



Dual Polarised Antenna
Model 2240

- ❑ **UMTS SINGLE BAND**
- ❑ **HIGH CAPACITY APPLICATIONS**
- ❑ **SUPRESSED SIDELOBES**

This 'Twin Beam' model has been designed to double channel capacity at busy sites by replacing the existing single panel. It comprises two separate dual-polar antennas side-by-side in a single radome. This configuration reduces visual impact & simplifies installation, providing cost advantages over separate panels. The compact 1-metre model is particularly suitable for urban environments, with highly suppressed sidelobes to reduce interference with adjacent cells.

All models feature an extremely low component count and one-piece PCB. This results in consistently high product quality and reliability, having an excellent intermodulation performance. The mounting brackets enable Tilt or Pan + Tilt options. Two connectors for each antenna are provided on the base of the unit.

TECHNICAL SPECIFICATION (each sector)

MODEL 2240

Frequency	: 1900 - 2170 MHz
Horizontal Beamwidth	: 65°
Vertical Beamwidth	: 11°
Gain	: 16 dBi
VSWR	: 1.4:1 max
Fixed electrical downtilt options	: 2, 4, 6, 8 or 10°
Sidelobe suppression	: < -20 dB
Below horizon null-fill	: 1st null <18 dB below beam peak
Isolation	: 30dB typical
Front-to-back ratio	: >30dB
Power handling	: 200 Watts
Connectors	: 4 x 7/16" DIN (socket at bottom)
Dimensions	: 1000 mm x 275 mm x 95 mm
Operational wind speed	: 45 m/s (160 Km/h)
Survival wind speed	: 56 m/s (200 Km/h)
Max wind loading (Front)	: 282 N @ 45m/s
Weight	: 9 Kg
Temperature Range	: - 40°C to + 70°C
Bracket Options	: Tilt 8° Down 2° Up & Pan (± 45°)

