



Model

SGDB-TPM-BE

Ground independent multiband
mobile phone antenna top

Bottom exit cable

Dualband 4G

825-890 &

1710-2190MHZ

6.2dBi Gain

- 10 metres RG58 low loss solid core, foam PE dielectric cable bottom exits from mount ferrule.
- FME female connector fitted to the cable.
- 1/2"-12BSW thread at base of ferrule with included securing washer and nut

INSTALLATION GUIDE

www.zcgc.com.au

ANTENNA DESCRIPTION

Factory tuned to cover all available carriers dualband 4G mobile phone and wireless data networks combined with 6.2 dBi gain, the **SGDB-TPM-BE** is the ideal fixed position or mast mounted solution.

A mounting hole, minimum 13mm or suitable mounting bracket with a minimum 13mm (1/2") hole will be required for installation of this antenna.

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

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 350mm 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. Secure the cable using PVC or stainless steel cable ties, do not tighten cable ties 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.

Maintenance

ZCG manufacture the SGDB-TPM-BE to be a low maintenance, install and forget antenna.

ZCG recommend a yearly full system check and inspection to ensure no environmental damage such as bird damage, mice, corrosion or possible wear and tear are degrading your system. A yearly check of all terminations should also be completed to ensure adequate contact of termination mating surfaces.

ZCG also recommend a yearly inspection of your mounting hardware to ensure mounting is secure, if there has been adverse weather such as high winds, ZCG also recommend a check of your system for possible damage.

The above recommended checks will ensure your systems performs to stated performance levels for the length of its service life.



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.