



SG477-TPM Series

UHF CB Radio threaded base collinear

UHF CB Radio 477 MHz



The SG477-TPM series of fixed position UHF CB radio collinears are ideal fixed position UHF communication applications.

A SG477-TPM can be used as a replacement top for the SG477 series of antennas and is identical in appearance to all other SG series of AM/FM or Mobile phone antennas.

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

Colours available	Black or White* - specify when ordering
Construction	Fibreglass radome, clear anodised aluminium cap and mount ferrule with side exit external coaxial cable and nickel plated termination
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
Maximum power	20 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omni-directional
Cable	5 metres MIL-SPEC RG58 low loss - side exit from mount ferrule
Connector - supplied	UHF male PL259 solder connector, not fitted
Mount thread	1/2"-12 BSW at base of mount ferrule - nut included
Height	800mm
Weight	800grams
Mounting hardware order separate	GM1, GM2, GM6 or A-6211 brackets or 4266 mounting adaptor with appropriate mounting hardware
Mounting position recommended	As high on your vehicle/structure as possible using a minimum 13mm hole or appropriate bracket with a 13mm hole
Assembly tools required	19mm or 3/4" spanner - for securing nut



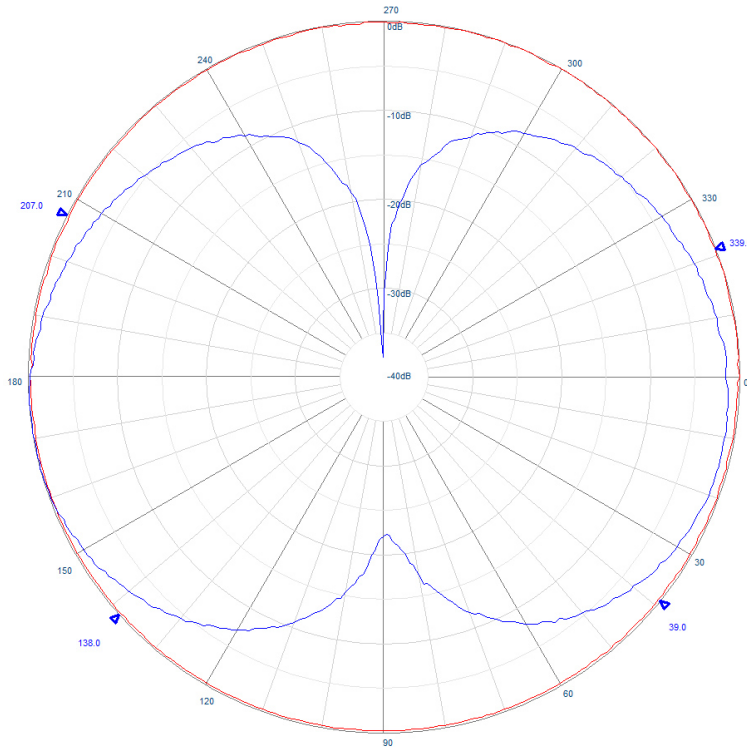
7900 - UHF male PL259 supplied, not fitted



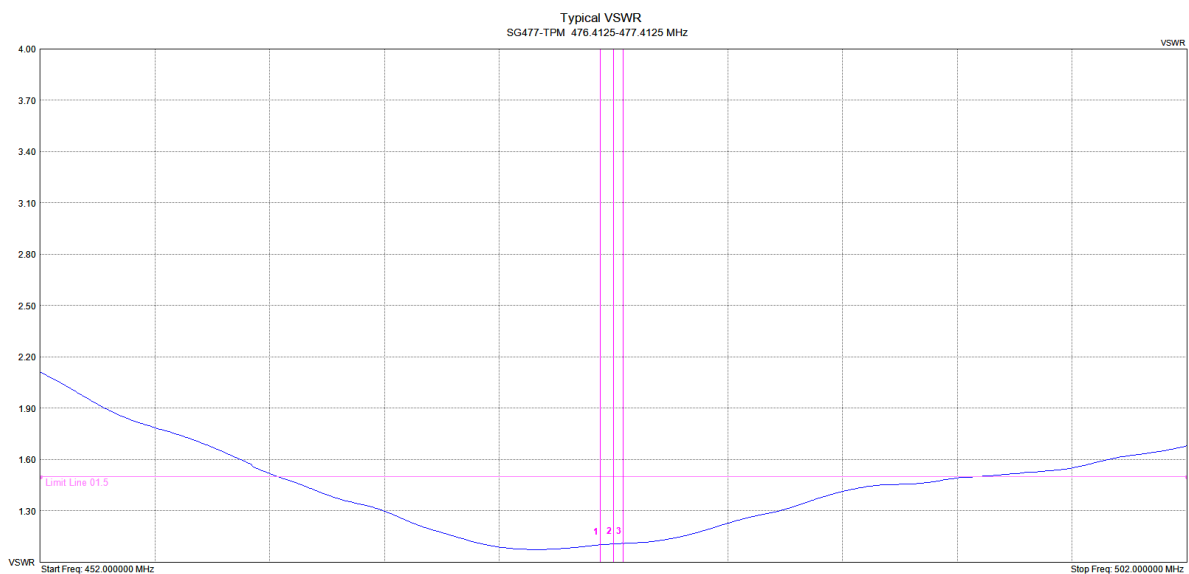
SG477-TPM Series

UHF CB Radio threaded base collinear

UHF CB Radio 477 MHz



Example radiation pattern



Mtr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	476.413 MHz	1.10VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	477.000 MHz	1.11VSWR	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	477.413 MHz	1.11VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR



SG477-TPM Series


UHF CB Radio threaded base collinear

UHF CB Radio 477 MHz





SKU: A-4266
Aluminium mast mount adaptor

Requires 2 x EB1-SS, 1 x UB3-SS or 2 x RB8 or 1 x UB2-SS
Can be used with CFB series or A-2654-2



SKU: GM1
304 stainless steel 'L' fascia mount bracket
16mm hole
Requires mounting screws/bolts - not supplied



SKU: A-6211
304 stainless steel 'L' fascia mount bracket
16mm hole, 200mm offset
Requires mounting screws/bolts - not supplied




SKU: MGB
Powdercoated black internal magnet mount base
16mm hole
105mm diameter
includes scratch reduction pad on base



SKU: CFB** series**
Galvanised steel 'J' hockey stick brackets, 1.1 - 2.7 metres.

Requires A-4266 series + 2 x EB1-SS or 1 x UB2-SS



SKU: A-2654-2
Aluminium pole extension 1.1 metres includes pole mounting brackets.

Requires A-4266 + 2 x EB1-SS or 1 x UB2-SS



Alternate Spring base
SKU: A-1269
'Barrel' stainless steel spring base with 1/2" bolt and spring washer

Requires 19mm spanner



Alternate Spring base
SKU: A-1270
Parallel heavy-duty mount spring, includes base mount bolt

Requires 19mm spanner



Alternate Spring base
SKU: A-1269-12
'Barrel' stainless steel spring base with threaded stud and split nut

Requires 19mm spanner



Alternate Spring base
SKU: A-1269-14
'Barrel' stainless steel spring base with 50mm base extension. Suitable for behind bull bar mounting or wing mirror bracket mounting

Requires 19mm spanner