



## Multi-band Collinear Antenna (Model: A-COL2199)

### Features

- ❖ Patented PCB Meander-based collinear design offering the ultimate in pattern and gain stability
- ❖ Ideal for all new 3G networks with true multi-band coverage
- ❖ Patch leads available to suit all major modem manufacturers
- ❖ Perfect for 3G conditions requiring the ability to switch calls across bands
- ❖ Minimum 6.5dBi gain across 824-960MHz suiting fringe and rural applications



### Description

The COL2100 Series are high gain cellular antennas catering for 3G850, 3G900, GSM900/1800, GSM-R1800, PCS1900 and 3G2100 bands and ideally suited for use in fringe areas and rural applications.

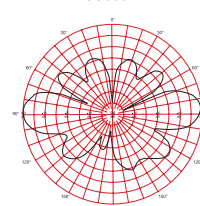
These antennas are extremely robust in design with a patented PCB design radiating element housed in a black fibreglass radome fitted to heavy duty stainless steel mounting tube.

### Specifications

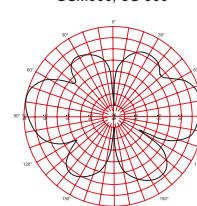
#### Electrical Specifications

Nominal Gain	9 dBi	3 dBi
Frequency Range	824-960 MHz /	1710-2170 MHz
Tuned Bandwidth	Full	
VSWR (Return Loss)	< 2.5:1 (7.35 dB)	
Impedance	50 Ohms	
Vertical Beamwidth	9°	40-60°
Input Power	10 W	

Typical E-Plane response  
3G850



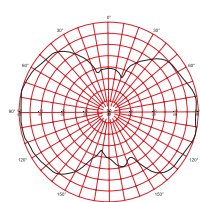
Typical E-Plane response  
GSM900, 3G 900



#### Mechanical Specifications

Construction	Black radome, 20mm S/S mounting tube
Length	1730 mm
Radome Diameter	15.6 mm
Weight	0.622 kg
Shipping Weight	1.152 kg
Shipping Dimensions	65 x 65 x 2000 mm
Termination	10m of 9006 low loss cable with FME101 connector, A-88 adaptor (SMA-m)
Mounting Area	200 x 19 S/S, 2 x S/S hose clamps (supplied)

Typical E-Plane response  
GSM1800



Typical E-Plane response  
3G2100

