



GIDM-800

Ground independent elevated feed whip

Lower 4G, 3G & 2G 825-890MHz



The GIDM-800 is a ground independent, antenna specifically designed and manufactured for full coverage of the lower 4G/3G/2G network (Telstra within Australia) suitable for wireless data transfer, mobile phone improvement or telemetry applications. The GIDM-800 design of a 1/4λ whip, over a 1/4λ elevated feed mimicking a ground plane, results in this antenna being ground independent. Ideally suited for vehicle and industrial applications.

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



Construction	Black heatshrunk whip, stainless steel and black nylon elevated feed base and cable assembly
Frequency range	Lower 4G, 3G & 2G 825-890MHz Telstra within Australia
Bandwidth	Full frequency range
VSWR	<1.6:1 - average <1.9:1 - maximum
Tuning	Factory
Gain	2.1 dBi
Maximum power	5 Watts
Impedance	50 Ohms
Polarisation	Vertical
Cable	4.5 metres MIL-SPEC RG58 low loss, solid core - bottom exit from base
Connector	FME female fitted to cable as standard or specify
Height	220mm
Weight	280grams
Mounting hardware order separate	Hole: minimum 16mm diameter Bracket: GM1, GM2, GM6, BBM series, BBKB-B, MRM-SS or A-6211
Mounting position recommended	As high on your structure as possible using an appropriate 16mm mount hole or bracket
Installation tools required	14mm spanner for split nut securing



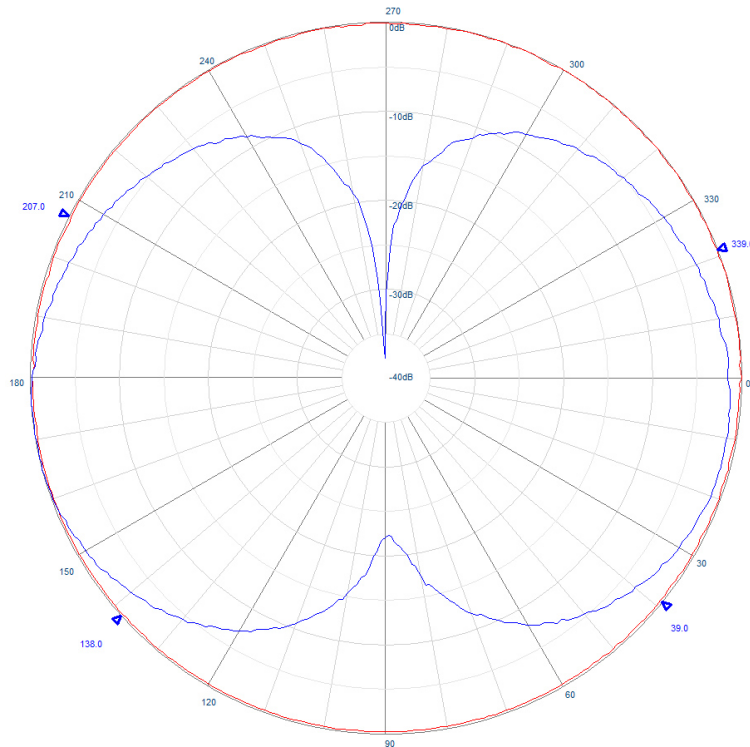
FME female fitted to cable as standard or specify requirements



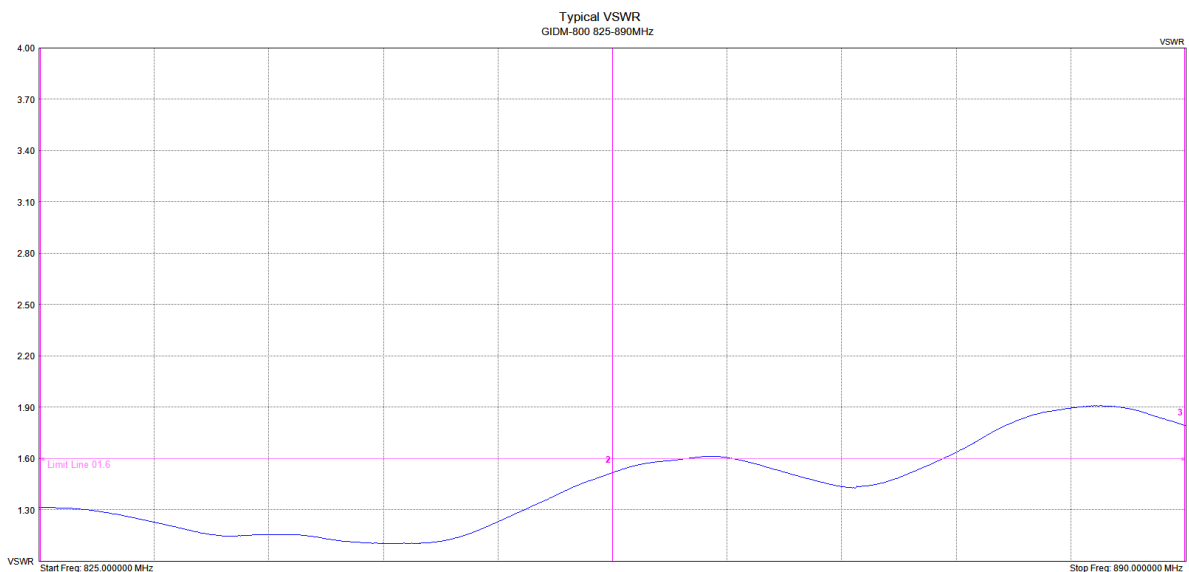
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Example radiation pattern



Mtr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	825.030 MHz	1.31VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	857.515 MHz	1.52VSWR	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	889.941 MHz	1.79VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR at 820-960MHz

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Recommended installation accessories

	<p>BBM-SS series - wrap around bull bar mount, up to 50-76mm diameter bull bar tube, depending on model</p> <p>16mm mount hole Requires 10mm spanner</p>		<p>MRM-SS - clamp style mounting clamps for mirrors or tube up to 20mm diameter</p> <p>16mm mount hole Requires 10mm spanner</p>
	<p>BBKB-B - Rhino knock down antenna mount, powder coated black</p> <p>17mm mount hole with cable slot</p>		<p>ATLM series - Adjustable bonnet, boot and door jam mount. 360 rotational and 140 degree adjustment</p> <p>16mm mount hole Black or Chrome Includes 5mm and 2mm allen keys</p>
	<p>Alternate magnetic mounting</p> <p>MGB - Black powdercoated magnetic mount base, 105mm diameter, 20kg pull force</p> <p>16mm mount hole</p>		<p>Alternate Spring base</p> <p>A-1270 - Parallel heavy-duty mount spring, includes base mount bolt</p> <p>REQUIRES FITMENT DURING MANUFACTURING Requires 19mm spanner</p>
	<p>Alternate Spring base</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 FITMENT DURING MANUFACTURING Requires 19mm spanner</p>		<p>Alternate Spring base</p> <p>A-1269-12 - 'Barrel' stainless steel spring base with threaded stud and split nut</p> <p>REQUIRES FITMENT DURING MANUFACTURING Requires 19mm spanner</p>

Typical alternate Connectors

	<p>SMA male termination Suits CEL-Fi go device or telemetry device.</p> <p>Also available in right-angle configuration or alternate gender</p>		<p>N-type male termination Suits telemetry devices</p> <p>Also available in right-angle configuration or alternate gender</p>
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CEL-Fi Go Compatibility additions

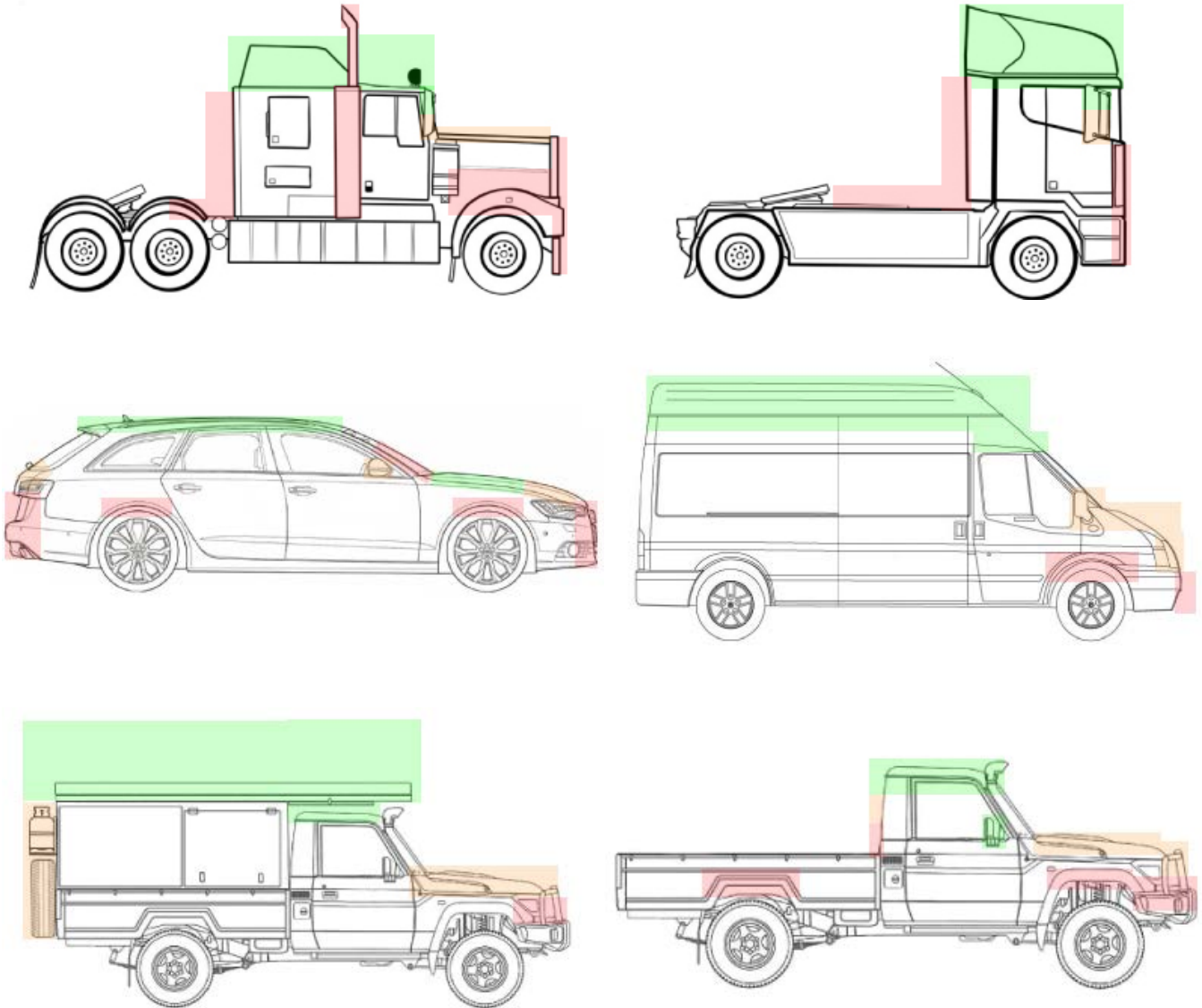
	<p>P/N 8275 FME male to SMA male adaptor Converts antenna termination to CEL-Fi Go input termination</p>
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Vehicle Mounting locations



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