

# 8-Element Direction Finding Antenna

20 – 500 MHz

Product Code: DF-A0309

VERSION: 1.1



## SPECIFICATIONS:

<b>Electrical:</b>	
Frequency range	20 – 500 MHz
Nominal input impedance	50 $\Omega$
Antenna type	8-element CDF
Polarisation	Vertical
Output cables	RG 400 cables (qty 8)
Connectors	TNC male
<b>Mechanical:</b>	
Antenna weight	< 30 kg
Assembled height	1260 mm
Assembled diameter	2000 mm
<b>Environmental: designed to meet the following specifications</b>	
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

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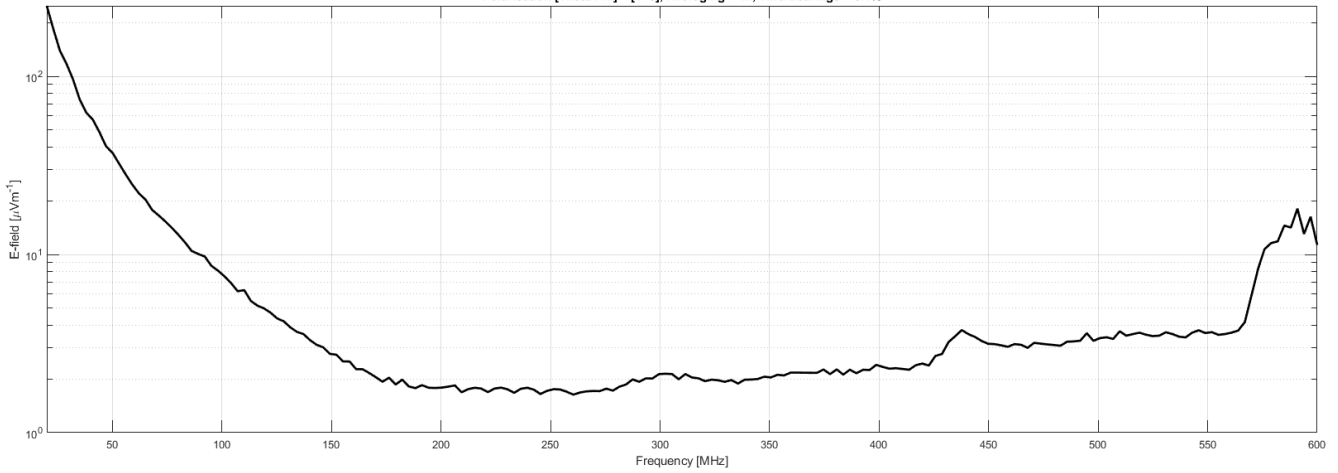
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## Estimated sensitivity:

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:

