

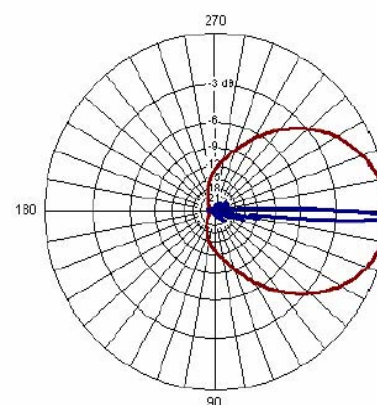
## Dual Polarised Panel Antenna GSM1800 XP/85/17.5/2, 5 or 8 Type 100-0008/9 & 31

- HIGH GAIN
- LOW-PROFILE RADOME

The GSM1800 base station antennas are available with 65° or 85° sector coverage, and include suppressed sidelobes as a standard feature. A number of models provide gain & fixed electrical downtilt to exactly suit the location. Superior circuit design coupled with advanced manufacturing techniques guarantee consistent product quality, with excellent intermodulation performance.

### TECHNICAL SPECIFICATION

Frequency	1710-1880MHz
Gain	17.5dBi
VSWR	1.4:1 max
Horizontal Beamwidth	85°
Vertical Beamwidth	>5°
Fixed electrical downtilt	100-0008 - 2° 100-0009 - 5° 100-0031 - 8°
Upper sidelobe suppression	>18dB
1 <sup>st</sup> null fill Below horizon	20dB below beam peak
Front-to-back ratio	>25dB
Isolation	>30dB typical
Power rating	250W
Connectors (bottom)	2 x 7/16" DIN
Dimensions (LxWxD)	1951 x 196 x 39 mm
Wind loading	367N @ 45m/s
Operational wind speed	45m/s
Survival wind speed	56m/s
Weight	8 Kg antenna, 4.5Kg brackets
Temperature Range	-40°C to +70°C
Bracket tilt	8° down, 2° up



2 DEGREE DOWN TILT PLOT

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Racal reserve the right to vary in detail from the description and specification in this publication. Issue: 08/03

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