



## EL-SG900

### Omnidirectional 6 dBd wireless data collinear

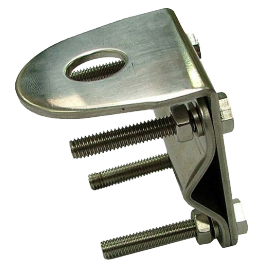
### UHF 868-930 MHz



The EL-SG900 omnidirectional 900MHz collinear will significantly improve your wireless data transmit and receive capabilities for radio location, industrial, scientific or medical applications or is ideal for M2M, IoT & ISM900 applications utilising the 868-930 MHz frequency range.

Mounting hardware, adaptors, water-proofing and other installation accessories are all available separately.

Construction	Black fibreglass parallel radome, machined 6262 grade aluminium ferrule, PVC cap, external RG58 low loss cable, tri-metal plated N-type female termination and 304 stainless steel right-angle mount bracket
Frequency range	868-930 MHz - UHF, IoT & ISM900 compatible
Tuning	Factory
VSWR	<1.6:1
Gain	6 dBd
Impedance - nominal	50 Ohms
Polarisation	Vertical
H Plane	360° omnidirectional $\pm 0.5$ dBd
E Plane	27° $\pm 0.5$ dBd
Cable	100mm RG58 low loss, solid core, foam PE dielectric cable, side exit from ferrule
Connector	N-type female fitted to cable
Height	800mm
Weight	790grams
Projected area	0.013m <sup>2</sup>
Wind load at 160kph	1.619kg, 0.016kN
Mounting hardware supplied	Right-angle 304 stainless steel mount bracket with 16mm hole and V/H capability mounting
Installation tools required	13mm spanner for antenna to bracket nut securing 2 x 10mm spanner/s for bracket securing



304 stainless steel right-angle mount bracket included

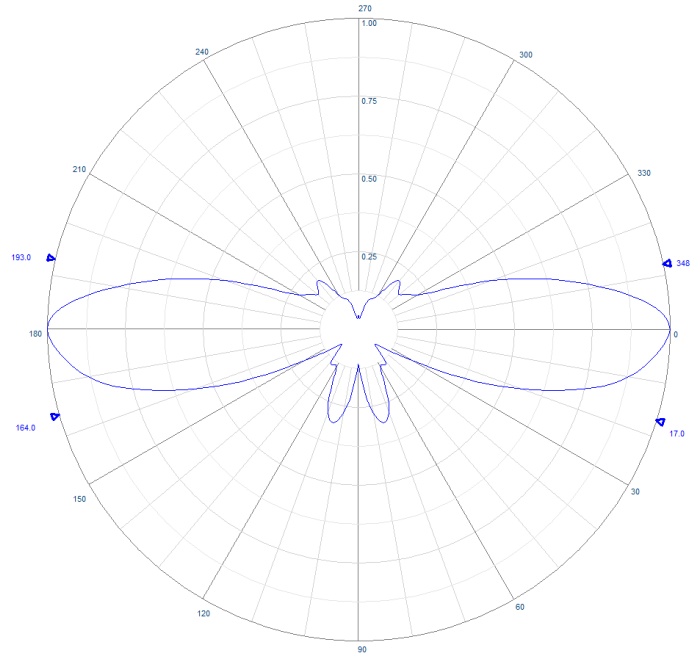


N-type female fitted to 100mm external RG58 low loss cable

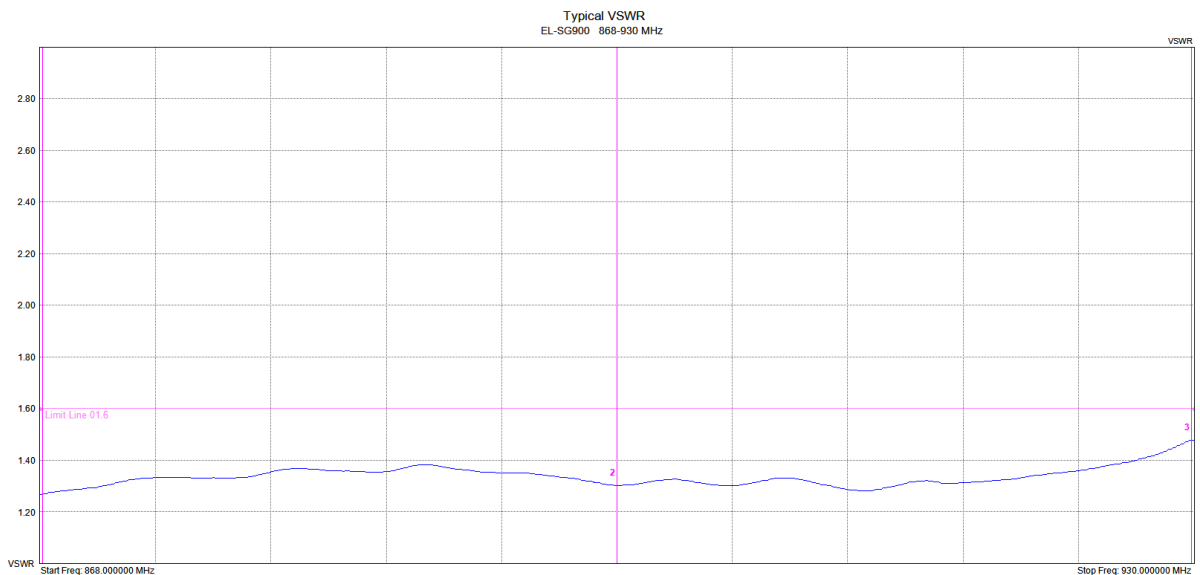


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868-930 MHz



Example radiation pattern at 900 MHz



Mkr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	868.113 MHz	1.27VSWR	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	899.000 MHz	1.30VSWR	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	929.900 MHz	1.48VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR

