

## SPECIFICATIONS:



<b>Electrical:</b>	
Frequency range	0.3 - 3600 MHz
Nominal input impedance	50 $\Omega$
Connectors	SMA female
Feed power handling	0.5 W (receive only)
Sensitivity	See Graph
Polarisation	Vertical
<b>Mechanical:</b>	
Dimensions (h x d)	548 mm x 1100 mm
Weight	30 kg
<b>DF:</b>	
Strong signal DF accuracy	2° RMS
DF type	Correlative interferometer

## PRODUCT FEATURES:

- HF capability
- Lightweight and portable
- Stackable through-hole mast
- Rugged radome

## APPLICATIONS:

- Mobile spectrum monitoring
- Fixed site spectrum monitoring

## PRODUCT DESCRIPTION:

The DF-A0029 is a lightweight wideband mobile DF antenna suitable for mast mount applications. A through-hole centre mast enables this antenna to form part of a stackable antenna assembly.

The antenna has a loop array for good DF performance at low frequencies where the phase size of the array is small, and two pentagonal arrays for the middle and high frequency ranges.

A cavity inside the antenna, approximately a 330mm cube, allows switching, amplification and RF processing to be integrated into the antenna, reducing cable loss and weight.

The complete antenna can be raised on its internal collapsible struts, by one person, without removing it from the mast. This allows access to the internal cavity, for connection and replacement of RF units.

In-phase combination of DF elements results in an omni directional pattern, which can be used for monitoring requirements.

## RELATED PRODUCT(S):

DF-A0030: Same as DF-A0029 excluding HF section

# Wideband Portable DF Antenna

0.3 – 3600 MHz

Product Code: DF-A0029

PRODUCT STATUS: Concept

VERSION: 1.0

