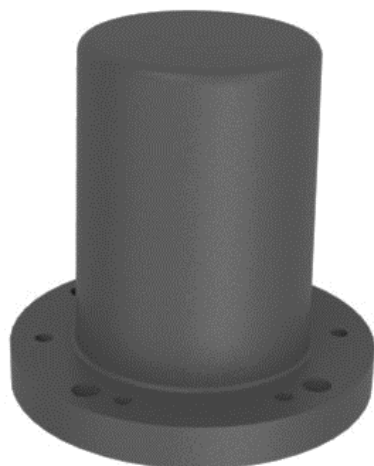


High-Power Wideband Marine Monocone

500 – 6000 MHz

Product Code: MONO-A0094

VERSION: 1.2



SPECIFICATIONS:

Product codes:	
MONO-A0094	500 – 6000 MHz N(f) connector
Electrical:	
Frequency range	500 – 6000 MHz
VSWR	< 2.5:1 (see graph)
Power handling	
500 – 1000 MHz	450 W
1000 – 3000 MHz	250 W
3000 – 6000 MHz	200 W
Gain	See graph
Elevation 3 dB beamwidth	> 30°
Azimuth ripple	< 1 dB
Nominal input impedance	50 Ω
Polarisation	Vertical
Connector	N-type female
Groundplane requirements	Groundplane dependent, minimum Ø300 mm recommended
Mechanical:	
Height	< 150 mm
Base diameter	> 140 mm
Weight	< 2 kg
Mounting base	NATO flange 4 and 6 holes
Environmental: designed to meet the following specifications	
Wind loading	300 km/h
Temperature (operational)	- 40 °C to + 55 °C (no icing)
Shock	20 G at 10 msec
Thermal shock	- 20 °C to +70 °C: 10 cycles
Water ingress rating	IP 65 (NEMA 4X)

PRODUCT FEATURES:

- Wide frequency coverage (500 to 6000 MHz)
- High-power
- Omni-directional azimuth pattern
- Rugged and hard-wearing
- Suited to maritime applications

APPLICATIONS:

- Improvised explosive device (IED) suppression
- Communications interception

PRODUCT DESCRIPTION:

The MONO-A0094 is a high-power wideband monocone antenna designed for high-power applications in the 500 to 6000 MHz frequency band.

The antenna has a consistently low VSWR across the entire frequency band. It can handle full rated power continuously at all frequencies, making it ideal for all 100% duty-cycle applications.

The antenna is designed for use on a maritime platform and its high strength housing is impervious to shocks, vibration and solvents.

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

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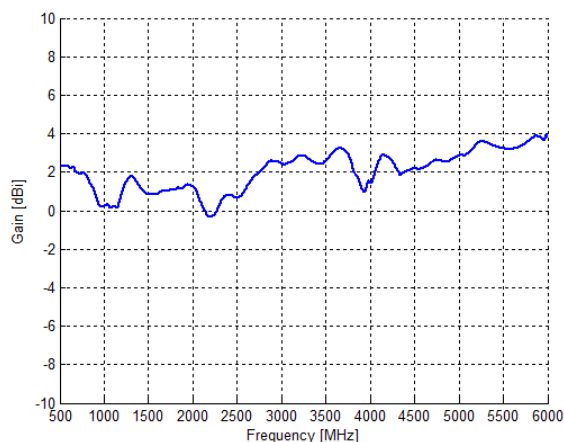
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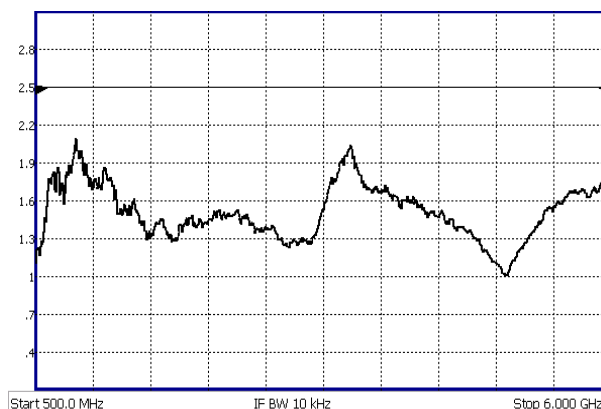
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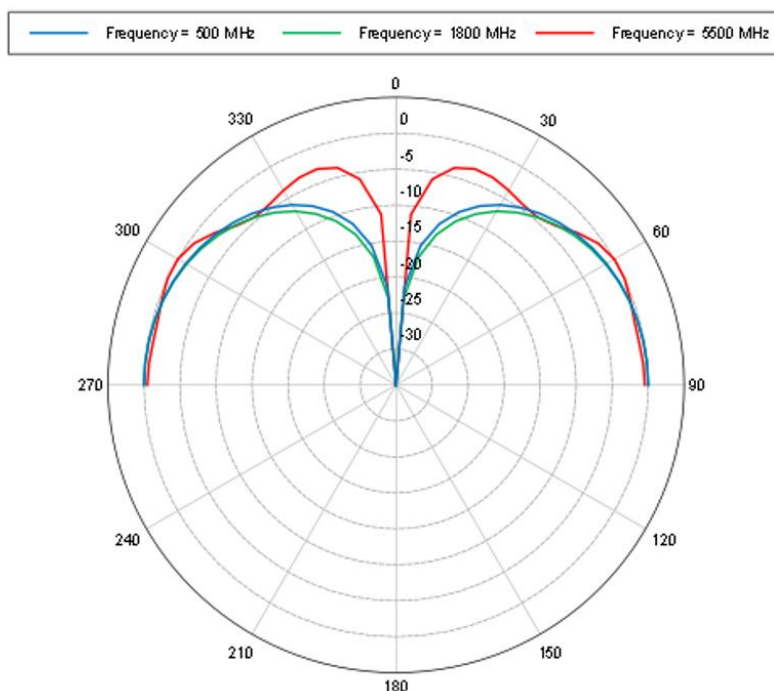
GAIN:



VSWR:



SIMULATED NORMALISED ELEVATION PATTERN:



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