5G LTE Collinear Mobile Antenna
698-3800 MHz
CDR8100 Series

RFI TECHNOLOGY SOLUTIONS

The new CDR8100 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 CDR8100 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.
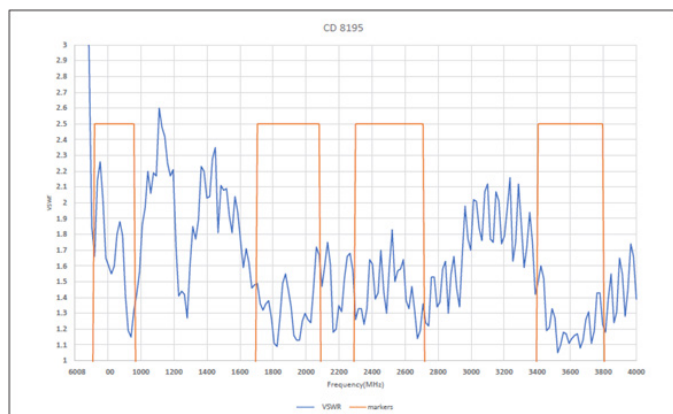
The CDR8100 Series sits neatly in between our lighter duty CD8100 Series & our heavy duty CDQ8100 Series. Includes an integrated spring with threaded stud/nut for easy installation on vehicles . The CDQ8100 Series whips can be removed via the integrated N male connector in the whip and N female connector 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.	CDR8194	CDR8195
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
Turned Bandwidth	Full	
VSWR	<2.5:1	
Nominal Impedance Ω	50	
Vertical Beamwidth °	30 / 30 / 20 / 15	25 / 30 / 20 / 15
Input Power *W*	10	

Mechanical Specifications

Model No.	CDR8194	CDR8195
Construction / Whip Type	Fibreglass/Removable	
Spring Assembly	Bellied	
Mounting	1/2" 26TPI Threaded Stud & Nut	
Mounted Length *mm*	665	970
Cable / Connector	5m RG58 (9006) low loss cable terminated with SMA male connector	
Mounting Hole	Ø 13-16mm mounting hole	
Colours (Suffix code when ordering)	-B: Black	-B: Black, -W: White Chrome Spring & -WB White with Black Spring