

## FEATURES

- Heavy duty barrel spring vehicle antenna
- Supports all bands across 2G, 3G and 4G networks
- Compatible with Telstra's 4Gx and Optus' 4G Plus networks
- Carrier aggregation ready
- Perfect protection against extreme weather conditions
- Bull bar, pole or wall mount, with mounting brackets included
- 9 dBi peak gain
- Included 4.5 metres of low loss RG58 cable terminated with a SMA-M connector

## Vehicle Omni Antenna 3G+4G+4GX (ANT-VHCL-4SP)

The Comset ANT-VHCL-4SP 3G/4G/4GX Multiband Vehicle Omni Antenna provides an innovative and future proof solution for 2G, 3G and 4G networks. It supports all bands across 2G, 3G and 4G networks, including Telstra's 4GX and Optus' 4G Plus networks on the 700 MHz B28 band. It has a peak gain of 9 dBi and a wide frequency range of 698 to 2700 MHz.

This antenna is ideal for vehicle applications in outdoor harsh weather conditions, due to the strong copper and aluminium components, and the fibreglass whip on a barrel spring mount.

The Comset ANT-VHCL-4SP antenna is suitable for bull bar, wall or pole mounting. Barrel spring and mount brackets are included. Also included is a 4.5 metre low loss RG58 coaxial cable, terminated with a SMA male connector.



## Specifications

### MODEL

- ANT-VHCL-4SP

### ELECTRICAL DATA

#### Frequency

- 698-960 MHz
- 1710-2170 MHz
- 2300-2700 MHz

#### Operational Bands

- 2G, 3G, 4G, 4GX

#### Gain

- 4.5 dBi @ 700 MHz
- 4.5 dBi @ 850 MHz
- 5 dBi @ 900 MHz
- 6 dBi @ 1800 MHz
- 8 dBi @ 2100 MHz
- 9 dBi @ 2600 MHz

#### Polarisation

- Vertical

#### Voltage Standing Wave Ratio

- < 1.5

#### Horizontal Beamwidth

- 180°

#### Lightning Protection

- Direct Ground

#### Impedance

- 50 Ω

#### Max Input Power

- 100 W

#### Radiation

- Omni

### MECHANICAL DATA

#### Material

- Fibreglass
- Copper
- Aluminium alloy

#### Colour

- White

#### Diameter

- 19.6 mm

#### Length

- 644 mm (without barrel spring)
- 770 mm (with barrel spring)

#### Weight

- 1.1 kg

#### Working Temperature

- -50 °C to 80 °C

#### Cable

- RG58
- 4.5 m length
- SMA male connector

### MOUNTING DATA

#### Fixing

- Wall mount
- Mast mount
- Bull bar mount

#### Mounting Bracket

- L-shape bracket (included)

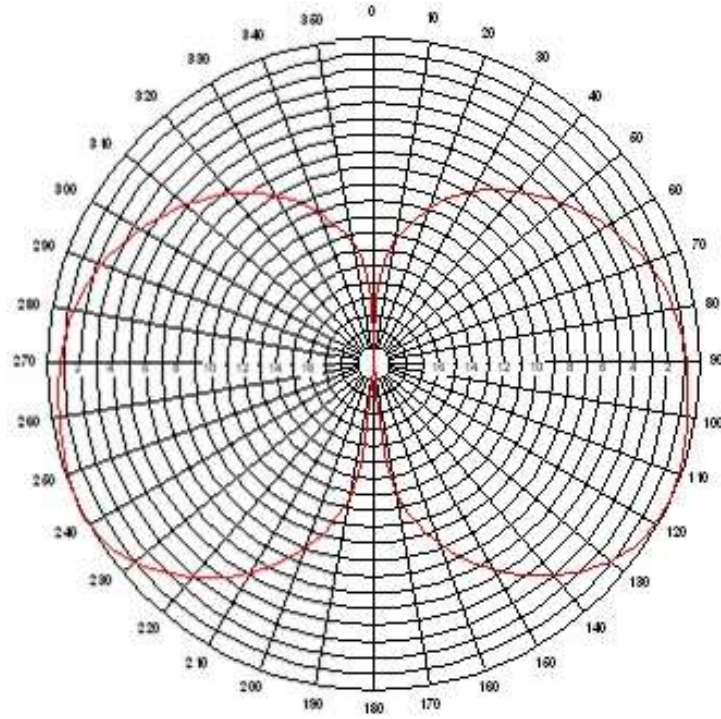
#### Hold Pole Diameter

- Ø25 – Ø40 mm

### NETWORK COMPATIBILITY

Carrier	Frequency (MHz)	Band	Gain (dBi)	Compatible?
Telstra (4GX)	700	28	4.5	✓
Telstra 4G	1800	3	6.0	✓
Telstra 4G	2100	1	8.0	✓
Telstra 4G	2600	7	9.0	✓
Optus (4G Plus)	700	28	4.5	✓
Optus 4G	900	8	5.0	✓
Optus 4G	1800	3	6.0	✓
Optus 4G	2300	40	8.0	✓
Optus 4G	2600	7	9.0	✓
Vodafone (4G+)	850	5	4.5	✓
Vodafone 4G	900	8	5.0	✓
Vodafone 4G	1800	3	6.0	✓
Vodafone 4G	2100	1	8.0	✓
TPG 4G	700	28	4.5	✓
TPG 4G	2600	7	9.0	✓
NBN Co	2300	40	8.0	✓

**E-PLANE**



**H-PLANE**

