

8-Element Direction Finding Antenna

20 – 500 MHz

Product Code: DF-A0309

VERSION: 1.1

SPECIFICATIONS:

Electrical:

Frequency range	20 – 500 MHz
Nominal input impedance	50 Ω
Antenna type	8-element CDF
Polarisation	Vertical
Output cables	RG 400 cables (qty 8)
Connectors	TNC male

Mechanical:

Antenna weight	< 30 kg
Assembled height	1260 mm
Assembled diameter	2000 mm

Environmental: designed to meet the following specifications

Temperature range	-30 °C to + 70 °C
Maximum wind speed	150 km/h (without ice)
Weatherproofing	IP65

PRODUCT DESCRIPTION:

This direction-finding antenna covers a frequency range of 20 MHz to 500 MHz. Shipped in a compact storage and transport box, the antenna can be assembled by one person in 30 minutes, without special tools.

This DF antenna is designed to be used with an 8-channel phase-sensitive receiver, and correlative algorithm. Calibration of the antenna can be performed on request.

ELECTRICAL FEATURES:

- Full-size DF
- Wideband DF
- 8-element interferometer

MECHANICAL FEATURES:

- Robust construction
- Quick assembly

AUTHORIZED USA DISTRIBUTION BY:

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



8-Element Direction Finding Antenna

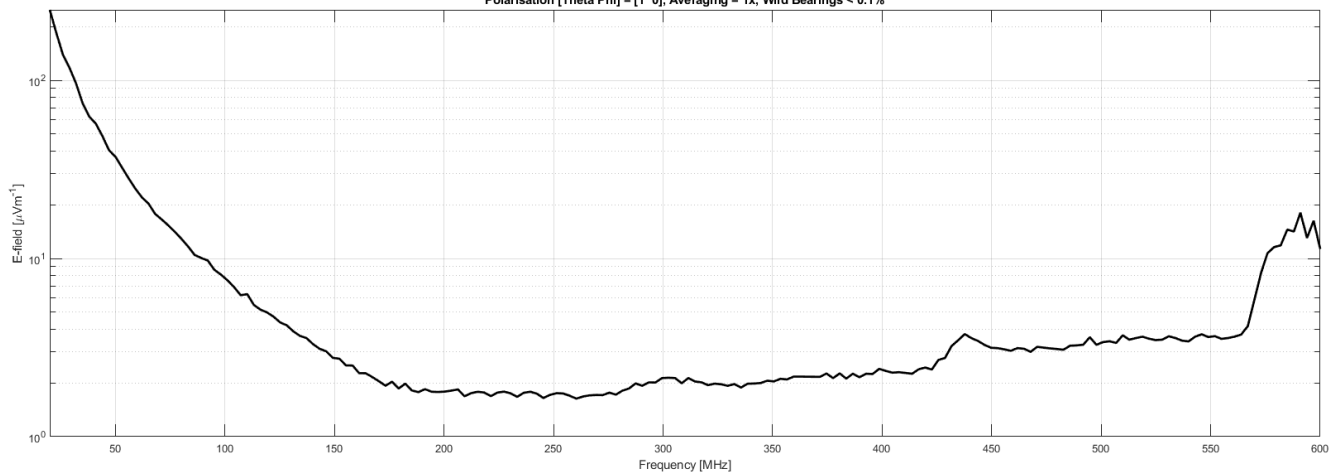
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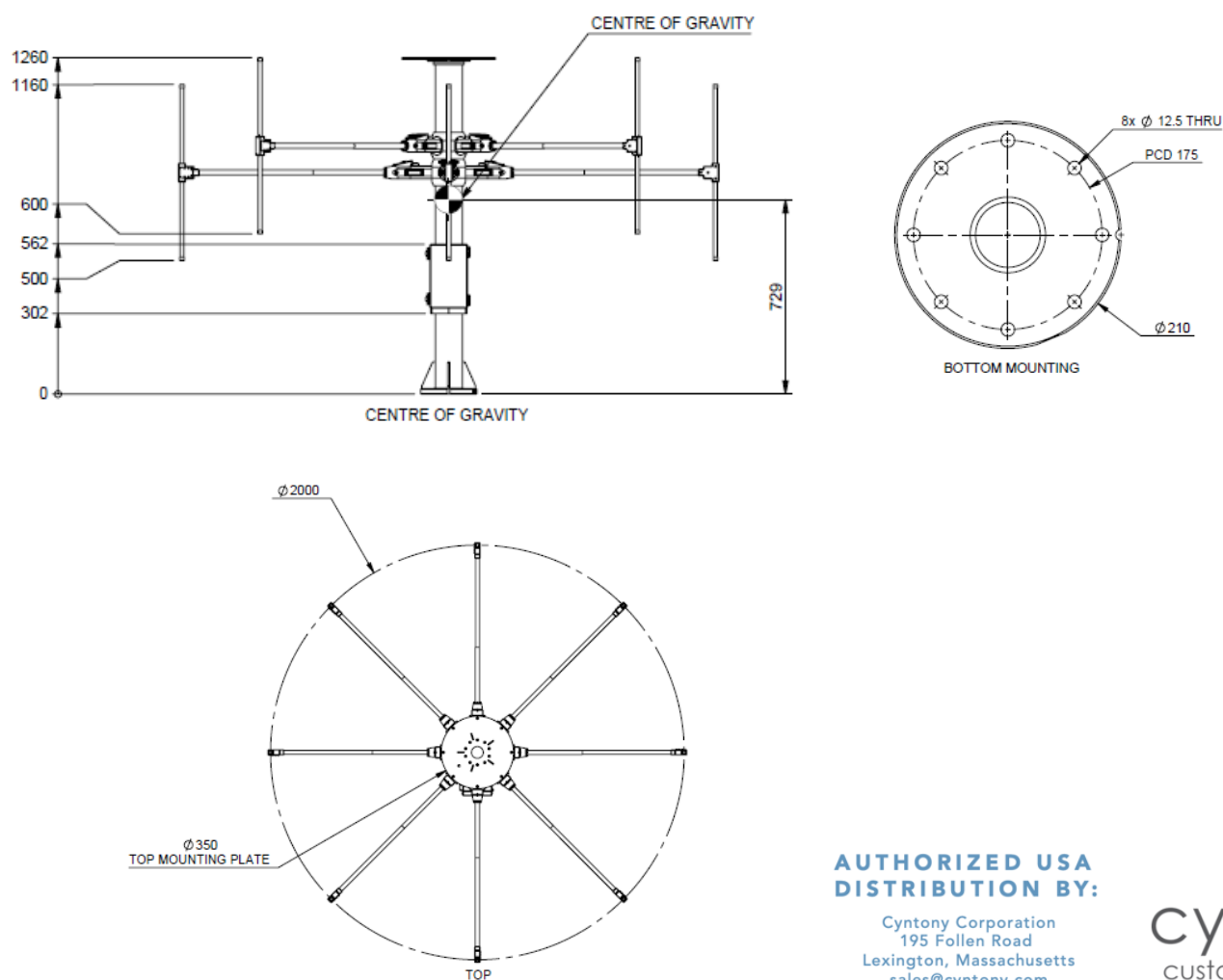
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Estimated sensitivity:

DF Sensitivity - Required E-Field to obtain an RMS Estimation Error of $<1.5^\circ$
CAL: Eight Element 500MHz Array VER: Eight Element 500MHz Array
Polarisation [Theta Phi] = [1 0], Averaging = 1x, Wild Bearings $< 0.1\%$



Mechanical outline dimensions:



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