

WIDE BAND, DUAL POLARISED ANTENNA VARIABLE ELECTRICAL DOWNTILT GSM1800-UMTS XP/65/17.4/VET 1029-900-01

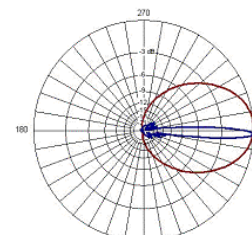
- ❑ **WIDE-BAND 2G / 3G APPLICATIONS**
- ❑ **LOW-PROFILE RADOME**
- ❑ **MAINTAINS ELEVATION BEAM SHAPE**

The 'Wideband Series' of panel antennas from Racal Antennas have been designed to easily facilitate the installation of Third Generation cellular infrastructure into new or existing networks. The introduction of variable electrical beam tilt in this version of the antenna provides excellent control of the elevation radiation pattern over the whole GSM1800 and UMTS band. The tilt angle can be varied using a simple mechanical adjustment, or by using a Remote Electrical Tilt (RET) AISG1 device attached at the base. A slimline radome reduces visual impact and provides an easily installed, robust enclosure. Two RF connectors are provided on the base of the unit.

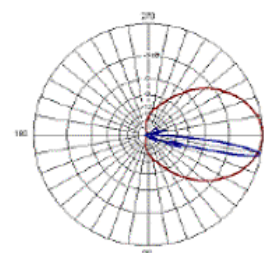


TECHNICAL SPECIFICATION

Frequency	1710-2170MHz
Gain	17.4dBi
VSWR	1.5:1 max
Horizontal Beamwidth	65°
Vertical Beamwidth	7.2° nominal
Variable Electrical Downtilt	0° to 8°
Tilt Adjustment	Manual at base of antenna. Remote Variable Tilt Available (AISG)
Upper Sidelobe Suppression	18dB typical (15dB max)
Front-to-Back Ratio	>25dB
Isolation	30dB Typical
IMP	<-150dBc 2 x 43dBm carrier
Power Rating	100W
Connectors (bottom)	2 x 7/16 DIN female
Dimensions (LxWxD)	1330 x 162 x 73 mm
Wind Loading	276N @ 45m/s
Operational Wind Speed	45m/s
Survival Wind Speed	56m/s
Weight	6.5kg
Bracket Options	Mechanical tilt ± 10°



Minimum Tilt 0 degrees



Maximum Tilt 8 degrees

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Racal reserve the right to vary in detail from the description and specification in this publication. Issue: 02/05

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