

# FPA16-2.4V/2418

**COBHAM**

## FLAT PANEL ANTENNA

The most important thing we build is trust

### Key Features

Flammability requirements in accordance with the London Underground Standard 'S1085'

Shock - BS EN 60068-2-27:2009

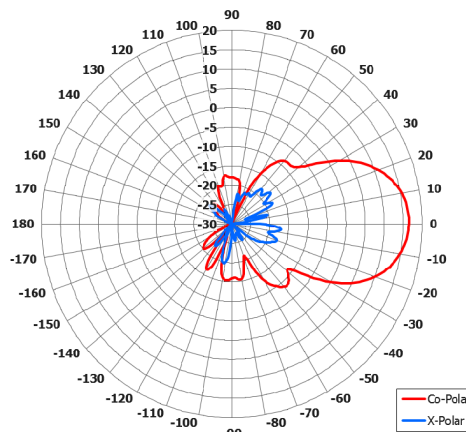
Vibration - BS EN 60068-2-64:2008

IP- BS EN 60529:1992+A2:2013

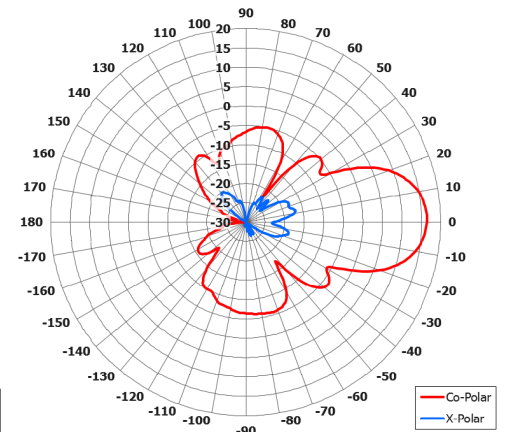
Temperature - BS EN 60068-2-2:2007

Solar Heat - BS EN 60068-2-5:2011

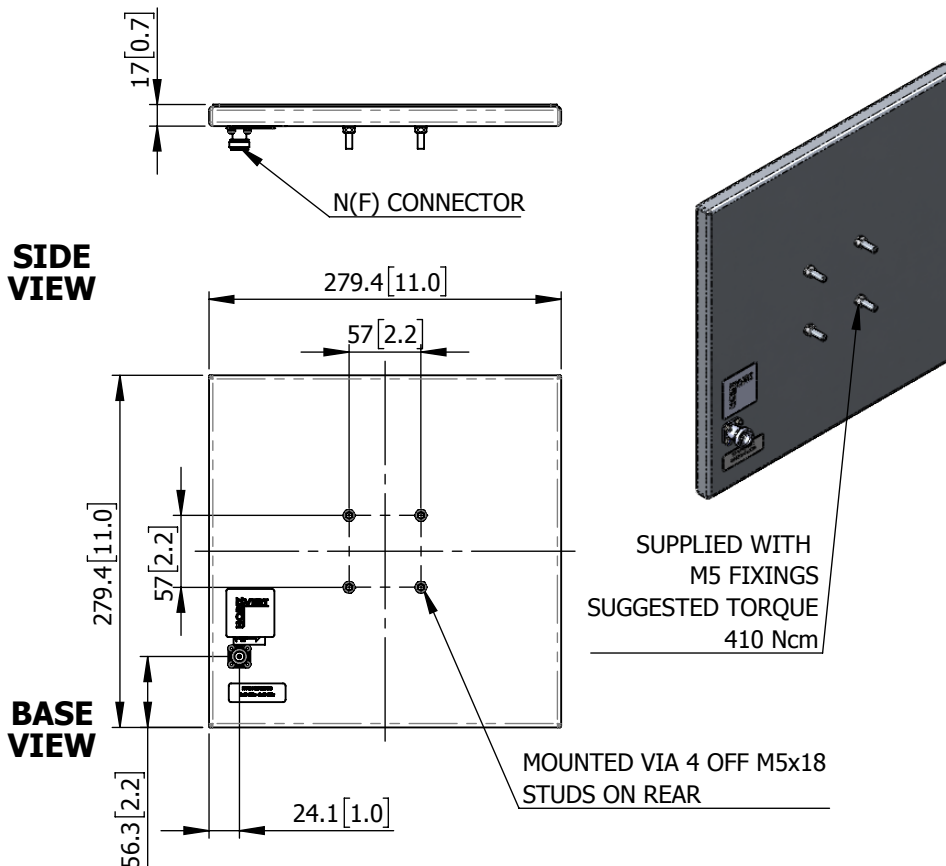
Humidity - BS EN 60068-2-30:2005



Azimuth Polar Plot



Elevation Polar Plot



### ELECTRICAL

Frequency: 2.3 to 2.6 GHz

Gain: 16 dBi Nom

Polarisation: Linear Vertical

Beamwidth: 28 x 26 deg approx

Cross Polar: >20 dB Typ

VSWR: <1.5:1 Typ 2:1 Max

Power Rating: 50W

Front to Back: >30 dB Typ

### MECHANICAL

Materials: FR4 1.55 0/0 VT-42 Radome, Aluminium H30 or similar Housing

Standard Finish: White Radome, Iridite Housing

Mass: 1 Kg without mount, 1.25 Kg inc. mc

Temperature: -40 to +70 deg C

Wind Loading: 112 N @ 100 mph

Assembly Details: EA11997rD

### MOUNTING OPTIONS

Kits Available: Mounted Via M5 Studs on Rear  
Optional Mounting Bracket MK17

See Separate Data Sheets - MK17

DS: 2418-1

Issued:

070917

Chelton Limited trading as Cobham Antenna Systems, Microwave Antennas

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