



Model

# SGDB-W-TPM

Ground independent multiband  
mobile phone antenna top

## All carriers

## Dualband 4G

825-890 & 1710-2190MHZ

## 6.2 dBi Gain

Applications :

1. Replacement for SGDB-W or ZM09-CELL antenna top, or
  2. Mount into any bracket with minimum 13mm (1/2") diameter hole, or
  3. Mount into the 4266 threaded aluminium mast mount adaptor tube (available seperately).
- ➔ 5 metres RG58 low loss stranded cable.
- ➔ FME female connector fitted to the cable.

## INSTALLATION GUIDE

[www.zcg.com.au](http://www.zcg.com.au)

### ANTENNA DESCRIPTION

Factory tuned to cover all available carriers dualband 4G mobile phone networks combined with 6.2 dBi gain, the **SGDB-W-TPM** can be used to replace a damaged antenna top on our SGDB mobile phone bull bar mount model with beehive spring, or the ZM09-CELL model with folding deck mount base.

This SGDB-W-TPM antenna top can also be mounted outdoors at your home or office to improve mobile phone reception.

No metal ground plane is necessary for the antenna to operate effectively.

**There are two ways to mount this antenna top outdoors.**

#### Mount Method 1

- Bolt the antenna top into any bracket with a minimum 13mm (1/2") diameter hole.

#### Mount Method 2

- Bolt ordered part A-4266 the threaded aluminium mast mount adaptor - 150mm long x 25mm diameter.

- Screw the antenna top into the mast mount adaptor.

- Clamp the adaptor and antenna to a mast or hockey stick bracket.

### SELECTING THE MOUNTING POSITION

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

1. **Mount the antenna in as high a place as possible.**
2. **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.**
3. **Mount the antenna properly vertical, not at an angle.**

### INSTALLATION GUIDE

**IMPORTANT :** Leave some slack in the cable at the point where the cable exits the mount ferrule so as not to place undue tension on the cable.

Route the RG58 low loss stranded cable carefully. Ensure that the cable is not stretched excessively and there are no sharp kinks. Use cable ties, but do not pull so tight as to crush the cable. A damaged feeder cable is a cause of high VSWR and reduced performance.

Insert the FME female connector into your device. The maximum input power is 30 watts.

**Installation is now complete.**



*The cable may be cut shorter if desired. However, a new connector will then need to be fitted using proper tools.*

*If the FME female connector fitted to the cable does not suit your mobile phone, then any other connector which is suitable for RG58 cable can be fitted. Otherwise use a suitable adaptor, or a patch lead.*