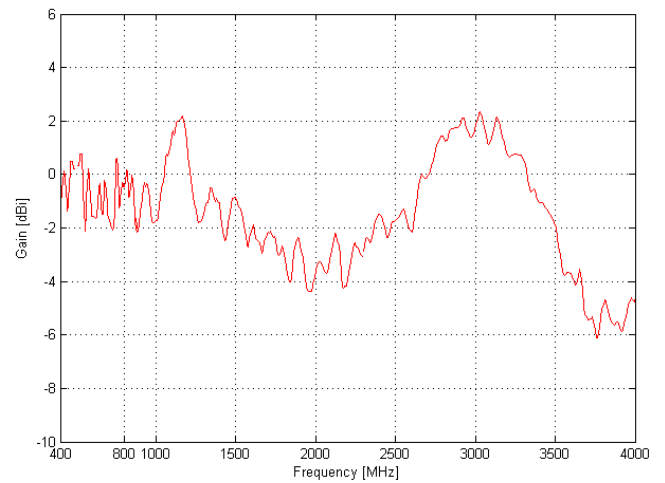
VERSION: 4.5

VSWR AND GAIN GRAPHS:

VSWR:



GAIN:



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DISTRIBUTION BY:**

Cyntony Corporation
195 Follen Road
Lexington, Massachusetts
sales@cyntony.com
781-430-0675



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