

Section 5

CELLULAR MOBILE PHONE ANTENNAS

Updated 30 November 2011

SGLDB Light Design Multiband NEXT G and GSM Vehicle Mount

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



Standing 75 cm tall with 6.2 dBi gain, SGLDB is the ideal light weight multiband antenna solution to cover both the NEXT G and GSM cellular mobile phone networks combined.

Specifically designed by ZCG Scalar for mounting to a vehicle guard, the boot of a sedan or to a truck mirror, no metal ground plane is necessary.

The antenna mounts simply into any bracket with a 16 mm minimum diameter hole and is secured firmly by the nut and washer at the base.

The electro-polished stainless steel barrel spring dampens vibrations while travelling.

5 metres of RG58 low loss cable bottom exits through the spring and mount ferrule. An FME Female connector is fitted to the cable.

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

This SGLDB mobile phone antenna is identical in appearance to :

- SGL477, UHF CB Radio 477 MHz.
- SGL1100, AM/FM Radio Receive.



SPECIFICATIONS	SGLDB BLACK	SGLDB WHITE	SGLDB BROWN
Radome Colour	Black	White	Brown
Construction	Fibreglass radome, copper radiating elements, aluminium ferrule, electro-polished stainless steel 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 Power	30 Watts		
Impedance	50 Ohms		
Polarisation	Vertical		
Cable	5 metres RG58 low loss cable bottom exits through spring and mount ferrule		
Connector	FME female fitted to the cable		
Height	75 cm		
Weight	650 grams		
Mounting	Secure into any 16 mm minimum diameter hole using the nut and washer in the base		
Recommended Mounting Positions	Vehicle guard, vehicle boot or truck mirror. A mounting bracket is available separately.		

An FME female connector is fitted to the cable.



This SGLDB antenna can also be mounted to a vehicle bull bar. However, clients should first consider the TC1600 and SGDB models specifically designed for a bull bar.