



**Dual Polarised Antenna**  
**Type: 1745**

- ❑ **TRI-BAND 3G APPLICATIONS**
- ❑ **INDEPENDENT DOWNTILT FOR EACH BAND**
- ❑ **SUPRESSED SIDELOBES**

The Tri-band design of this unit ensures coverage of the GSM900, GSM1800 & UMTS bands with one panel. Four output connectors are provided, allowing operators to split the UMTS band for amplification requirements at the mast head. The arrays within the radome have independent fixed electrical downtilt for each band, manufactured to customers' specifications.

The 1745 provides an ideal solution where there are space constraints at existing sites limiting the use of single band panels.

**Technical Specification**

<b>MODEL 1745</b>	<b>GSM900</b>	<b>GSM1800</b>	<b>UMTS</b>
Horizontal Beamwidth	: 65°	65°	65°
Vertical Beamwidth	: 8°	8°	6°
Gain (dBi)	: 15.5	15.5	16.5
VSWR	: 1.4:1		
Fixed electrical downtilt options	: 0°	0°	0°
Sidelobe suppression	: >-18 dB	>-18dB	>-18dB
1 <sup>st</sup> Null fill below horizon	:		>-18dB
Isolation between ports	: >30dB	>30dB	>30dB
Front-to-back ratio	: >25 dB		
Power handling	: 200 Watts		
Connectors	: 2 x 7/16 GSM900/1800 2 x 7/16 UMTS		
Dimensions	: 2478 x 324 x 243 mm		
Operational wind speed	: 45 m/s (160 Km/h)		
Survival wind speed	: 56 m/s (200 Km/h)		
Max wind loading (Front)	: 1080 N @ 45m/s		
Weight	: 26 Kg		
Temperature Range	: - 40°C to + 60°C		
Bracket downtilt	: 0-10°		
Radome material & colour	: Matt grey Styrosun		

