



GSM1800 XP/85/17.5

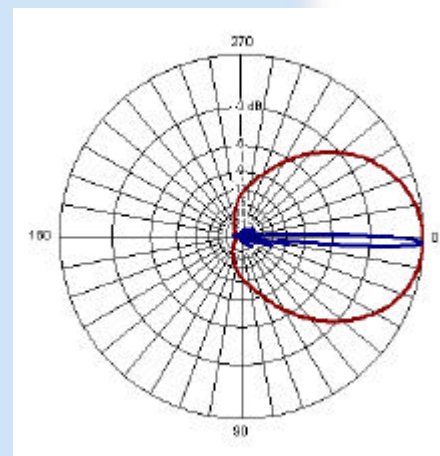
MODELS 100-0008, 100-0009 & 100-0031

- DUAL POLARISATION
- HIGH GAIN
- LOW-PROFILE RADOME

The GSM1800 base station antennas are available with 65 or 85 degree 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	1710-1880 MHz
Horizontal Beamwidth	85°
Vertical Beamwidth	>5°
Gain	17.5 dBi
VSWR	1.2:1 typical
Front-to-back ratio	>25 dB
Upper sidelobe suppression	> -20 dB
Fixed electrical downtilt	2°-100-0008 5°-100-0009 8°-100-0031
Below horizon null fill	1 st null 20dB below beam peak
Isolation between ports	>30 dB
Connectors (bottom)	2 x 7/16" DIN
Power rating	250 watts
Operational wind speed	45 m/s
Survival wind speed	56 m/s
Wind loading	367N @ 45m/s
Bracket tilt	8° down, 2° up
Dimensions	1951 x 196 x 39(depth) mm
Weight	8 Kg antenna, 4.5Kg brackets
Temperature Range	- 40°C to + 70°C



2 DEGREE DOWN TILT PLOT