



Dual Polarised Antenna
Type: 470712, 47013, 47014

- ❑ **DUAL-BAND 3G APPLICATIONS**
- ❑ **LOW-PROFILE RADOME**
- ❑ **SIDELOBE SUPPRESSION**

The '3G Series' of panel antennas have been designed to easily facilitate the installation of Third Generation Cellular infrastructure into existing GSM1800 networks. The wideband design of this model allows both bands to be accessed via two connectors, reducing the cabling required to the BTS. A number of models provide variations in fixed electrical downtilt to suit the required cell coverage. Mechanical downtilt is available with an optional scissor bracket. 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.

TECHNICAL SPECIFICATION

MODEL 2211

| | |
|-----------------------------------|---|
| Frequency | : 1710 - 2170 MHz |
| Horizontal Beamwidth | : 60° |
| Vertical Beamwidth | : 8° |
| Gain | : 18 dBi |
| VSWR | : 1.5:1 max |
| Fixed electrical downtilt options | : 2° (713), 4°(712), or 6°(714) |
| Upper sidelobe suppression | : >- 15 dB |
| Isolation between ports | : >27dB |
| Front-to-back ratio | : >28 dB |
| Power handling | : 200 Watts |
| Connectors | : 2 x 7/16" DIN F (socket at bottom) |
| Bracket downtilt | : 0-15° with optional scissor bracket |
| Dimensions | : 1260 mm x 164 mm x 45 mm |
| Operational wind speed | : 45 m/s (160 Km/h) |
| Survival wind speed | : 56 m/s (200 Km/h) |
| Max wind loading (Front) | : 312 N @ 45m/s |
| Weight | : 3.8 Kg |
| Temperature Range | : - 55°C to + 65°C |
| Bracket Options | : Tilt only ± 8° Pan (± 30°) & Tilt (8° down 2° up) |

