

# Mast Mount Wideband High-Power Antenna

500 – 6000 MHz

Product Code: OMNI-A0265-02

VERSION: 1.2



## SPECIFICATIONS:

<b>Electrical:</b>	
Frequency range	500 – 6000 MHz
Gain	0 dBi typical (in band)
Azimuth pattern	Omni, 3 dB ripple
Elevation pattern	Narrow beam
Polarisation	Vertical
Nominal impedance	50 $\Omega$
VSWR	< 2:1 or better
Power handling:	See graph below
Connector	N-Type male at base
Groundplane requirements	Groundplane independent
<b>Mechanical:</b>	
Dimensions (l x d)	527 mm x 83 mm
Total mass	< 1kg
Mounting	Mast mount with stand-off clamp, not supplied
Colour	Black, others on request
<b>Environmental: designed to meet the following specifications</b>	
Temperature range	Storage: -41 °C to +71 °C. Operation -31 °C to +55 °C
Weatherproofing	IP65 water resistant (when connector is properly fastened)
Exposed materials	Painted e-glass Anodized aluminium E-coated steel

## PRODUCT OVERVIEW:

This wideband antenna can be used for interception of wireless communications. It is mounted by clamping the antenna to a mast or other fixed structure with use of a stand-off clamp. The fibreglass tube contains the groundplane independent radiator

The array covers the GSM 900, PCS, UMTS/3G/LTE and Wi-Fi (both bands).

## RELATED PRODUCTS:

- **OMNI-A0265-01** – Manpack Wideband High-Power Antenna
- **OMNI-A0266** – Vehicle Mount Wideband High-Power Antenna

## PRODUCT FEATURES:

- Omni-directional wideband antenna
- Communications or signal interception
- Covers all handheld wireless bands

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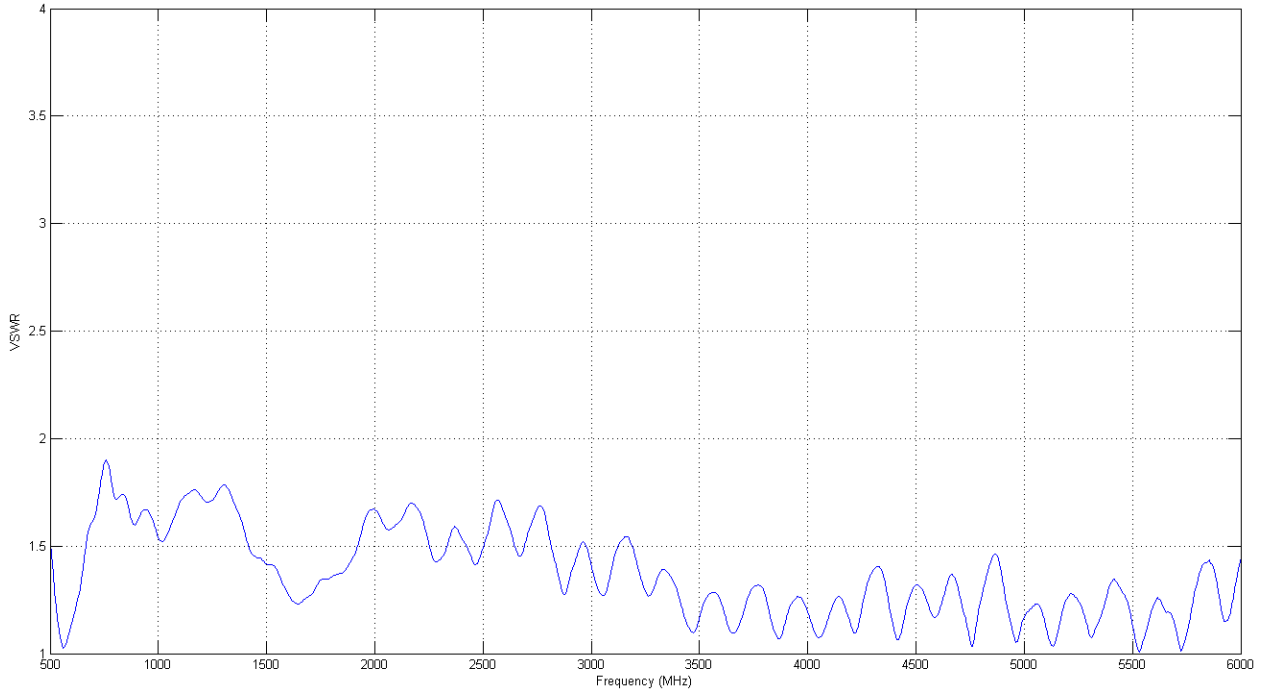
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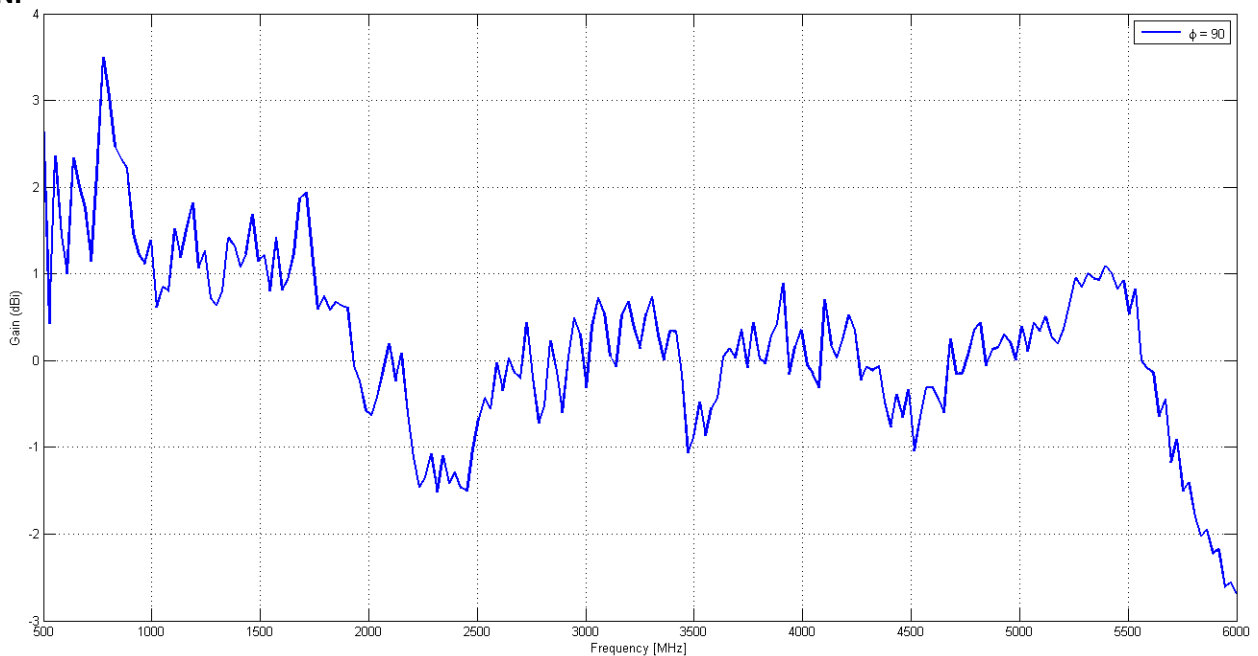
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Simulated VSWR and gain graphs:

Typical VSWR:



GAIN:



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195 Follen Road  
Lexington, Massachusetts  
sales@cyntony.com  
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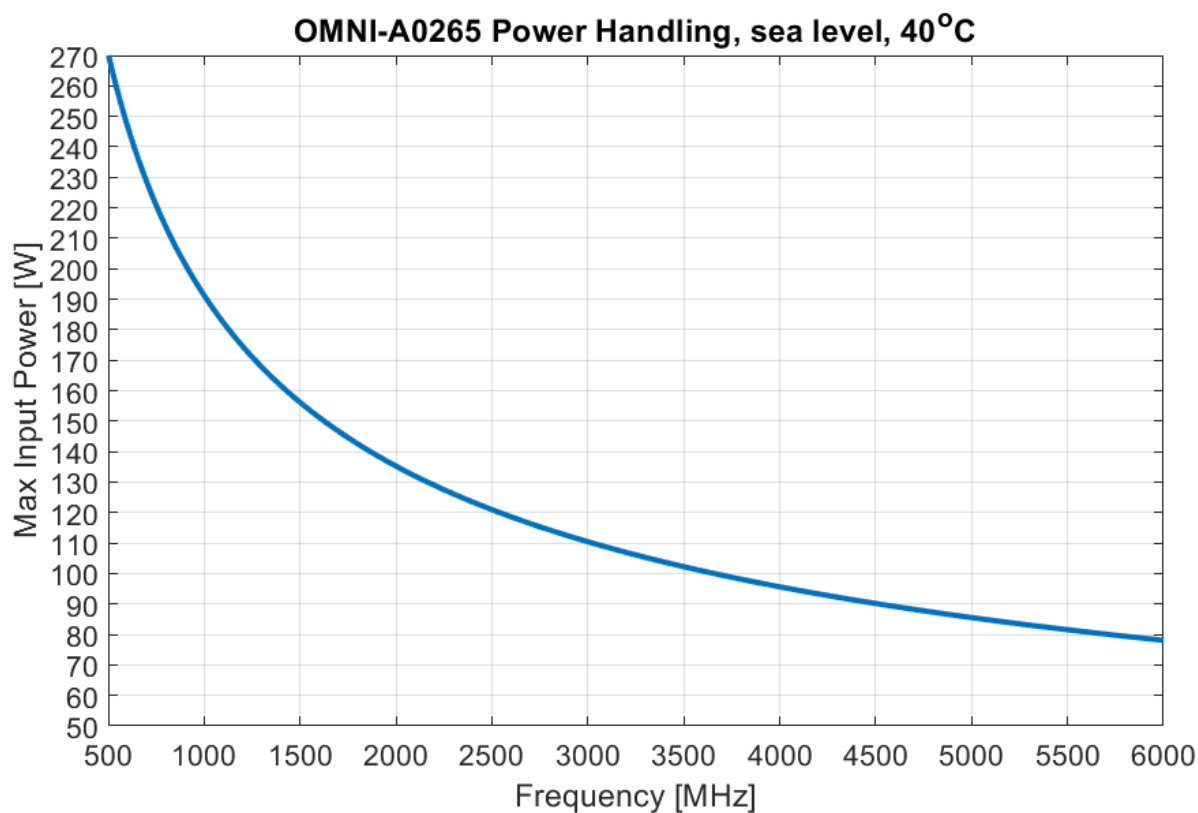
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## Power Handling:



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