

## LPY698-2700 series

**Radome enclosed directional multiband log periodic antenna**  
**All networks 4G LTE & 4G 698-960 MHz & 1710-2700 MHz**

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

The LPY698-2700 series of radome enclosed log periodic antennas provides exceptionally broad bandwidth coverage across all networks 4G LTE and dualband 4G mobile phone/wireless data networks 698-960 MHz & 1710-2700 MHz.

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



SKU	LPY698-2700S*	LPY698-2700
Construction	White PVC radome and aluminium mounting hardware	
Frequency range	698-960 MHz & 1710-2700 MHz - 4G LTE, dualband 4G and WiFi/WLAN	
Bandwidth	Full frequency ranges stated	
VSWR	<1.5:1	
Tuning	Factory	
Gain	8 dBi	11 dBi
Maximum power	100 Watts	50 Watts
Impedance - nominal	50 Ohms	
Polarisation	Mount horizontal, vertical or +/- slant as required	
H Plane	70-90°	65°
E Plane	85-110°	50°
DC grounding	Yes	
Connector	N-type female fitted to 200mm white RG58 stranded	
Dimensions	Length: 290mm, Width: 65mm, Height: 210mm	Length: 400mm, Width: 60mm, Height: 260mm
Weight	1.5kg	
Wind Load at 160kph	Front: 1.653kg, 0.016kN Side: 7.377kg, 0.072kN	Front: 1.89kg, 0.019kN Side: 12.598kg, 0.123kN
Mounting hardware supplied	Adjustable angle plate clamp and 2 x 40-50mm diameter U-bolts	
Mounting position recommended	Mount as high on your structure, pole, mast or tower as possible using a maximum 50mm diameter pole. Adjust the polarisation of the antenna using the mounting holes on the mount bracket.	
Installation tools required	10mm spanner for securing bracket and U-bolts	



LPY698-2700S



LPY698-2700



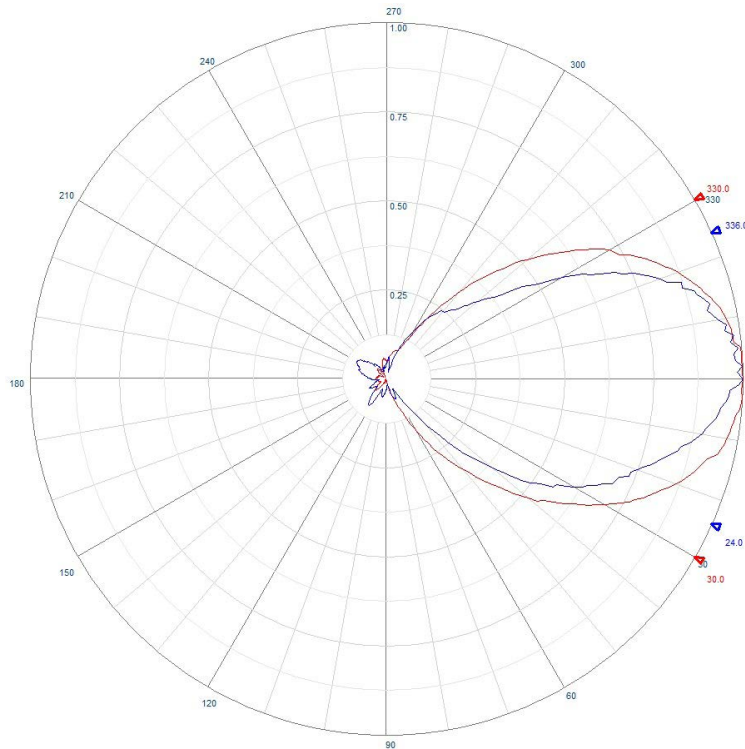
LPY698-2700 in +45 & -45 configuration for full 4G LTE 'X' polarised capability.



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Example radiation pattern - LPY698-2700S

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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  
900mm  
(available up to 2.0 metres)  
Flat 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: 7876-2**  
RU240-UF ultra flexible  
stranded conductor, low loss  
coaxial cable  
LMR-240-UF™ equivalent  
(\* times microwave)  
  
Available in 500m rolls or  
alternatively request a custom  
cable assembly



**SKU: NM-7987**  
N-type male crimp connector  
for RU240-UF ultra flexible  
cable  
  
Nickel plated



**SKU: 7890-2**  
RU400-UF ultra flexible  
stranded conductor, low loss  
coaxial cable  
  
Available in 500m rolls or  
alternatively request a custom  
cable assembly



**SKU: NM-8226**  
N-type male crimp connector  
for RU400 low loss, solid  
conductor  
  
Tri-metal plated



**SKU: 7890**  
RU400 Solid copper conductor,  
low loss coaxial cable  
CNT-400 / LMR-400™ equivalent  
(\* times microwave)  
  
Available in 100m, 300m, 500m  
roll or alternatively request a  
custom cable assembly



**SKU: NM-8226**  
N-type male crimp connector  
for RU400 low loss, solid  
conductor  
  
Tri-metal plated



**SKU: 7890-3**  
RU600 Solid copper conductor,  
low loss coaxial cable  
LMR-600™ equivalent  
(\* times microwave)  
  
Available in 500m roll or  
alternatively request a custom  
cable assembly



**SKU: NM-8226-2**  
N-type male crimp connector  
for RU600 low loss, solid  
conductor  
  
Tri-metal plated