



**SINGLE BAND, DUAL POLARISED ANTENNA**  
**UMTS XP/65/16.5/2**  
**TYPE: 2206**

- ❑ SINGLE-BAND 3G APPLICATIONS
- ❑ ULTRA LOW-PROFILE RADOME
- ❑ EXCELLENT SIDELOBE SUPPRESSION

The '3G 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. A number of models provide variations in both gain and fixed electrical downtilt to exactly suit the required cell coverage. Slimline radomes reduce visual impact & provide an easily installed, robust enclosure. An extremely low component count and one-piece PCB result in consistently high product quality and reliability, having an excellent intermodulation performance. The mounting brackets enable Tilt or Pan + Tilt options. Two connectors are provided on the base of the unit.



**TECHNICAL SPECIFICATION**

Frequency	1900 - 2170MHz
Gain	16.5dBi
VSWR	1.4:1 max
Horizontal Beamwidth	65°
Vertical Beamwidth	9.8°
Fixed Electrical Downtilt	2°
Upper Sidelobe Suppression	>18dB
1 <sup>st</sup> Null Fill Below Horizon	<18dB
Front-to-Back Ratio	>30 dB @ ± 180° azimuth
Isolation	30dB typical
Power Rating	200W
Connectors	2 x 7/16" DIN (socket at bottom)
Dimensions (LxWxD)	950 x 142 x 43 mm
Operational Wind Speed	45m/s (160 Km/h)
Survival Wind Speed	56m/s (200 Km/h)
Max Wind Loading (Front)	223 N @ 45m/s
Weight	3.0kg
Temperature Range	-40°C to +70°C
Bracket Options	Tilt ±10°

