



LPY600 series

Directional broadband log periodic antenna

TE.T.RA / L.M.R. / C.B.R.S. / UHF / LTE Cellular 470-820 MHz



The LPY600 series of log periodic antenna provide exceptionally broad bandwidth coverage across the UHF 500-800 MHz or 470-820 MHz frequency range.

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

SKU	LPY600	LPY600-AL
Construction	Fully-welded 304 grade stainless steel booms, elements and mount bracket, external coaxial cable and nickel plated termination	Fully-welded corrosion resistant aluminium booms, elements and rear mount bracket, external coaxial cable and nickel plated termination
Frequency range	470-820 MHz - UHF / TETRA & LTE compatible	
Bandwidth	Full frequency range stated - 350 MHz	
VSWR	<2:1	
Tuning	Factory	
Gain	6 dBi	
Maximum power	50 Watts	
Impedance - nominal	50 Ohms	
Polarisation	Mount horizontal or vertical as required	
H Plane	98° - depending on frequency	
E Plane	59° - depending on frequency	
Front-to-back ratio	24 dB	
DC grounding	Yes	
Connector	BNC female fitted to 200mm RG58A/U stranded, rear exits from antenna or specify requirements	
Boom length	470mm	
Longest element	320mm	
Weight	2.25kg	740grams
Projected area	0.02m ²	
Wind load at 160kph	2.47kg, 0.024kN	
Mounting hardware supplied	Welded angle plate clamp and 30-50mm capability 304 stainless steel U-bolt	



LPY600 - stainless steel model



LPY600-AL - aluminium model



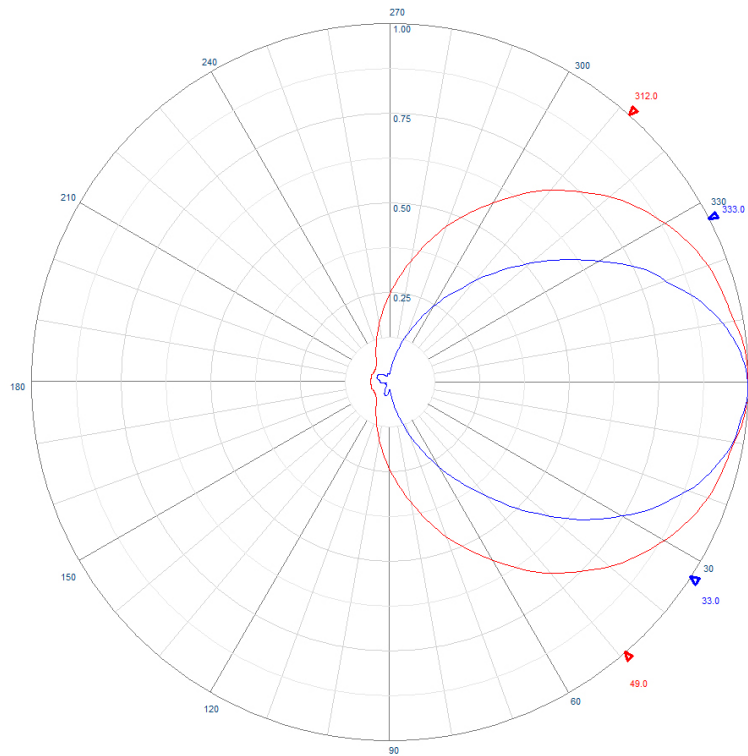
BNC female terminated to coaxial cable



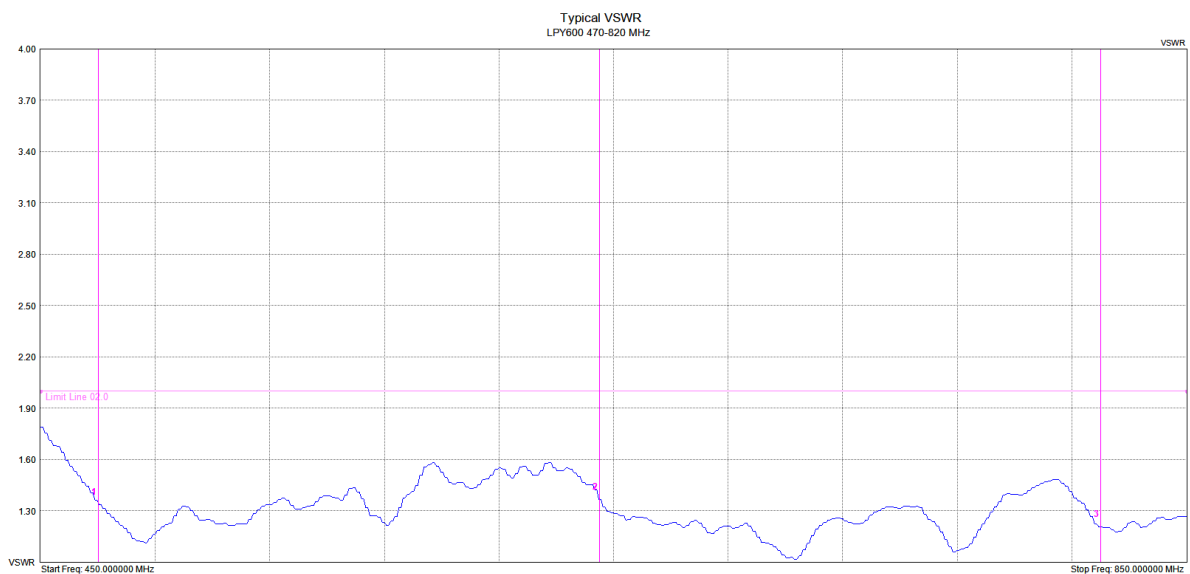
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Example radiation pattern



Mtr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input type="checkbox"/>	<input type="checkbox"/>	470.000 MHz	1.241 VSWR	--	--
2	<input type="checkbox"/>	<input type="checkbox"/>	645.000 MHz	1.371 VSWR	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	820.000 MHz	1.211 VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR





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Suitable mounting hardware




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

Requires mounting screws/ bolts and mounting hardware for antenna



SKU: SFB900
Galvanised steel pole extension 0.9-2.0 metres
Roof or overhang mounting

Requires mounting screws/ bolts and mounting hardware for antenna



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

Requires mounting screws/ bolts and mounting hardware for antenna



NBS Anodised aluminium telescopic masts
2 to 6 sections
3-16 metre extended
Quick-install mounts available
[Contact us for more info.](#)

Suitable feeder coaxial cable and connectors



SKU: 7800
MIL-SPEC RG213 stranded copper conductor coaxial cable

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



SKU: NM-7937
N-type male crimp connector for MIL-SPEC RG213

Tri-metal plated - Low P.I.M.



SKU: 7890
RU400 low loss, solid copper core, foam dielectric cable
Ultra flexible SKU: 7890-2
Available in 100m, 300m or 500m (UF only) roll or alternatively request a custom cable assembly



SKU: NM-8226
N-type male solder pin crimp connector for RU400 / RU400-UF coaxial cable

Tri-metal plated - Low P.I.M.



SKU: 7890-3
RU600 low loss, solid copper core, foam dielectric cable

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



SKU: NM-8226-2
N-type male solder pin crimp connector for RU600 coaxial cable

Tri-metal plated - Low P.I.M.



SKU: ZCG1250
1/2" corrugated shielding, foam dielectric coaxial cable
Air dielectric. SKU: ZCG1250-A
Helical super flex. SKU: ZCG1250SF
Available in per metre (excl. Air) or 500m rolls or alternatively request a custom cable assembly



SKU: NM1250
N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable
Super flex. SKU: NM1250SF

Tri-metal plated - Low P.I.M.