

DUAL POLARISED ANTENNA UMTS XP/65°/19/2, 4, 6 or 8 TYPE 2295

- TRI-SECTOR FLAGPOLE MOUNTING
- 3 X 65 DEGREE SECTORS

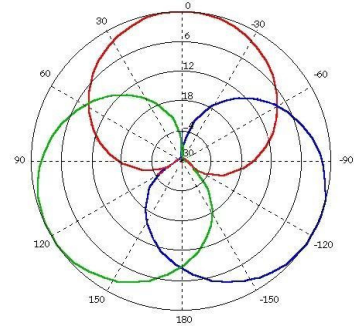
The antenna system is an array of 3 x 65 degree antennas mounted within a cylinder. The cluster diameter is 168mm, providing a very low profile to ease planning applications. The individual arrays can be supplied with any combination of fixed electrical downtilt to suit the site requirements. The height of the flagpole itself can be varied using different base sections to give overall heights of 5, 6 or 7 metres, and fixed electrical downtilt of 2°, 4°, 6° or 8° can be provided in each individual sector. A three or four guy system is utilised for stability.



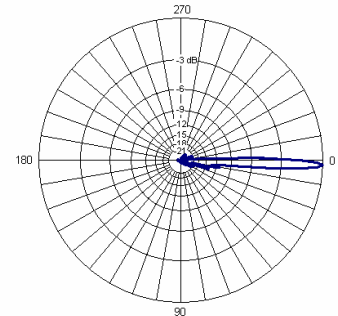
Shown with optional flag pole mounting

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 st 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
(4,6 and 8 degree tilt available)