



## LPY2250 and LPY2250-25

### Broadband log periodic antenna

#### UHF, ISM, 4G LTE & 4G/3G or UHF, ISM, 4G LTE, 4G & 3G



The LPY2250 and LPY2250-25 log periodic antennas provide exceptionally broad bandwidth coverage across the UHF frequency range 850-2250 MHz or 650-2250 MHz.

Coaxial feeder cable, connectors and other installation accessories are all available separately.

	LPY2250*	LPY2250-25
Construction	Fully-welded 304 grade stainless steel boom, elements and mount bracket	
Frequency range	850-2250 MHz - UHF, ISM & 4G/3G	650-2250 MHz - UHF, ISM, 4G LTE & 4G/3G
VSWR	<2:1	
Tuning	Factory	
Gain	8 dBi	10.2 dBi
Maximum power	250 Watts	
Impedance - nominal	50 Ohms	
Polarisation	Mount horizontal or vertical as required	
H Plane	98°	63°
E Plane	59°	48°
Front-to-back ratio	24 dB	
DC grounding	Yes	
Cable tail	200mm RG58 low loss - rear exit from clamp	
Connector	N-type female fitted as standard - or specify requirements	
Boom length	480mm	1.15m
Longest element	185mm	200mm
Weight	410grams	650grams
Projected area	0.009m <sup>2</sup>	0.012m <sup>2</sup>
Wind load at 160kph	0.995kg, 0.01kN	1.01kg, 0.02kN
Mounting hardware supplied	Welded angle mounting plate and 50mm diameter stainless steel U-bolt	
Installation tools required	13mm or 1/2" spanner for mounting U-bolt	



LPY2250 model



LPY2250-25 model

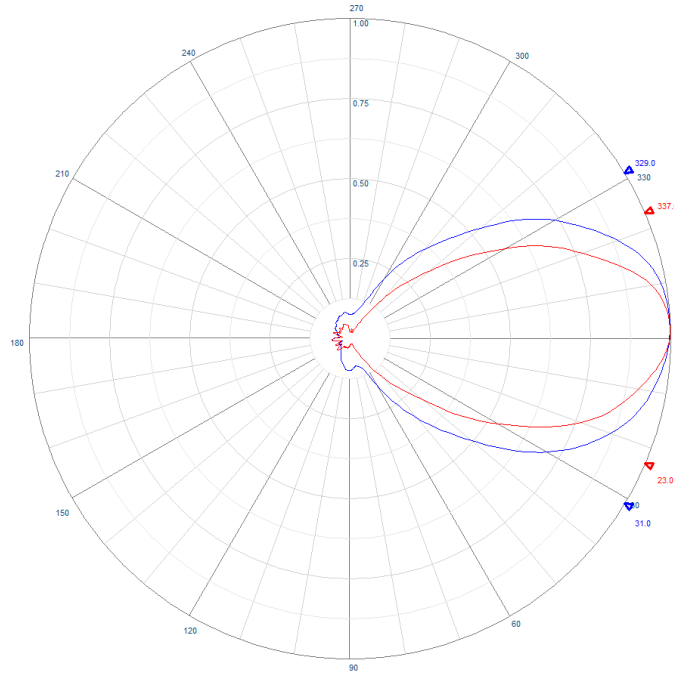


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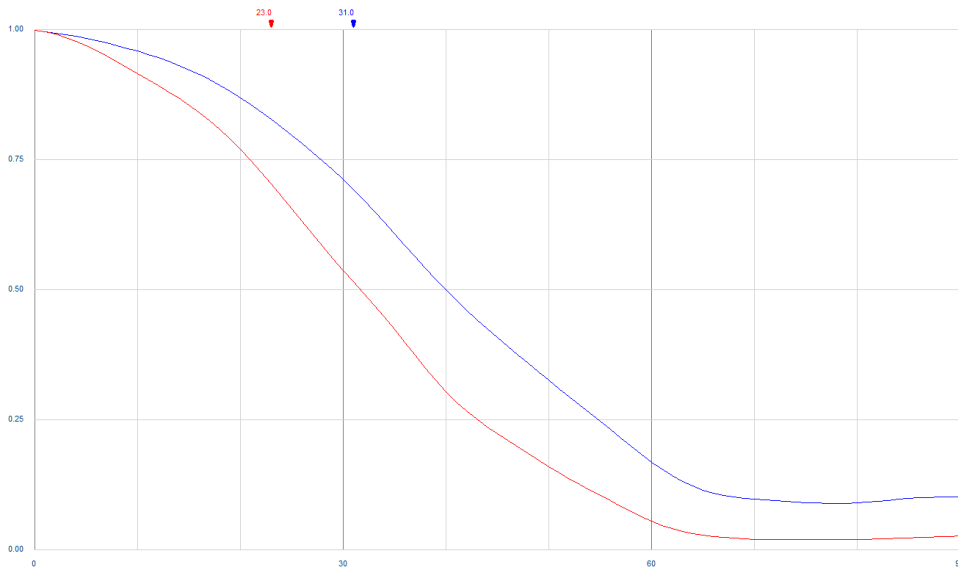
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UHF, ISM, 4G LTE & 4G/3G or UHF, ISM, 4G LTE, 4G & 3G

 In-stock  
Ready to Ship  
\* Signifies build to order item



LPY2250-25 sample radiation pattern - polar in mV



LPY2250-25 sample radiation pattern - cartesian in mV

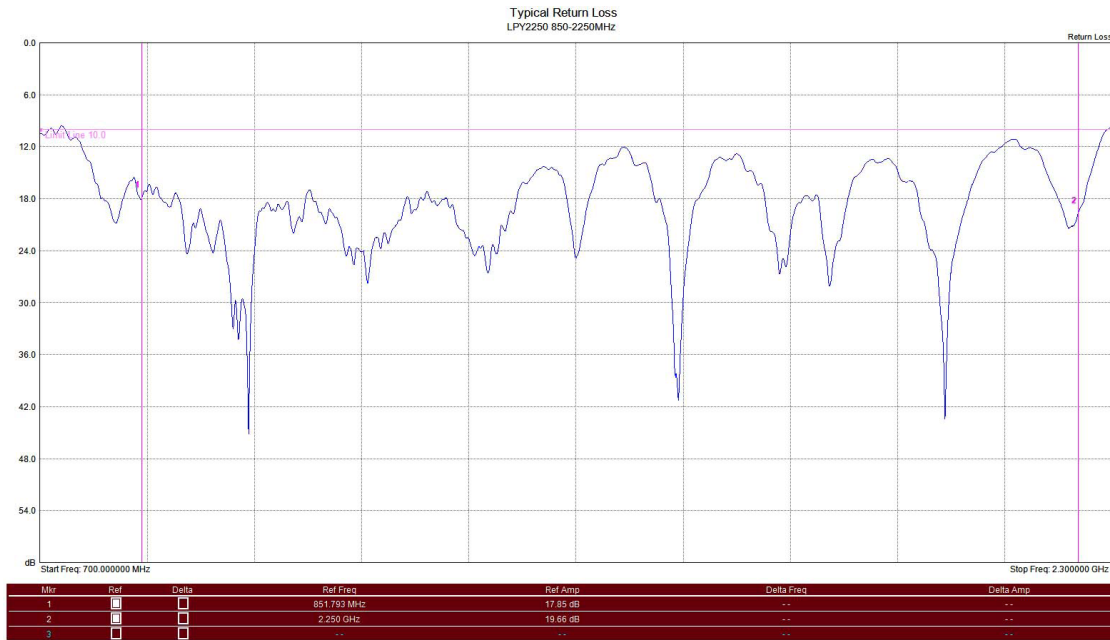


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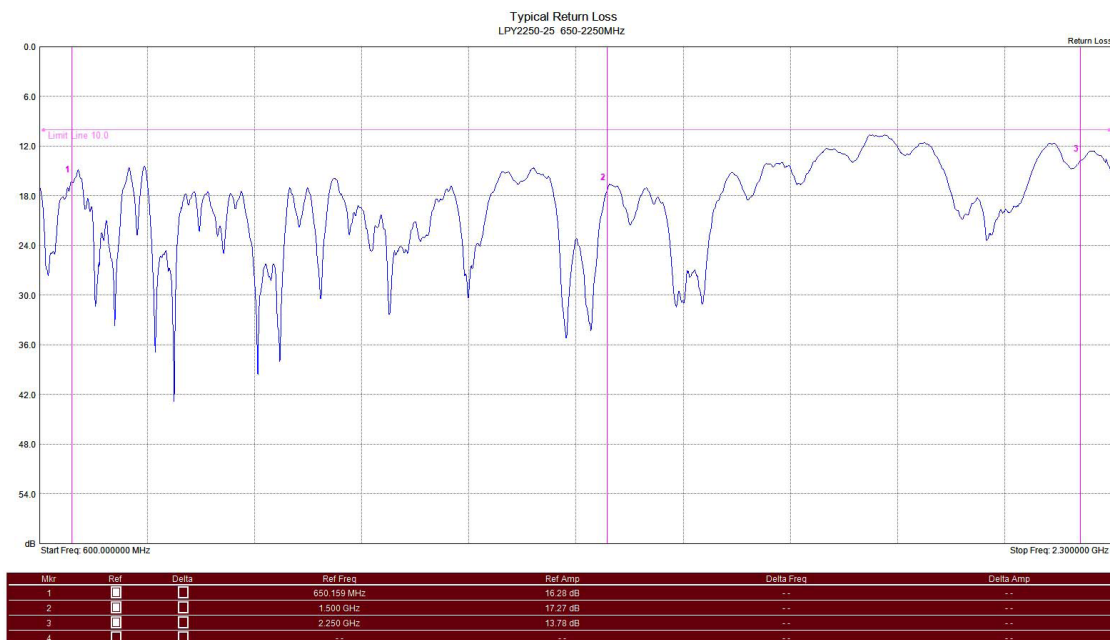
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LPY2250 typical return loss



LPY2250-25 typical return loss



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#### Suitable mounting hardware




CFB series - Galvanised steel 'J' hockey stick brackets, 1.1 - 2.1 metres.

Requires mounting screws/ bolts and mounting hardware for antenna




SFB Series - galvanised steel pole extension 0.9-2.0 metres  
Roof or overhang mounting

Requires mounting screws/ bolts and mounting hardware for antenna



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

Requires mounting screws/ bolts and mounting hardware for antenna



A-2307 - 6-piece aluminium & fibreglass mast - 6.68m

Includes: insulated top, guy wires, spigots and base bracket.

#### Suitable feeder coaxial cable and connectors



MIL-SPEC RG213 stranded copper conductor coaxial cable  
P/N 7800

Available in 100m or 300m rolls or alternatively request a custom cable assembly



N-type male crimp connector for MIL-SPEC RG213  
P/N 7937

Tri-metal plated



RU400 Solid copper conductor, low loss coaxial cable  
CNT-400 / LMR-400™ equivalent  
(\* times microwave)  
P/N 7890

Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly



N-type male crimp connector for RU400 low loss, solid conductor  
P/N 8226

Tri-metal plated



1/2" super flexible helical shielded, foam dielectric coaxial cable  
P/N ZCG1250SF

Available in per metre, 500m roll or alternatively request a custom cable assembly



N-type male clamp connector for 1/2" super flexible, helical shielded coaxial cable  
P/N NM1250SF

Tri-metal plated



1/2" corrugated shielding, foam dielectric coaxial cable  
P/N ZCG1250

Available in per metre, 500m roll or alternatively request a custom cable assembly



N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable  
P/N NM1250

Tri-metal plated