

WIDE BAND TRI-SECTOR ANTENNA GSM1800/UMTS XP/65/17.5/2 or 5 Type 1090

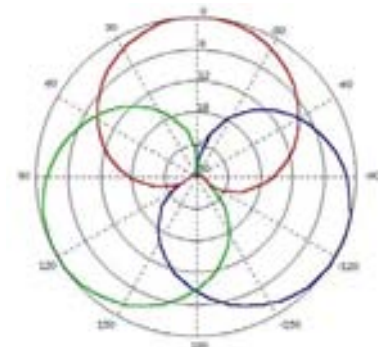
- ❑ WIDEBAND GSM1800-UMTS
- ❑ TRI-SECTOR MONOPOLE OR ROOFTOP MOUNTING
- ❑ DUAL POLARISED
- ❑ 3 x 65 DEGREE SECTORS

The antenna system is an array of 3 x 65 degree antennas mounted within a cylindrical radome. The diameter is 167mm, providing a very low profile to ease planning applications. The individual arrays can be supplied with either 2 or 5 degrees of fixed electrical downtilt to suit the site requirements.

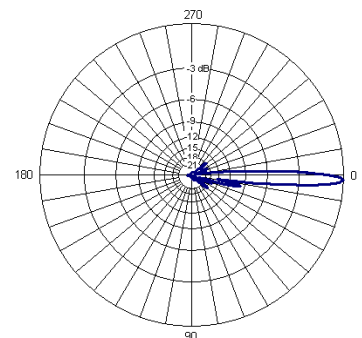


TECHNICAL SPECIFICATION

	GSM1800	UMTS
Frequency	1710-2170MHz	
Gain	17dBi	18dBi
VSWR	1.4:1 max	
Horizontal Beamwidth	65°	
Vertical Beamwidth	6°	5°
Fixed electrical downtilt	1090-222 2° 1090-555 5°	
Upper sidelobe suppression	>18dB	>17dB
1st null fill Below horizon	<18dB	
Front-to-back ratio	>25dB	
Isolation between ports	2° >25dB 5° >30dB	
Power rating	200W	
Connectors (bottom)	6 x 7/16" DIN	
Dimensions (L x Ø)	1709 x 168 mm	
Wind loading	<268N @45m/s	
Survival wind speed	208km/h	
Weight	18.5kg	
Temperature Range	-40°C to +70°C	
Mounting Options	In-line pole mount or flange mounting	



Azimuth plot showing three sectors



Elevation plot, 2 degree downtilt
(5 degree available)

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Racal reserve the right to vary in detail from the description and specification in this publication. Issue: 06/06