



CT800 and CT900

Low profile ruggedised antenna
Lower 4G/3G & 2G 820-890 MHz or 890-960 MHz



If you require a mobile phone or wireless data network antenna which is small, inconspicuous and virtually indestructible, then the CT800 for Telstra 4G/3G or the CT900 for Optus & Vodafone 4G/3G antenna will be your solution.



These low profile antenna are an ideal solution where there is vulnerability to vandalism, theft or damage.

Applications suited for these antennas are:

- Trains / Trams
- Buses / Trucks
- Forklifts
- Tractors
- Forestry vehicles
- Logging trucks
- Police
- Ambulance
- Fire brigade
- Military vehicles
- Security services
- Mining vehicles

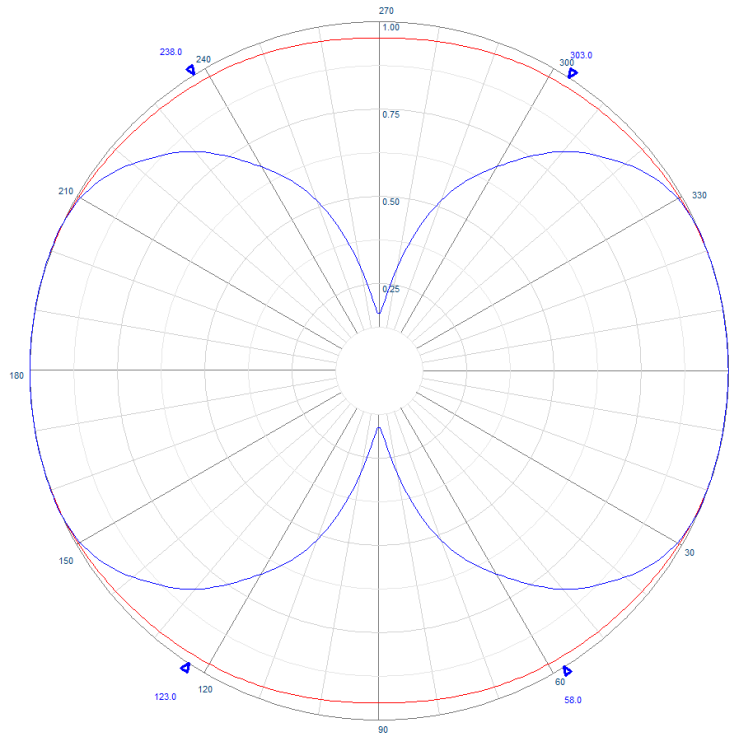


	CT800	CT900
Construction	Aluminium and delrin body, nickel plated termination and rubber mount pad	
Frequency range	Lower 4G, 3G & 2G 825-890 MHz Telstra within Australia	Lower 4G, 3G & 2G 890-960 MHz Optus & VHA within Australia
Bandwidth	Full selected frequency range	
VSWR	<1.6:1 selected frequency range	
Tuning	Factory	
Gain - nominal	2.1 dBi	
Maximum power	5 Watts	
Impedance	50 Ohms	
Polarisation	Vertical	
H Plane	Near 360° omni-directional	
E Plane	Same as a normal 1/4 λ (wave) whip	
Connector	N-type female mounted at base of antenna	
Dimensions	Length: 150mm; Width: 32mm; Height: 31mm	
Weight	170grams	
Mounting hardware	2 x M6 bolts - not supplied	
Mounting position recommended	As high on your vehicle/ structure as possible, on a metalground plane.	

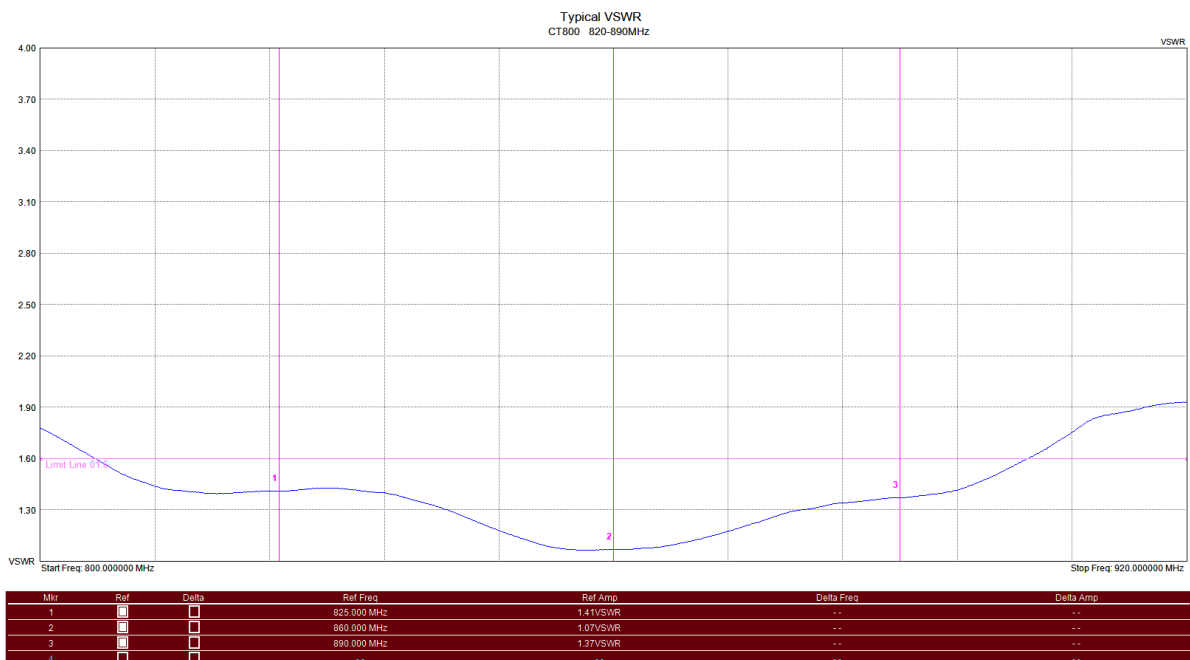


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Example radiation pattern - on 1.0m x 1.0m metal ground plane

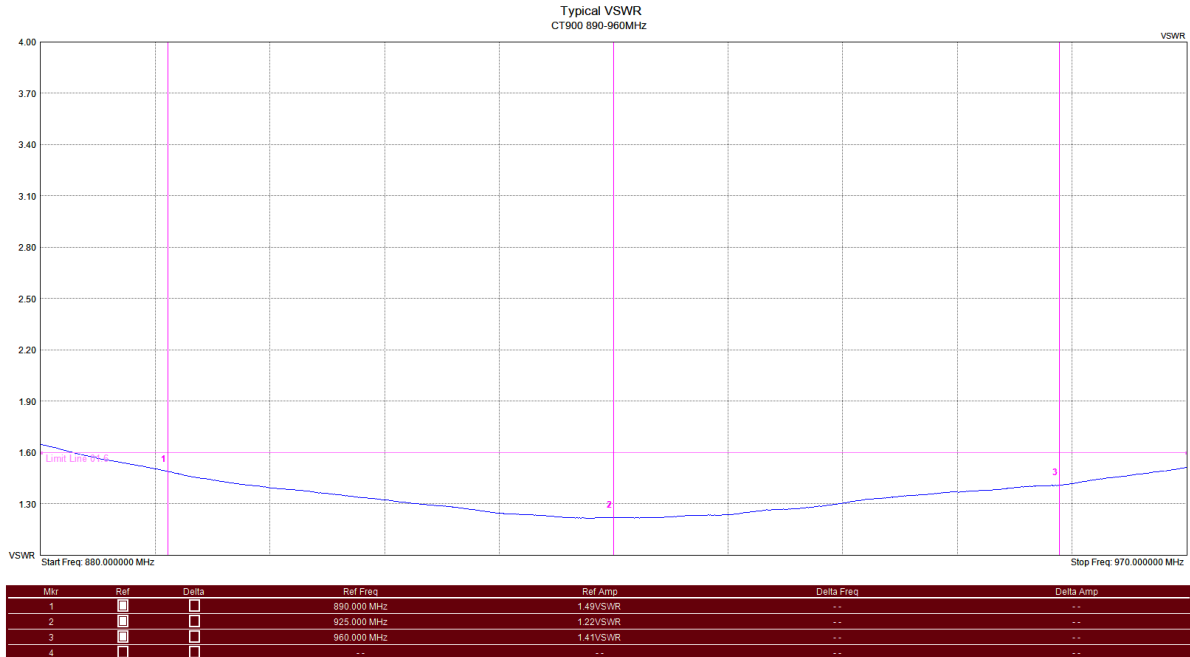


Typical VSWR - CT800



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Suitable coaxial feeder cables

 <p>RG142 silver plated copper conductor, PTFE dielectric coaxial cable P/N 7823-3 Available in 300m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RG142 solid core, PTFE insulated coaxial cable P/N 8200 Tri-metal plated</p>
 <p>MIL-SPEC RG58A/U stranded conductor, solid PE dielectric coaxial cable P/N 7803 Available in 100m ,300m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RG58 low loss, solid conductor P/N 7933-2 Tri-metal plated</p>
 <p>MIL-SPEC RG218 7 strand conductor, solid PE dielectric coaxial cable P/N 7800 Available in 100m ,300m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RG218, stranded core, solid PE dielectric coaxial cable P/N 7937 Tri-metal plated</p>
 <p>RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (™ times microwave) P/N 7890 Available in 100m ,300m, 500m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RU400 low loss, solid conductor P/N 8226 Tri-metal plated</p>

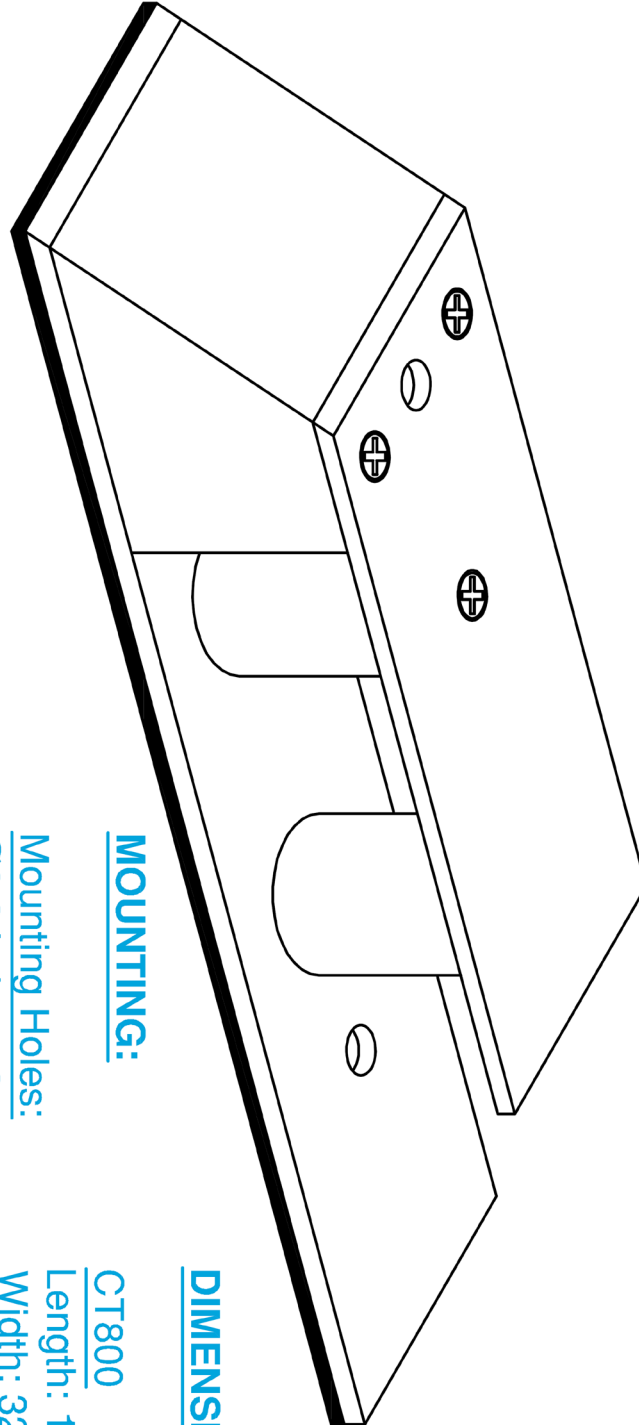


Custom cable assemblies
Manufactured in-house to your specific requirements. State

- Cable type
- Cable length
- Termination/connector
- Strain relief/grommets/etc

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MOUNTING:

Mounting Holes:

Ø6.2 holes x 2

Spacing: 89.3 mm

Neoprene Rubber
Gasket (supplied)

DIMENSIONS:

CT800

Length: 150 mm

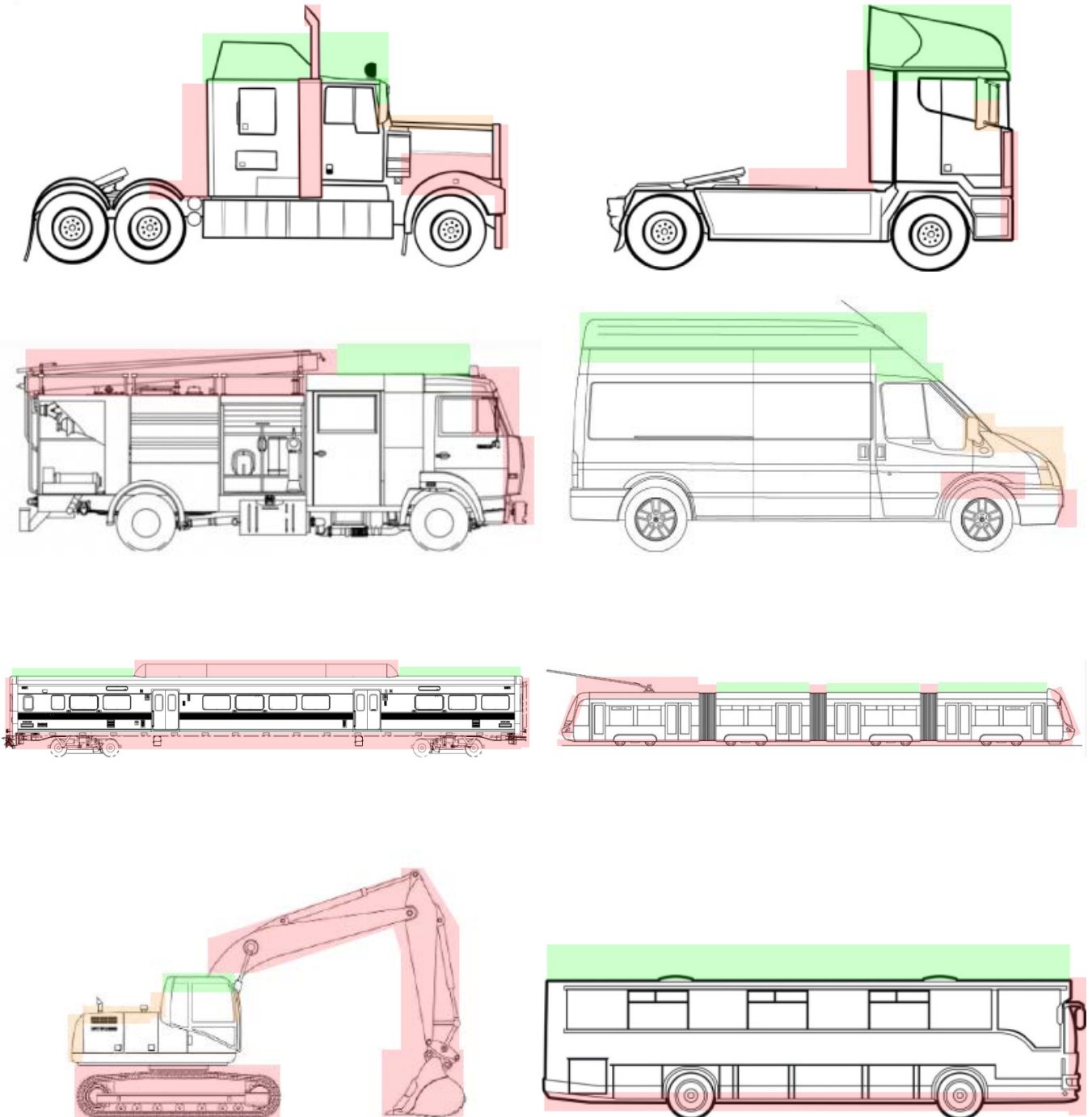
Width: 32 mm

Height: 31 mm

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Vehicle Mounting Locations



- Best/Recommended location for mounting
- Suitable mounting locations
- Not suitable mounting locations