

SG477 Series

Medium to medium-duty 'barrel' spring base collinear UHF CB radio 477 MHz

The SG477 series of UHF CB radio antennas are designed for vehicle or fixed position mounting. The SG477 series is suitable for all UHF CB radios on the market with UHF female input connection. The SG477 is suitable for extreme, heavy-duty applications, for light to medium duty or small vehicles consider the SGL477 series.

The SG477 series is identical in appearance with the SGDB mobile phone models and SG1100 AM/FM receive models.

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

Order codes	SG477-B - Black radome and polished stainless steel spring SG477-W - White radome and polished stainless steel spring
Construction	Fibreglass radome, aluminium ferrule, stainless steel 'barrel' spring base and coaxial cable assembly
Frequency range	477 MHz - UHF CB Radio
Bandwidth	476.4125 - 477.4125 MHz - covering all 40/80 channels
VSWR	<1.5:1
Tuning	Factory
Gain	2.1 dBi - suits hilly terrain or CBD locations
Maximum power	20 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omnidirectional
Cable	5 metres RG58A/U stranded, side exit from ferrule
Connector	UHF male PL259 solder pin, twist style connector supplied, not fitted
Height	900mm
Weight	900grams
Mounting hardware order separate	Bullbar: BBM-SS, BBML-SS, BBMXL-SS or BBKB-B Truck Mirror: MRM-SS Bracket Mounting: GM1, GM2, GM6 Alternate spring: 1270 heavy-duty parallel spring
Mounting position recommended	As high on your vehicle/structure as possible using a minimum 13mm hole or appropriate bracket with a 13mm hole
Installation tools required	19mm spanner for spring base mount bolt securing Thread locker can be applied to mount bolt for long term securing



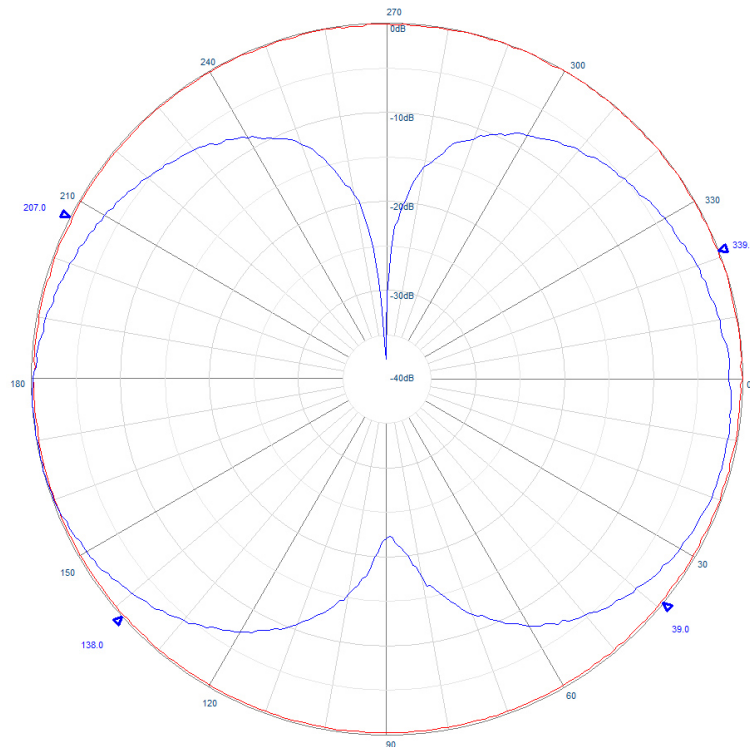
Heavy-duty 'barrel' spring base



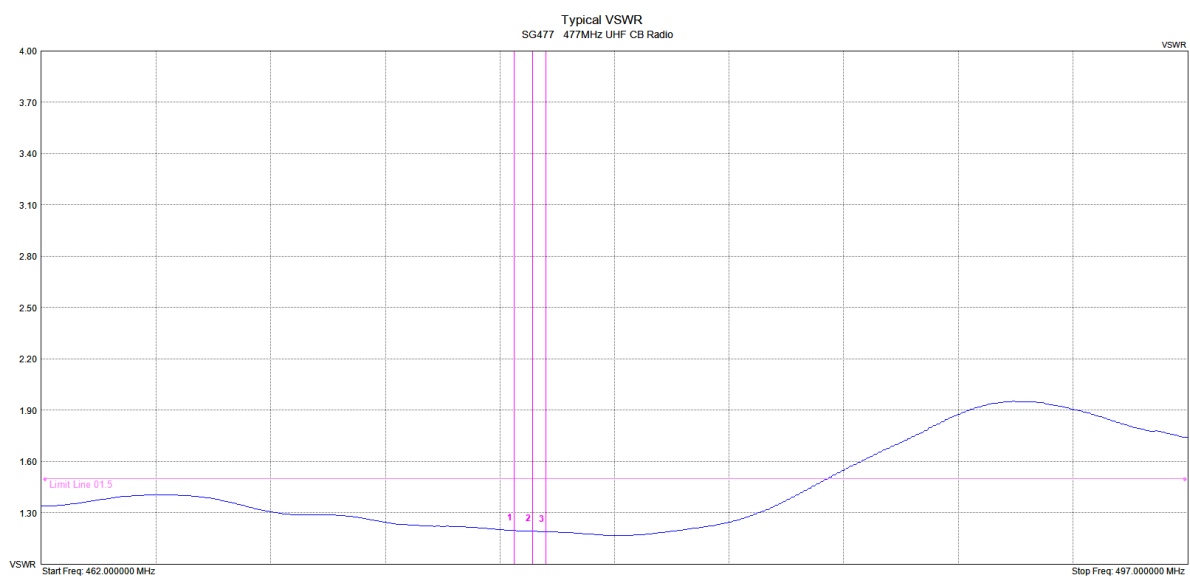
UHF male PL259 connector supplied not fitted

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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"/>	476.423 MHz	1.20VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	477.000 MHz	1.19VSWR	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	477.413 MHz	1.19VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR

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Recommended installation accessories

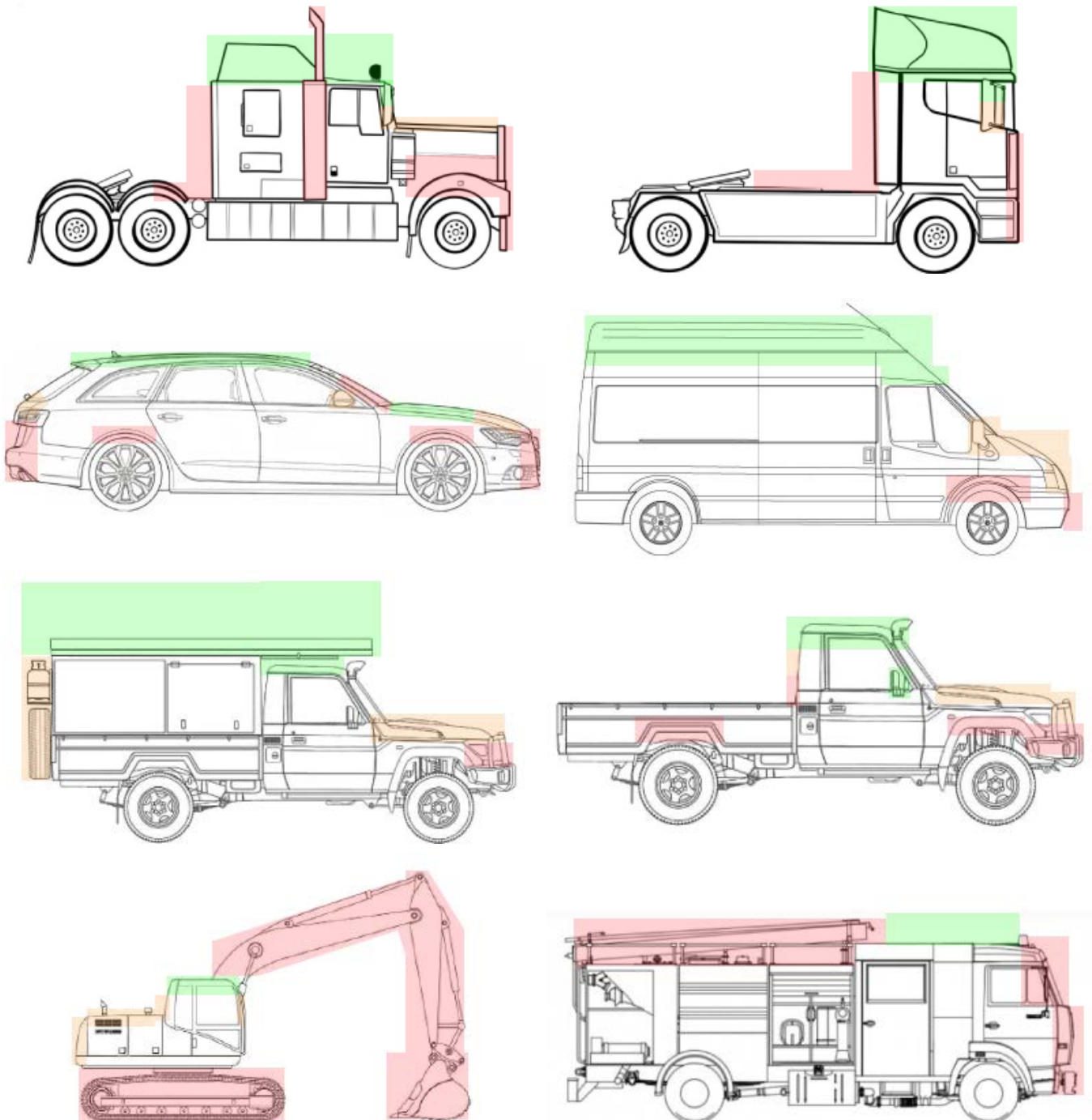
 <p>BBM-SS - wrap around bull bar mount, up to 50mm diameter bull bar tube</p> <p>16mm mount hole</p> <p>Requires 10mm spanner</p>	 <p>BBML-SS - wrap around extra large bull bar mount, up to 65mm diameter bull bar tube</p> <p>16mm mount hole</p> <p>Requires 10mm spanner</p>
 <p>BBMXL-SS - wrap around extra large bull bar mount, up to 76mm diameter bull bar tube</p> <p>16mm mount hole</p> <p>Requires 10mm spanner</p>	 <p>BBKB-B - Knock-down antenna mount, powder coated black</p> <p>16mm mount hole with 5.5mm cable hole</p>
 <p>ATLM series - Adjustable bonnet, boot and door jam mount. 360 rotational and 140 degree adjustment</p> <p>16mm mount hole</p> <p>Black or Chrome</p> <p>Includes 5mm and 2mm allen keys</p>	 <p>GM1 - 304 stainless steel 'L' mount bracket</p> <p>16mm mount hole</p>
 <p>GM2 - 304 stainless steel 'Z' mount bracket</p> <p>16mm mount hole</p>	 <p><u>Alternate Spring base</u></p> <p>A-1270 - Parallel heavy-duty mount spring, includes base mount bolt</p> <p>Requires 19mm spanner</p> <p>Can be fitted during manufacture</p>
 <p><u>Alternate Spring base</u></p> <p>A-1269-12 - 'Barrel' stainless steel spring base with threaded stud and split nut</p> <p>Requires 19mm spanner</p> <p>Can be fitted during manufacture</p>	 <p><u>Alternate Spring base</u></p> <p>A-1269-14 - 'Barrel' stainless steel spring base with 50mm base extension. Suitable for behind bull bar mounting or wing mirror bracket mounting</p> <p>Requires 19mm spanner</p> <p>Can be fitted during manufacture</p>

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Vehicle Mounting locations



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