

- Multiple windings on fibreglass core
- UV Stabilised heatshrink
- Mounts to any antenna base with 5/16"-26 brass male thread

ANTENNA DESCRIPTION

Standing 850mm tall, SM39 is a very effective multiband scanning whip to receive transmissions by ambulance, police, airband and UHF commercial services. Factory tuned to cover the full frequency range 40 to 950 MHz, mount the whip to any antenna base with 5/16"-26 brass thread.

SM39 is a low cost alternative to the B51H broadband disccone base station antenna. It is also ideal for clients requiring a broadband mobile receiving whip of a practical size to mount on a vehicle.

Construction consists of multiple windings on a fibreglass rod with black UV stabilised PVC polyolefin heatshrink covering and chrome plated brass ferrule.

Please note that ZCG provide this antenna for legal use only and not for unauthorised listening.

A detailed specification sheet is available to download from our website www.zcg.com.au

SELECTING THE MOUNTING POSITION

The whip can be mounted in various positions on a vehicle, or some other fixed location.

To achieve best performance from your antenna, these are the important principles you should consider when selecting the mounting point:

1. **The antenna mounting base will require a metal ground plane for effective performance.**
2. **Mount the antenna in as high a place as possible.**
3. **Mount the antenna as far away from other antennas and metallic objects as possible to avoid interference and distortion of the 360° omnidirectional pattern. At least 350 mm side clearance is desirable, preferably more.**
4. **Mount the antenna vertical, not at an angle.**

TUNING

The antenna has been factory tuned to cover the full frequency range 40 to 950 MHz for receive only purposes. The typical average VSWR is 1.9:1.

The windings and incorporated chokes on this antenna are designed to give strong resonances at bands of maximum interest to the scanning listener.

The whip tuning cannot be altered.

