

## SGLDB

### Light-duty dualband parallel spring base collinear

### All networks dualband 4G 825-960 MHz & 1710-2190 MHz



The SGLDB series of super gain, light-duty mobile phone network antenna offers fine performance combined with our robust tried and tested ZCG quality construction.

The SGLDB series are identical in appearance to the SGL477 UHF CB 477MHz and SGL1100 AM/FM radio receive.

Mounting hardware, adaptors, connectors and other installation accessories are all available separately.

SKU	SGLDB-B - Black radome	SGLDB-W - White radome
Construction	Parallel fibreglass radome, aluminium ferrule, stainless steel parallel spring, external coaxial cable and termination	
Frequency range	825-960 MHz and 1710-2190 MHz - dualband 4G/3G	
Bandwidth	Full frequency ranges stated	
VSWR	<1.6:1	
Tuning	Factory	
Gain	6.2 dBi 825-960 MHz and 3 dBi 1710-2190 MHz	
Maximum power	30 Watts	
Impedance	50 Ohms	
Polarisation	Vertical	
H Plane	360° omnidirectional	
Cable	5 metres RG58 low loss, solid core, bottom exit from spring base	
Connector	FME female fitted to cable - for ease of installation	
Height	750mm	
Weight	650grams	
Mounting hardware order separate	Bullbar: BBM-SS, BBML-SS, BBMXL-SS or BBKB-B Truck Mirror: MRM-SS Bracket Mounting: GM1, GM2, GM6, A-6211 or ATLM	
Mounting position recommended	As high on your vehicle/structure as possible using a minimum 16mm hole or appropriate bracket with a 16mm hole	
Installation tools required	22mm spanner for nut securing	



Light to medium-duty parallel spring to maintain vertical polarisation

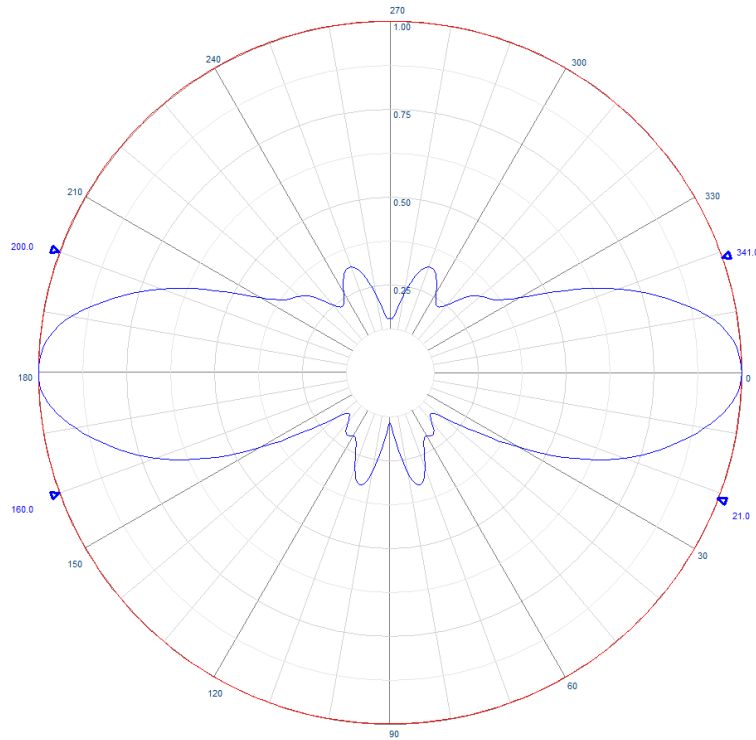


FME female fitted to cable as standard or specify requirements

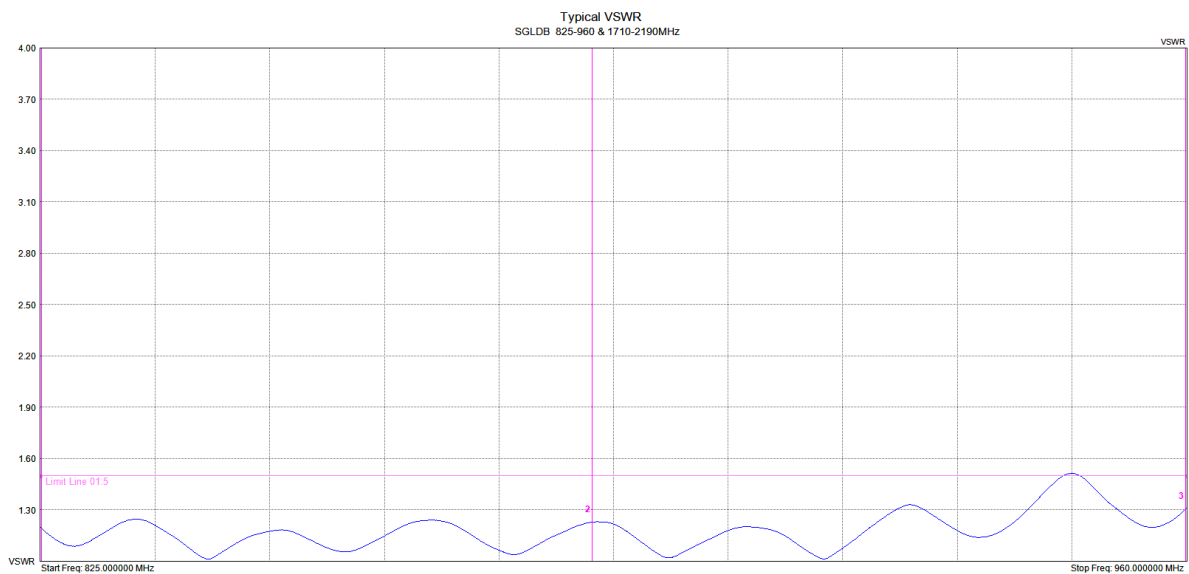
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Example radiation pattern



Mix	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	825.123 MHz	1.19VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	890.000 MHz	1.23VSWR	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	959.939 MHz	1.31VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR at 825-960MHz

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BBM-SS - wrap around bull bar mount, up to 50mm diameter bull bar tube

16mm mount hole

Requires 10mm spanner



BBML-SS - wrap around extra large bull bar mount, up to 65mm diameter bull bar tube

16mm mount hole

Requires 10mm spanner



BBMXL-SS - wrap around extra large bull bar mount, up to 76mm diameter bull bar tube

16mm mount hole

Requires 10mm spanner



BBKB-B - 'knock-down' antenna mount, powder coated black

17mm mount hole with cable slot



ATLM series - Adjustable bonnet, boot and door jam mount. 360 rotational and 140 degree adjustment

16mm mount hole

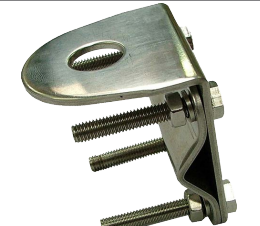
Black or Chrome

Includes 5mm and 2mm allen keys



GM1 - 304 stainless steel 'L' mount bracket

16mm mount hole



MRM-SS - 304 stainless steel clamp style mirror mount

16mm mount hole


Requires 10mm spanner



MGB - Black powdercoated magnetic base mount with scratch reduction pad. 20kg pull force

Can be fitted during manufacture

16mm mount hole and 5.5mm cable hole



A-6211 - 304 stainless steel 'L' fascia mount bracket

16mm hole, 200mm offset

Requires mounting screws/ bolts - not supplied

#### Typical alternate Connectors



SMA male termination

Suits mobile device or CEL-FI Go device.

Also available in right-angle configuration, alternate gender or reverse polarity



N-type male termination

Suits telemetry devices

Also available in right-angle configuration or alternate gender

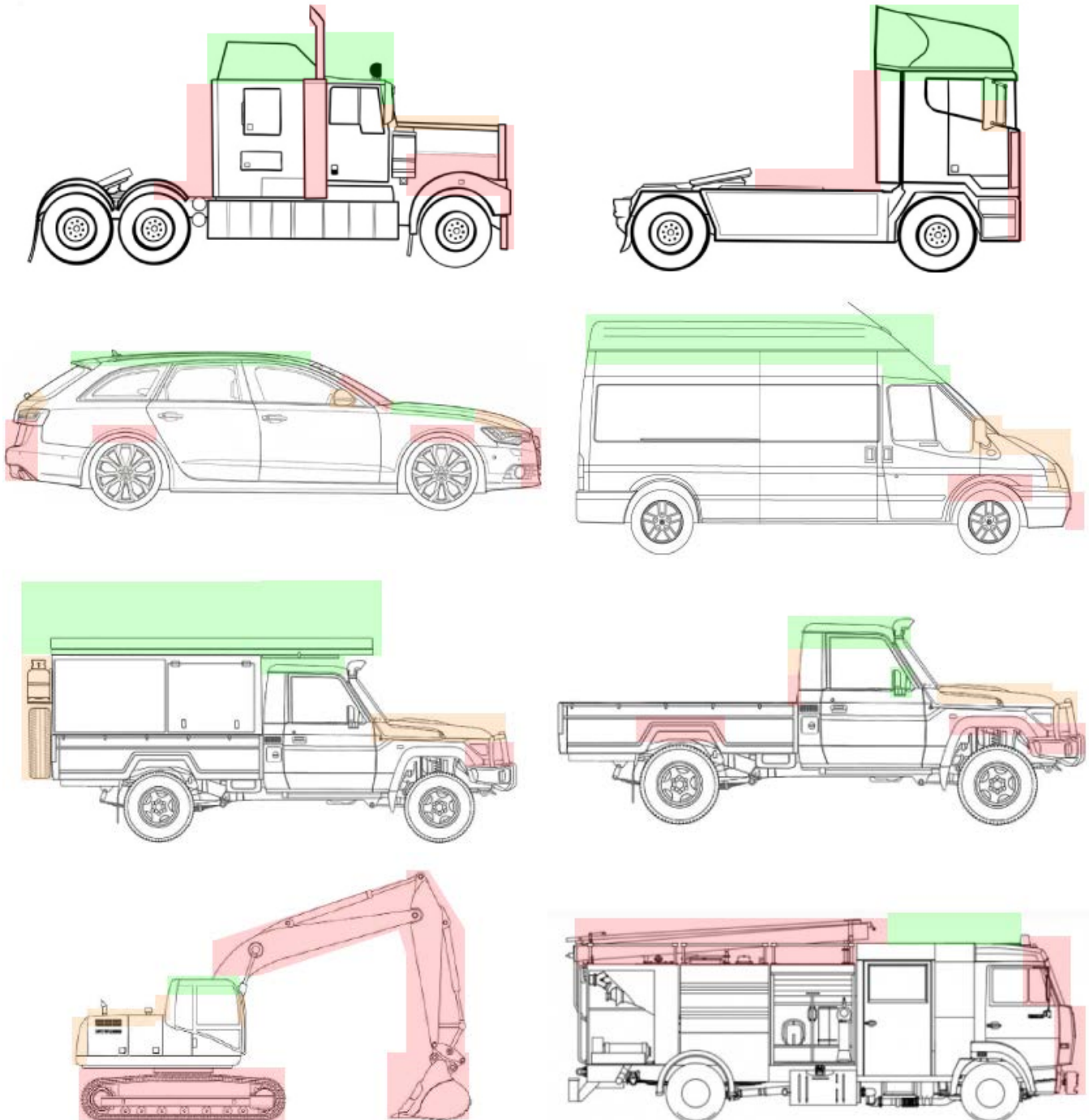
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Vehicle Mounting locations



- Best/Recommended location for mounting
- Suitable mounting locations
- Not suitable mounting locations