

# 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.

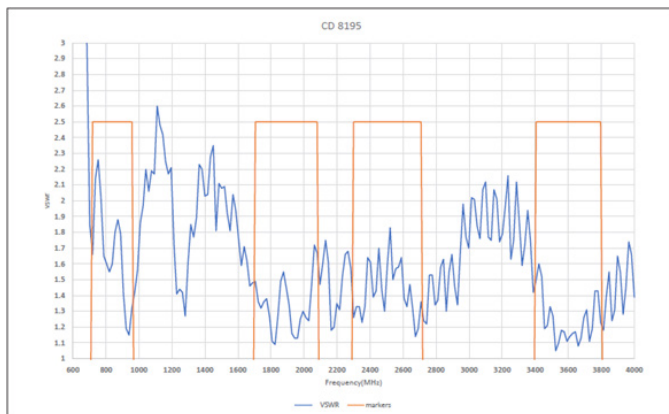
It is our flagship product and is designed for the harsh Australian conditions. & includes an integrated spring with threaded stud/nut for easy installation on vehicles. The CDQ8100 Series whips can be removed via the integrated N male connector in the whip and N female connector on the spring assembly.

## 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 / 15	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 Convex Spring	Heavy Duty Convex Spring	Heavy Duty Convex / Extra Heavy Duty Parallel Spring	Extra Heavy Duty Parallel Spring
Mounting	1/2" 26TPI Threaded Stud & Nut			M16 x P1.0 Threaded Stud & Nut
Mounted Length mm	705	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, -WB White with Black Spring, & -HD: Extra Heavy Duty Spring option		