

5G LTE Collinear Fixed Antenna

698-3800 MHz

COL8100 Series



The new COL8100 Series 5G LTE antennas not only cover the 4G LTE bands (698-960 MHz, 1710-2170 MHz, and 2300-2700 MHz) but now the new 5G LTE band (3400-3800 MHz) and is ideal for use with cellular modems & active repeaters, especially when signal is poor.

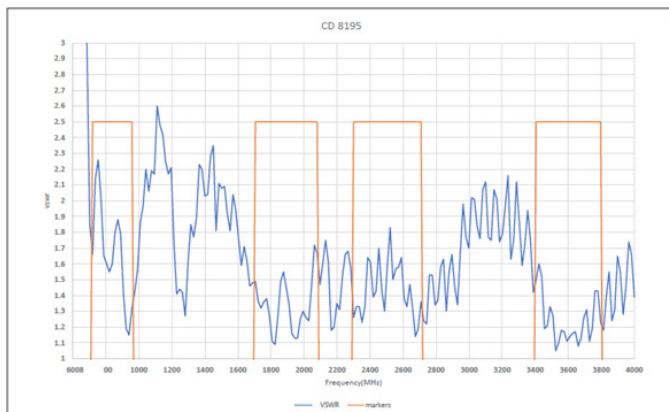
The outstanding performance of the COL8100 series lies in the use of the patented Meander™ radiating elements. These Meander™ circuits are coupled together to deliver extraordinary consistency in gain, coverage pattern and bandwidth. The result is a unique antenna able to operate across all mobile phone networks globally, housed in the one unit.

The COL8100 Series is supplied with a 200mm x 19mm stainless steel mounting tube which is designed to be mounted to a vertical support structure using the two supplied stainless steel hose clamps.

Key Features:

- Patented PCB based collinear design offering the ultimate in pattern and gain stability.
- Ideal for new 5G/LTE networks with true multi-band coverage.
- High gain across all bands making it suiting fringe and rural applications.

Nominal VSWR:



Electrical Specifications

Model No.	COL8195	COL8199
Frequency MHz	698-960 / 1710-2170 / 2300-2700 / 3400-3800	
Nominal Gain dBi	6.5 / 4.5 / 5.5 / 6.5	8.5 / 4.5 / 5.5 / 6.5
Turned Bandwidth	Full	
VSWR	<2.5:1	
Nominal Impedance Ω	50	
Vertical Beamwidth °	25 / 30 / 20 / 15	10 / 30 / 20 / 15
Input Power W	10	

Mechanical Specifications

Model No.	COL8195	COL8199
Construction	Fibreglass	
Mounting	Stainless Steel 200 x 19mm Mounting Tube. Supplied with 2 x Stainless Steel Hose Clamps (Adjustable from 27-51mm)	
Length mm	965	1730
Cable / Connector	10m RG58 (9006) low loss cable terminated with SMA male connector	
IP Rating	IP65	
Operating Temperature °C	-45 to +85	
Wind Gust Rating km/h	240	