

## Section 5

### CELLULAR MOBILE PHONE ANTENNAS

Updated 18 February 2011

#### SGDB-TPM Multiband NEXT G and GSM Antenna Top and 4266 Mast Mount Adaptor

Frequency  
**825 – 960 MHz**  
**1710 – 2190 MHz**

Bandwidth  
**NEXT G and GSM**  
**combined**



At some remote locations or inside a building, cellular mobile phone reception can often be poor.

For applications where the cellular device being used can be connected to an external antenna, did you know that our popular **SGDB** Multiband NEXT G and GSM antenna can be mounted outdoors at your home or office to improve reception ?

**Order the SGDB-TPM antenna top only** without the beehive spring.

Select either a Black, Brown or White radome colour.

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

#### Mount Method 1

Bolt the antenna top into **any bracket** with 13 mm diameter hole. (minimum)

The stainless steel GM1 "L" bracket has 2 drilled holes for securing to any vertical panel.

#### **SGDB-TPM**

Antenna Top Only  
(no spring)

Black, White or Brown  
radome colour

6.2 dBi gain  
80 cm tall

#### Mount Method 2

**Order part 4266**, the threaded aluminium mast mount adaptor.

150 mm long x 25 mm in diameter.

Screw the antenna top into the threaded mast mount adaptor.

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



#### **SGDB-TPM** key features:

- ☞ Effective performance with 6.2 dBi gain.
- ☞ Multiband coverage of both **Next G and GSM** networks combined.
- ☞ Modest size at 80 cm tall.
- ☞ Robust construction ensuring a long service life.



Route the 5 metre RG58 low loss cable indoors and secure in position.

An FME Female connector is fitted to the cable.