

# FPA17-16R/1275

Directional Antenna



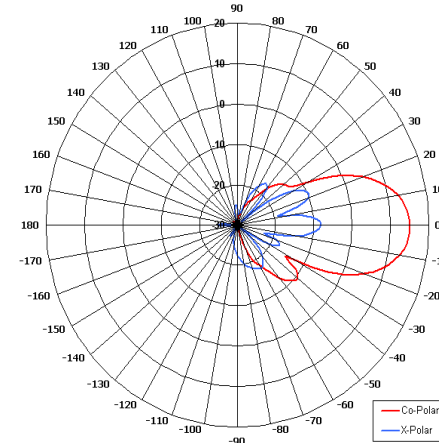
## Key Features

Designed for Satellite Application

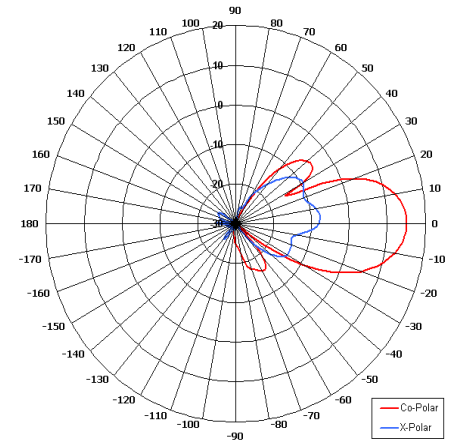
High Gain

Right Hand Circular Polarised

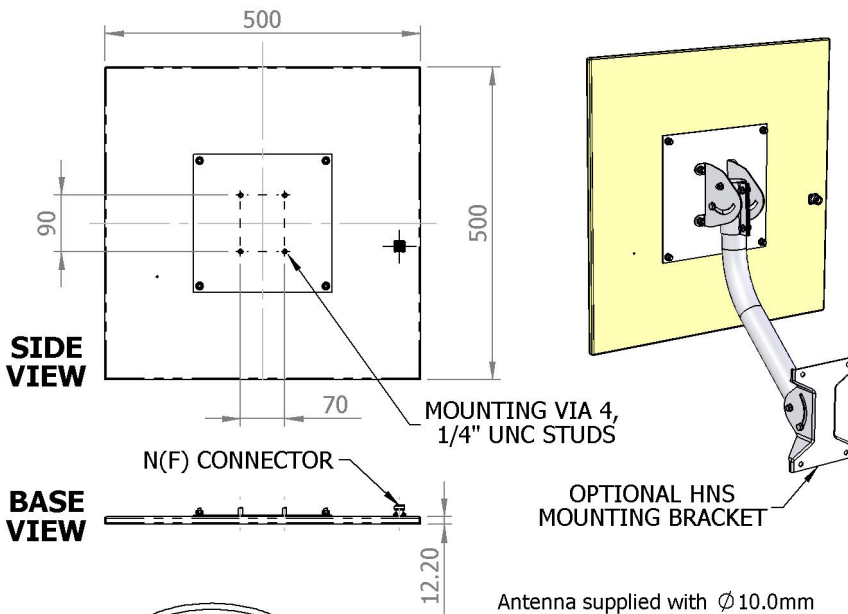
Adjustable Mounting Kit



Azimuth Pattern



Elevation Pattern



Antenna supplied with  $\varnothing 10.0\text{mm}$  flexible cable, terminated with N(M) connector and short length of  $\varnothing 3.0\text{mm}$  flexible cable with SMA(M) right angle connector. Also supplied with strain relief mechanism and SMA to MCX adapter for attachment to the User Terminal.

Overall length = 10.0m Nominal  
Insertion loss @ 1.542 GHz = 2.0 dB

ALL COMPONENTS USED IN THE ANTENNA AND ACCOMPANYING KIT ARE COMPLIANT WITH THE RoHS DIRECTIVES

**GA: 1275**

## ELECTRICAL

Frequency	1.5250 - 1.6605 GHz
Gain	15.1 dBi Rx, 15.2 dBi Tx Nom including 10M Cable
Polarisation	Right Hand Circular
Beamwidth	22° (Az) x 22° (El) Approx
Axial Ratio	3 dB Worst Case on Boresight
VSWR	<1.5:1
Power Rating	10 W
Front to Back	>30 dB

## MECHANICAL

Standard Finish	Painted White
Mass	1.7 Kg (3.7 lbs) Excl. Bracket
Temperature	-50° to +60°C Operating -50° to +80°C Storage
Wind Loading	Will Survive 100mph/160 kph Winds

## MOUNTING OPTIONS

Kits Available	HNS Mounting Bracket
See separate data sheets	

## ADDITIONAL NOTES

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