



DUAL BAND, DUAL POLARISED, TWIN BEAM ANTENNA GSM1800 65°/18.5dBi, UMTs 65°/18.5dB TYPE: 2282

- ❑ GSM1800/UMTS APPLICATIONS
- ❑ LOW-PROFILE RADOME
- ❑ SIDELOBE SUPPRESSION

This 'Twin Beam' model has been designed to easily facilitate the addition of UMTS infrastructure to existing GSM1800 networks. 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.

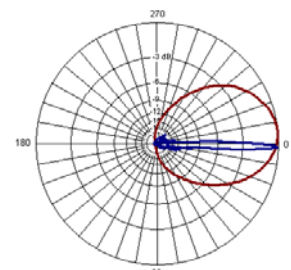
Model variants are available giving different gain & electrical downtilt to exactly match your site requirements. All models feature an extremely low component count and one-piece PCB. This results in consistently high product quality and reliability, having an excellent intermodulation performance.

The mounting brackets enable Tilt or Pan + Tilt options. Two connectors for each band are provided on the base of the unit.

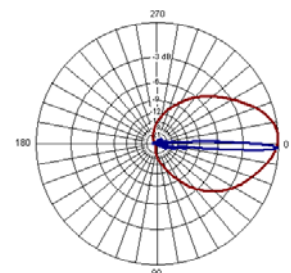


TECHNICAL SPECIFICATION

	GSM1800	UMTS
Frequency	1710 – 1880MHz	1900 - 2170MHz
Gain	18.5dBi	18.5dBi
VSWR	1.4:1 max	1.2:1 max
Horizontal Beamwidth	65°	65°
Vertical Beamwidth	5°	5°
Fixed Electrical Downtilt	2°	2°
Upper Sidelobe Suppression	>18dB	>18dB
1 st Null Fill Below Horizon	<18dB	<18dB
Front-to-Back Ratio	>25dB	>25dB
Isolation	30dB typical	30dB typical
Power Rating	200W	200W
Connectors (bottom)	2 x 7/16" DIN	2 x 7/16" DIN
Dimensions (LxWxD)	2000 x 275 x 95 mm	
Operational wind speed	45m/s (160Km/h)	
Survival wind speed	56m/s (200Km/h)	
Max wind loading (Front)	565 N @ 45m/s	
Weight	17.5kg	
Temperature Range	-40°C to +70°C	
Bracket Options	Tilt 8° Down 2° Up & Pan (± 45°)	



GSM1800 2 DEGREE DOWN TILT



UMTS 2 DEGREE DOWN TILT

THALES ANTENNAS LTD

First Avenue, Millbrook Trading Estate, Southampton SO15 0LJ United Kingdom

Tel: +44 (0) 2380 705705, Fax: +44 (0) 2380 701122, www.thalesantennas.com

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