

# Handheld Direction Finding Antenna

20 – 8500 MHz

Product Code: DF-A0282

VERSION: 1.2

## SPECIFICATIONS:



### PRODUCT DESCRIPTION:

The DF-A0282 is a handheld wideband antenna for direction finding and transmitter hunting in the 20 to 8500 MHz band.

It combines several antennas into a compact single housing together with integrated electronics to make it more effective when used in conjunction with signal analysers. This also makes interference hunting easier by eliminating the need for several antennas.

A single RF output is provided, with an internal diplexer to combine various antennas without having to select a frequency band of use.

An optional, robust carrycase is available for the DF-A0282.

<b>Product code:</b>	
DF-A0282	20 – 8500 MHz
<b>Electrical:</b>	
Antenna type	Combined loop / LPDA
Frequency range	
Band B:	20 – 500 MHz
Band C:	500 – 8500 MHz (Diplexed)
Nominal input impedance	50 Ω
VSWR	< 3.5:1 typical
Polarisation	Vertical
Antenna gain	See gain graphs
Angle detection	Brunton Compass
<b>Mechanical:</b>	
Form factor	Handheld
Dimensions (l x w x d)	502 mm x 325 mm x 35 mm (excluding compass)
Mass, excluding carry case	1.2 kg
Supplied parts	Antenna, Brunton Compass
Optional parts	Carrycase
<b>Environmental: designed to meet the following specifications</b>	
Operating temperature range	-30 °C to +55 °C
Storage temperature	-30 °C to +71 °C
Ingress protection	IP56
MTBF	> 50,000 h

### ELECTRICAL FEATURES:

- Brunton compass for precision angle detection
- Very wideband performance in a practical size
- Vertical polarisation
- Excellent radiation patterns

### MECHANICAL FEATURES:

- Small, light and easily operated by a single person
- Robust construction
- Waterproof

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Gain:

