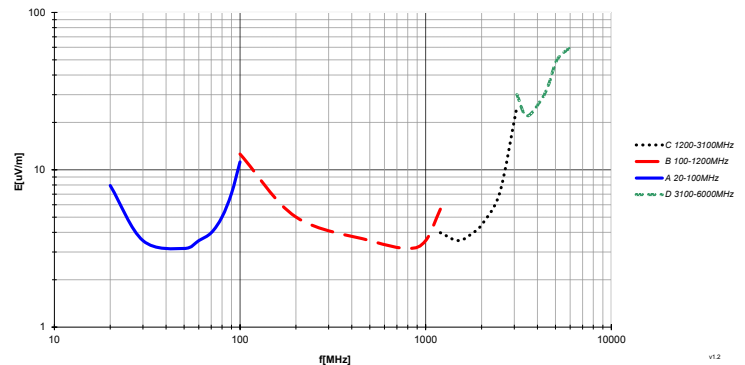




DF sensitivity DFA 2430 for 2° variance, B=500Hz  
(Frame Mode 3)



## DFA 2430

Direction-finding antenna

VHF

UHF

SHF

20 MHz – 6000 MHz

The DFA 2430 is a high sensitivity, active, lightweight, semi-mobile, seven channel direction-finding antenna covering 20 to 6000 MHz. The dipole antenna is vertically polarised and works efficiently with the correlative interferometer DF method. It is able to withstand wind speeds of up to 180 km/h when mounted on a suitable mast or stand.

### TECHNICAL HIGHLIGHTS

- 7 channel active antenna with low noise amplification
- high sensitivity across the entire frequency range
- resistant to multi-path scattering and polarisation changes
- lightweight and slim design
- fittings for mast deployments
- integrated omni module (optional)

### CUSTOMER ADVANTAGES

- high resistance to multipath propagation and high sensitivity even under weak signal conditions
- the slim and lightweight construction allows mounting on telescopic mast systems
- integrated monitoring capabilities reduces the number of required antennas

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RECEIVER

MONITORING  
RECEIVER

DIRECTION-FINDING  
ANTENNA

RADIO MONITORING  
ANTENNA

SIGNAL  
DISTRIBUTION

CONTROL &  
ANALYSIS SOFTWARE

DFA 2430	
DF frequency range	20 MHz – 6000 MHz
Subrange VLF/LF/MF	n/a
System sensitivity	n/a
DF accuracy	n/a
Subrange MF/HF	n/a
System sensitivity	n/a
DF accuracy	n/a
Subrange VHF	20 MHz – 100 MHz
System sensitivity	typ. 9 µV/m
DF accuracy	2° RMS
Subrange VHF/UHF	100 MHz – 1200 MHz
System sensitivity	typ. 9 µV/m
DF accuracy	1.5° RMS
Subrange UHF	1200 MHz – 3100 MHz
System sensitivity	typ. 10 µV/m
DF accuracy	1.5° RMS
Subrange SHF	3100 – 6000 MHz
System sensitivity	typ. 25 µV/m
DF accuracy	2° RMS
DF method	correlative interferometer
Antenna type	active
Antenna configuration	dipole
Antenna elements	28
Channels	7
Polarisation	vertical
Omnidirection monitoring Antenna/output	integrated
BITE	external calibration
Operating temperature	-40° to +70° C
Storage temperature	-40° to +70° C
Environmental protection	IP 55
Maximum wind velocity (w/o icing)	180 km/h (50 m/s)
Power consumption	12 VDC, I <sub>max</sub> = 5 A
Weight	42 kg
Diameter	750 mm
Height	1100 mm
Required space	mast
Installation	mast
Set-up time	up to 20 min
Extras	built-in compass

**unitronix**  
THE EMBEDDED EDGE

9-37 Currans Road, Cooranbong, NSW 2265  
+61 (0)2 4977 3511  
sales@unitronix.com.au www.unitronix.com.au

PLATH Signal Products GmbH & Co. KG · Gotenstrasse 18 · 20097 Hamburg · Germany

PHONE +49 40 237 34-0 · FAX +49 40 237 34-222 · E-MAIL info@plath-signalproducts.com · WEB www.plath-signalproducts.com