

# CDX-TREME Collinear Cellular Antennas

698-3800 MHz

CDX-TREME Series



The CDX-TREME cellular antennas are designed to not only look great on your 4x4 recreational and commercial vehicle but also perform optimally in the remotest of locations.

Designed to covers the full cellular bands from the 5G LTE 3400-3800MHz), to the 4G LTE (698-960MHz, 1710-2170MHz and 2300-2700MHz) and is ideal for use with cellular modems, & active repeaters when signals are at their poorest.

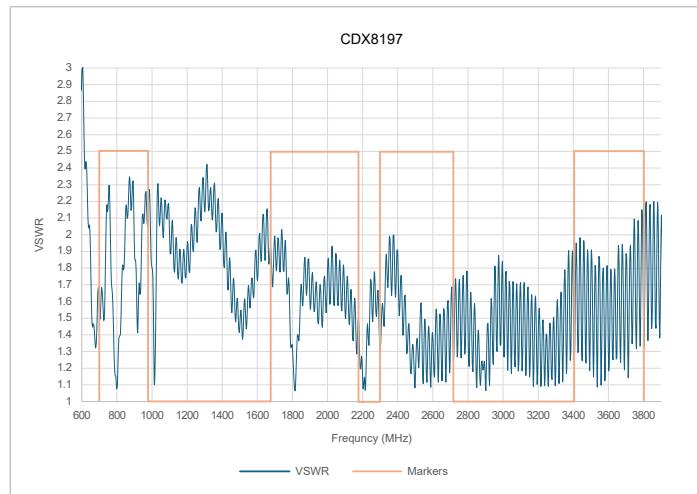
The patented Meander™ radiating element, not only provides extraordinary gain, coverage patterns and bandwidth but it ensures that product is consistently produced to performs at its best. Being lighter and with less integrated components and support mechanisms than others in the market, it is designed to withstand the toughest of conditions, even in high vibration applications.

With a larger spring for the toughest of Australian conditions, this design incorporates our Q-Fit design so that different gain whips can be chosen for optimal performance in varied applications. Installation is made easy with 5m of cable, reliable integrated N-connector and larger mounting thread with nut and star washer for reduced maintenance on more mounts in high vibration conditions.

## Key Features

- Patented PCB based collinear design offering the ultimate in pattern and gain stability.
- 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.

## Typical VSWR



## Electrical Specifications

| Model Number               | CDX8197                                     |
|----------------------------|---|
| Frequency MHz              | 698-960 / 1710-2170 / 2300-2700 / 3400-3800 |
| Nominal Gain dBi           | 7.5 / 4.5 / 5.5 / 6.5                       |
| Turned Bandwidth           | Full  |
| VSWR                       | <2.5:1                                      |
| Nominal Impedance $\Omega$ | 50  |
| Vertical Beamwidth °       | 20 / 30 / 20 / 15                           |
| Input Power W              | 10  |

## Mechanical Specifications

| Model Number                        | CDX8197  |
|-------------------------------------|--|
| Construction / Whip Type            | Fibreglass/Removable   |
| Spring Assembly                     | Heavy Duty Convex Spring   |
| Mounting                            | M16 x P2.0 Threaded Stud, Star Washer and Nut                    |
| Mounted Length mm                   | 1200   |
| Cable / Connector                   | 5m RG58 (9006) low loss cable terminated with SMA male connector |
| Mounting Hole                       | Ø 16mm   |
| Colours (Suffix code when ordering) | -B: Black  |