

# 5G LTE Collinear Mobile Antenna

698–3800 MHz

CDQ8100 Series



The new CDQ8100 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 CDQ8100 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.

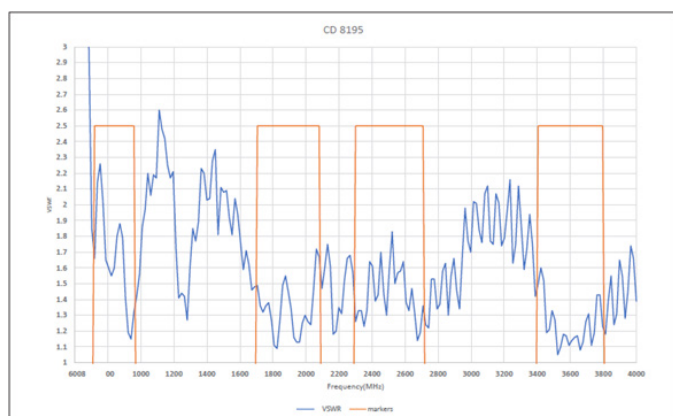
It is our flagship product and is designed for the harsh Australian conditions. & includes an integrated spring with threaded stud/nut for easy installation on vehicles. The CDQ8100 Series whips can be removed via the integrated N male connector in the whip and N female connector on the spring assembly.

## 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.
- Q-Fit® removable whip system for ease of removal in low height environments such as multi-story car parks, car washes or for security.



## Nominal VSWR:



## Electrical Specifications

Model No.	CDQ8194	CDQ8195	CDQ8197	CDQ8199
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	8.5 / 4.5 / 5.5 / 6.5
Turned Bandwidth	Full			
VSWR	<2.5:1			
Nominal Impedance Ω	50			
Vertical Beamwidth °	30 / 30 / 20 / 20	25 / 30 / 20 / 15	20 / 30 / 20 / 15	10 / 30 / 20 / 15
Input Power W	10			

## Mechanical Specifications

Model No.	CDQ8194	CDQ8195	CDQ8197	CDQ8199
Construction / Whip Type	Fibreglass/Removeable			
Spring Assembly	Heavy Duty Bellied Spring			Extra Heavy Duty Parallel Spring Assembly
Mounting	1/2" 26TPI Threaded Stud & Nut			M16 x P1.0 Threaded Stud & Nut
Length mm	735	970	1210	2080
Cable / Connector	5m RG58 (9006) low loss cable terminated with SMA male connector			
Mounting Hole	Ø 13-16mm			Ø 16mm
Colours (Suffix code when ordering)	-B: Black	-B: Black & -W: White		