



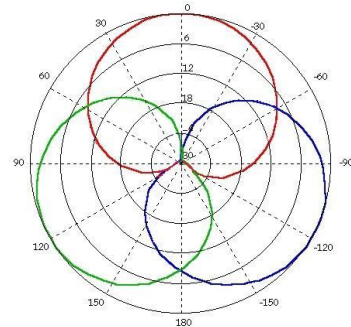
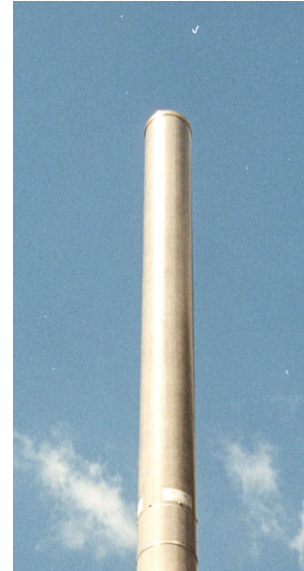
## DUAL POLARISED ANTENNA UMTS XP/65°/19/2, 4, 6 or 8 Type 2290

- ❑ TRI-SECTOR MONOPOLE MOUNTING
- ❑ DUAL POLARISED
- ❑ 3 X 65 DEGREE SECTORS

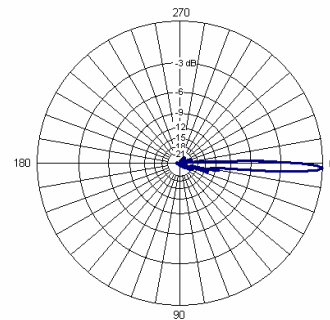
The antenna system is an array of 3 x 65 degree antennas mounted within a cylinder. The cluster diameter is 167mm, providing a very low profile to ease planning applications. The individual arrays can be supplied with any combination of fixed electrical downtilt to suit the site requirements.

### TECHNICAL SPECIFICATION (EACH SECTOR)

Frequency	1900 - 2170MHz
Gain	19dBi
VSWR	1.4:1 max
Horizontal Beamwidth	65°
Vertical Beamwidth	5°
Fixed Electrical Downtilt Options	2, 4, 6 or 8° in any combination
Upper Sidelobe Suppression	>18dB
1 <sup>st</sup> Null Fill Below Horizon	<18dB
Front-to-Back Ratio	>25dB
Isolation	30dB
Power Rating	200W
Impedance	50Ω
Connectors (bottom)	6 x 7/16" DIN
Dimensions (L x Ø)	1709 x 168 mm
Operational Wind Speed	45m/s (160Km/h)
Survival Wind Speed	56m/s (200Km/h)
Max Wind Loading (Front)	248N @ 45m/s
Weight	18.5kg
Temperature Range	-40°C to +70°C
Mounting Options	In-line monopole mount
Lightning Protection	Finial at top of antenna



Azimuth plot showing three sectors



Elevation plot, 2 degree downtilt

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Inotek Antennas reserve the right to vary in detail from the description and specification in this publication. Issue: 04/07