



GAIN THE ADVANTAGE

VERSION: 3.6

# Active Monitoring Antenna

9 kHz – 300 MHz

Product Code: OMNI-A0112

## SPECIFICATIONS:



<b>Electrical:</b>	
Frequency range	9 kHz – 300 MHz
VSWR	< 2.5:1
Feed power handling	Receive only
Nominal input impedance	50 Ω
Connector	N-type female
Polarisation	Vertical
Pattern	Omni-directional
Power supply	Via RF cable 12 – 24 V DC
Amplifier gain	22 dB at 300 MHz
Amplifier IP3	> 37 dBm typ.
<b>Mechanical:</b>	
Base (d x h)	140 mm x 600 mm
Weight	< 2 kg
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	160 km/h
Temperature range	Storage: -30°C to +70°C Operation -30°C to +55°C
Humidity	MIL-STD-801F Test 507.4 Storage: 0% to 95% RH Operation: 0% to 95% RH
Water ingress rating	IP65

## PRODUCT DESCRIPTION:

The OMNI-A0112 is an active monopole whip antenna designed for easy mounting on vehicles and structures with a groundplane. Power for the active components is supplied via the RF cable.

## PRODUCT FEATURES:

- 9 kHz to 300 MHz frequency range
- Good IP3
- Suited for vehicle-mount applications

## APPLICATION:

- HF/VHF monitoring



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



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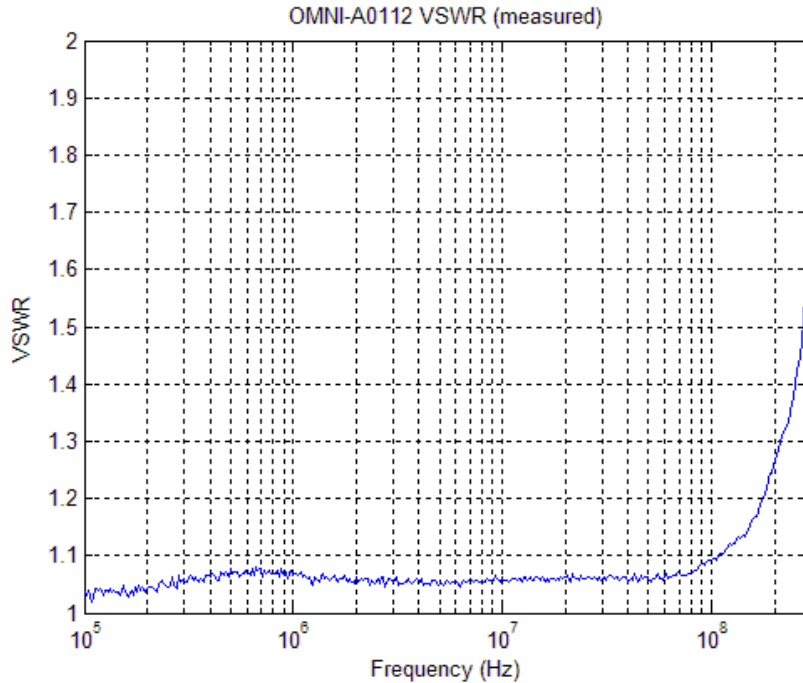
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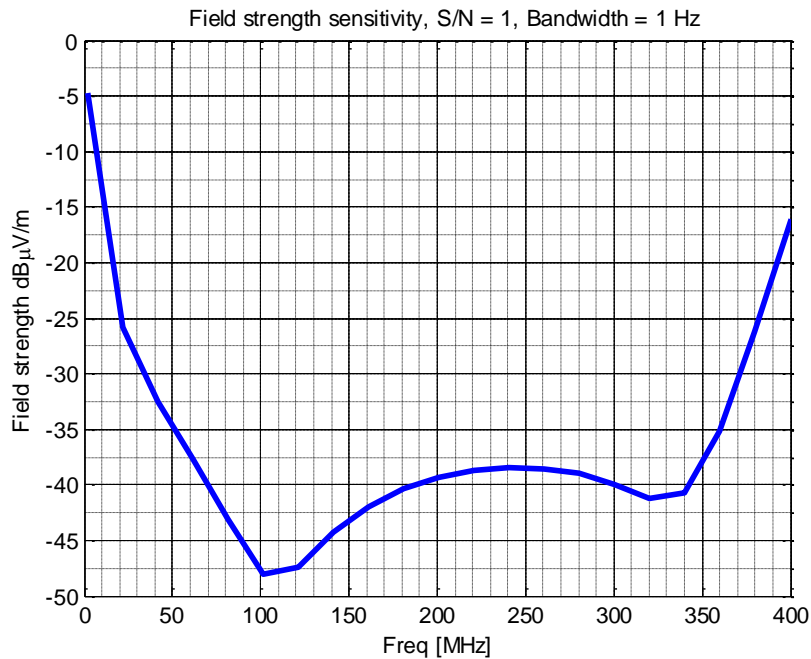
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Typical VSWR GRAPH:



Field strength sensitivity:



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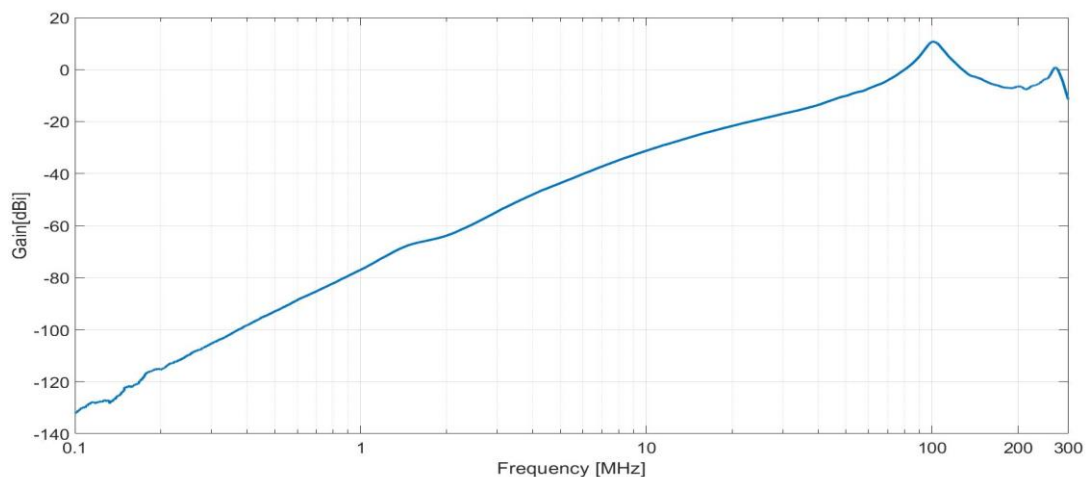
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## Measured Gain:



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