

# 5G LTE Collinear Mobile Antenna

698-3800 MHz

CD8100 Series



The new CD8100 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 are ideal for use with cellular modems & active repeaters, especially when signal is poor.

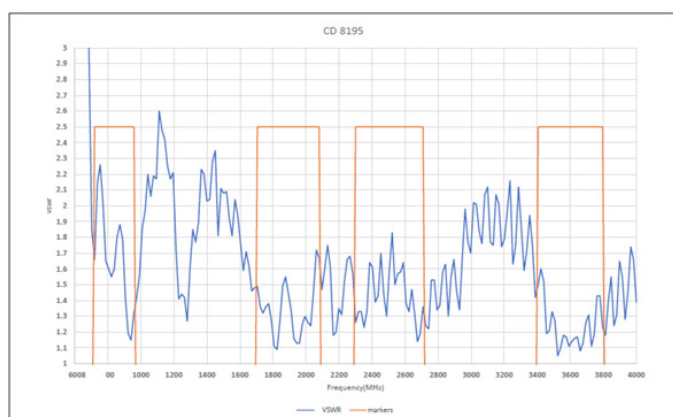
The outstanding performance of the CD8100 Series lies in the use of the patented Meander radiating elements. These Meander circuits are coupled together to deliver extraordinary consistency in gain, coverage pattern and bandwidth. The result is a unique antenna able to operate across all mobile phone networks globally, housed in the one unit.

The CD8100 Series Includes an integrated spring with threaded stud/nut for easy installation on vehicles.

## 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.	CD8194	CD8195	CD8197
Frequency MHz	698-960 / 1710-2170 / 2300-2700 / 3400-3800		
Nominal Gain dBi	5.5 / 4.5 / 5.5 / 6.5	6.5 / 4.5 / 5.5 / 6.5	7.5 / 4.5 / 5.5 / 6.5
Turned Bandwidth	Full		
VSWR	<2.5:1		
Nominal Impedance Ω	50		
Vertical Beamwidth °	30 / 30 / 20 / 15	25 / 30 / 20 / 15	20 / 30 / 20 / 15
Input Power W	10		

## Mechanical Specifications

Model No.	CD8194	CD8195	CD8197
Construction / Whip Type	Fibreglass Non-Removable		
Spring Assembly	Parallel		
Mounting	1/2" 26TPI Threaded Stud & Nut		
Mounted Length mm	645	920	1150
Cable / Connector	5m RG58 (9006) low loss cable (9006) terminated with SMA male connector		
Mounting Hole	Ø 13-16mm mounting hole		
Colours (Suffix code when ordering)	-B: Black	-B: Black, -W: White with Chrome Spring & -WB White with Black Spring	