

Section 5

CELLULAR MOBILE PHONE ANTENNAS

Updated 30 November 2011

SGDB Super Gain Multiband NEXT G and GSM Vehicle Bull Bar Mount

Frequency	Bandwidth
825 – 960 MHz	NEXT G and GSM
1710 - 2190 MHz	combined



The SGDB cellular mobile phone antenna is a popular choice for good reason :

1. Multiband coverage of **both NEXT G and GSM** networks combined.
2. Effective performance with **6.2 dBi** gain.
3. Ground independent; no metal ground plane is necessary.
4. Modest size at 90 cm tall.
5. Robust construction ensuring a long service life.

The fibreglass radome is available in 3 colours; Black, White or Brown.

Secure the antenna firmly into any bracket with a 12.7 mm (½”) minimum diameter hole using the bolt and washer provided. The typical mounting point for this model is to a vehicle bull bar.

The high quality electro-polished stainless steel barrel spring dampens vibrations while travelling. 5 metres of RG58 low loss cable side exits from the aluminium mount ferrule. An FME female connector is fitted to the cable.

This SGDB antenna is identical in appearance to :

- ⇒ **SG477** 477 MHz UHF CB Radio.
- ⇒ **SG1100** AM/FM Radio Receive.



SPECIFICATIONS	SGDB BLACK	SGDB WHITE	SGDB BROWN
Radome Colour	Black	White	Brown
Construction	Fibreglass radome, copper radiating elements, aluminium ferrule, electro-polished stainless steel barrel spring		
Cellular Mobile Phone Network Coverage	NEXT G and GSM combined 825 to 960 MHz and 1710 to 2190 MHz		
VSWR	Less than 1.6:1 across the full band		
Tuning	Factory		
Gain	6.2 dBi at 825 to 960 MHz 3 dBi at 1710 to 2190 MHz		
Maximum Input Power	30 Watts		
Impedance	50 Ohms		
Polarisation	Vertical		
H-Plane	360° Omnidirectional		
E-Plane	32°		
Cable	5 metres RG58 low loss stranded cable side exits from the aluminium mount ferrule		
Connector	FME female fitted to the cable		
Height	90 cm		
Weight	900 grams		
Mounting	Secure into any bracket with minimum 12.7 mm (½”) diameter hole using the bolt and spring washer supplied		
Recommended Mounting Position	Vehicle bull bar. If required, the BBM-SS stainless steel mounting bracket is available		

The SGDB-TPM antenna top only without any barrel spring is available to order separately. This antenna top can be used to mount in locations other than on a vehicle, or to replace a damaged radome.



The SGDB antenna can also be mounted to the vehicle guard or boot using the appropriate bracket.

However, clients should first consider the lighter 6.2 dBi SGLDB model specifically designed for this purpose.