

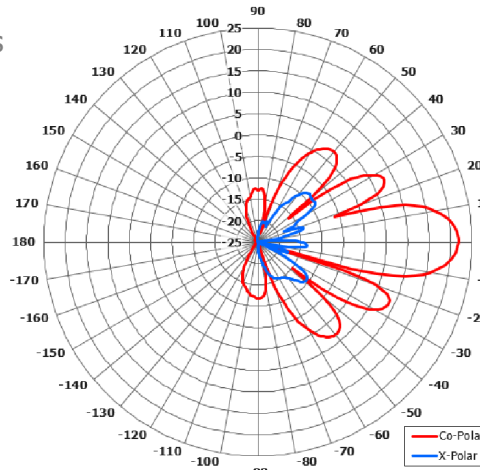
# FPA21-4.7VH/1998

## Directional Antenna

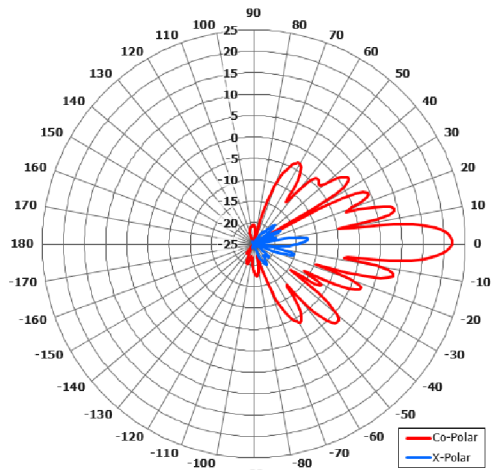


### Key Features

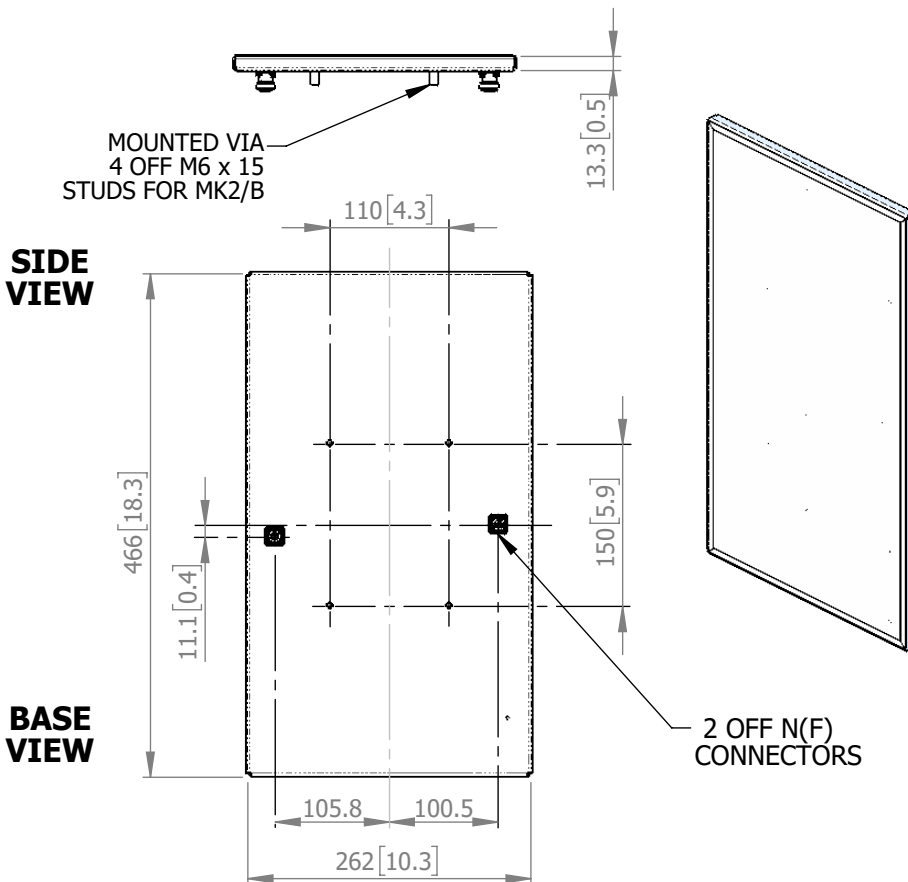
- Design for tactical communications
- High gain directional antenna
- Dual linear polarisation
- High interport isolation
- Rugged design



Azimuth Polar Plot



Elevation Polar Plot



### ELECTRICAL

Frequency:	4.40 - 5.00 GHz
Gain:	21.7 dBi Typ.
Polarisation:	Vertical & Horizontal
Beamwidth:	15 x 8° Approx.
Cross Polar:	>30 dB
VSWR:	2:1
Isolation:	>45 dB Typ.
Power Rating:	25 W

### MECHANICAL

Standard Finish:	Gloss white radome
Mass:	1.3 Kg / 2.86 lbs
Temperature:	-30 to +50°C Operational -30 to +80°C Storage
Wind Loading:	200 N @ 100 mph

### MOUNTING OPTIONS

Kits Available:	MK2/B
See Separate Data Sheets	

DS: 1998-3 Issued: 191020  
Dimensions: mm [inches] H

Chelton Limited has a policy of continuous development and stress that the information provided is a guide only and does not constitute an offer or contract or part thereof. Whilst every effort is made to ensure the accuracy of the information contained in this brochure, no responsibility can be accepted for any errors or omissions.

The copyright of antenna designs and images is copyright protected and owned by Chelton Limited.  
©Chelton Limited

For further information please contact:  
Chelton Limited,  
Lambda House, Cheveley,  
Newmarket, Suffolk CB8 9RG, UK.  
T: +44 (0)1638 732 177  
E: newmarket.sales@chelton.com  
W: www.chelton.com/microwave