



TWIN BEAM, DUAL POLARISED ANTENNA 65°/ 2-16 dBi TYPE: 2240

- ❑ UMTS SINGLE BAND
- ❑ HIGH CAPACITY APPLICATIONS
- ❑ SUPPRESSED SIDELOBES

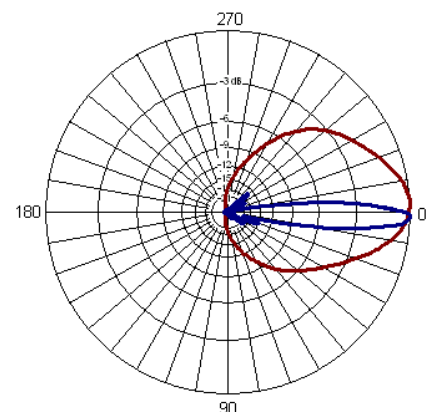
This 'Twin Beam' model has been designed to double channel capacity at busy sites by replacing the existing single panel. It comprises two separate dual-polar antennas side-by-side in a single radome. This configuration reduces visual impact & simplifies installation, providing cost advantages over separate 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)

Frequency	1900 - 2170MHz
Gain	16dBi
VSWR	1.4:1 max
Horizontal Beamwidth	65°
Vertical Beamwidth	11°
Fixed Electrical Downtilt Options	2°
Upper Sidelobe Suppression	>18dB
1 st Null Fill Below Horizon	<18dB
Front-to-Back Ratio	>30dB
Isolation	30dB typical
Power Rating	200W
Connectors	4 x 7/16" DIN (socket at bottom)
Dimensions (LxWxD)	1000 x 275 x 95 mm
Operational Wind Speed	45m/s
Survival Wind Speed	56m/s
Max Wind Loading (Front)	282 N @ 45m/s
Weight	9kg
Temperature Range	-40°C to +70°C
Bracket Options	Tilt 8° Down 2° Up & Pan (± 45°)



2 DEGREE DOWN TILT PLOT

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Thales reserve the right to vary in detail from the description and specification in this publication. Issue: 6/01/1