THALES ANTENNAS

UMTS DUAL-POLARISED TWIN BEAM ANTENNA
65°/2-19 dBi
Type 2243

- UMTS SINGLE BAND
- HIGH CAPACITY APPLICATIONS
- LOW-PROFILE RADOME

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.

Model variants are available giving different gain & electrical downtilt to exactly match your site requirements. 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 array are provided on the base of the unit.

TECHNICAL SPECIFICATION (each sector)

Frequency	1900 - 2170MHz
Gain	19dBi
VSWR	1.4:1 max
Horizontal Beamwidth	65°
Vertical Beamwidth	5°
Fixed Electrical Downtilt Options	2°
Upper Sidelobe Suppression	>18dB
1st Null Fill Below Horizon	<18dB
Front-to-Back Ratio	>25dB
Isolation	30dB
Power Rating	200W
Connectors	4 x 7/16" DIN (socket at bottom)
Dimensions (LxWxD)	1700 x 275 x 95 mm
Operational Wind Speed	45m/s
Survival Wind Speed	56m/s
Max Wind Loading (Front)	481 N @ 45m/s
Weight	15kg
Temperature Range	-40°C to +70°C
Bracket Options	**Tilt 8° down 2° up & pan (± 45°)**

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