

# 4G LTE Cellular Fixed Antenna

698-2700MHz

COL7100 Series

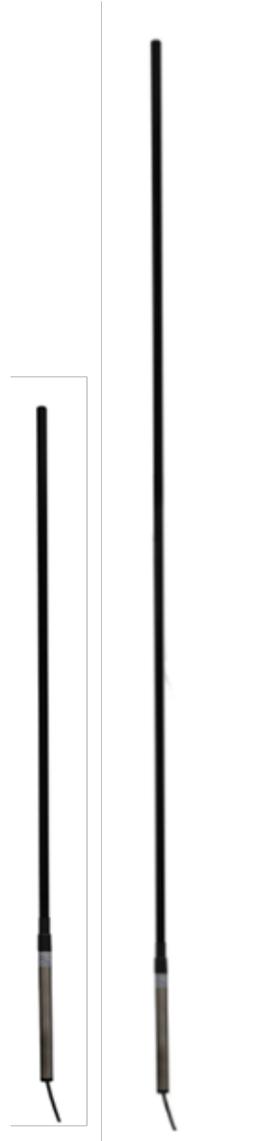
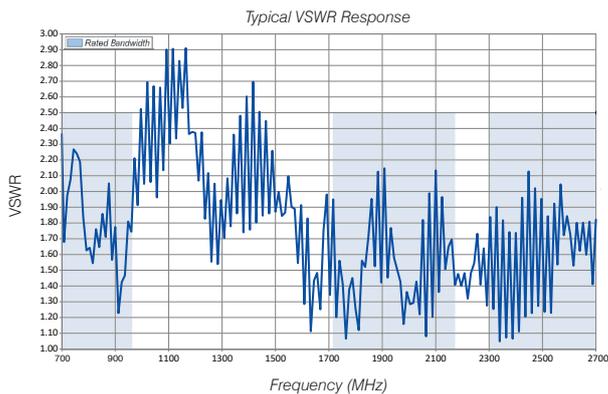


The evolution continues with the release of the COL700 Series 4G LTE cellular Meander™ collinear antenna. Like the COL2100 Series, the secret to its outstanding performance lies in the use of the patented Meander™ radiating elements. These Meander™ circuits are coupled together to deliver extraordinary consistency in gain, coverage pattern and bandwidth. The result is a unique antenna able to operate across all mobile phone networks globally, housed in the one unit.

With a 200mm (x 19mm) stainless steel mounting tube, the COL7100 Series is designed to be mounted to a vertical support structure using the two supplied stainless steel hose clamps, which have an adjustment of 27-51mm.

## Features:

- Patented PCB based collinear design offering the ultimate in pattern and gain stability
- Ideal for all new 4G networks with true multi-band coverage
- High gain across 4Gx/4G+ band suiting fringe and rural applications



## Electrical Specifications

Model Number	COL7195	COL7199
Frequency MHz	698-960 / 1710-2170 / 2300-2700	
Nominal Gain dBi (dBd)	6.5 / 4.5 / 5.5	8.5 / 4.5 / 5.5
Tuned Bandwidth	Full	
VSWR (Return Loss)	<2.5:1	
Nominal Impedance Ω	50	
Vertical Beamwidth°	25/30/20	15/15/20
Input Power W	10	

## Mechanical Specifications

Model Number	COL7195	COL7199
Construction	Black fibreglass with 200mm stainless steel mounting tube	
Length mm	965	1730
Radome Diameter mm	15.6	
Weight kg	0.572	0.622
Cable / Connector	10m 9006 (RG58) low loss cable terminated with FME female connector and supplied with FME male to SMA male adaptor	
Mounting	200 x 19mm stainless steel mounting tube & 2 x stainless steel hose clamps (included)	
Wind Gust Rating km/h	240	