

Log Periodic Antenna

700-1000 MHz and 1500-3000 MHz



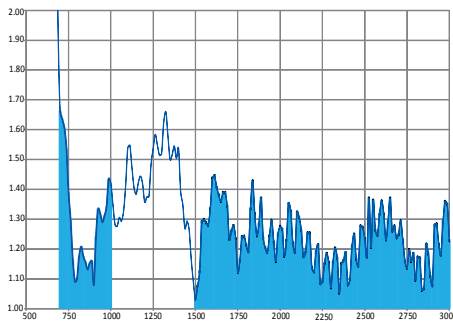
This wideband log periodic antenna offers high gain directional coverage and is suited to all global cellular and various other wireless network applications. The unique ruggedized diecast aluminium construction ensures optimum performance and reliability in all weather and operating environments.

The LPDA antenna is to be mounted vertically with tilting capability incorporated within the clamping arrangement. Mast mounting hardware is supplied to suite pole diameters of up to 60mm.

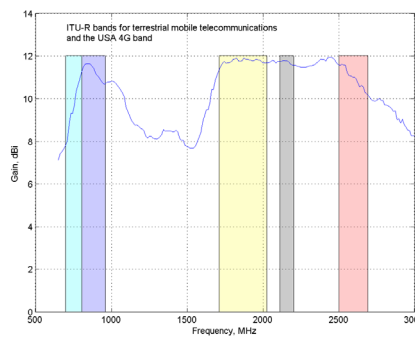


Features:

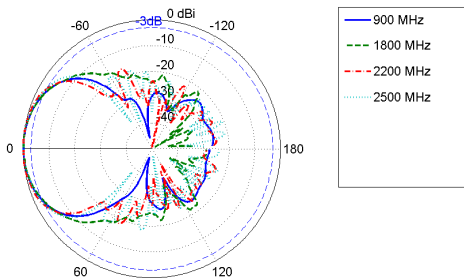
- Wide band frequency range
- Excellent front-to-back ratio
- Easy installation using supplied hardware



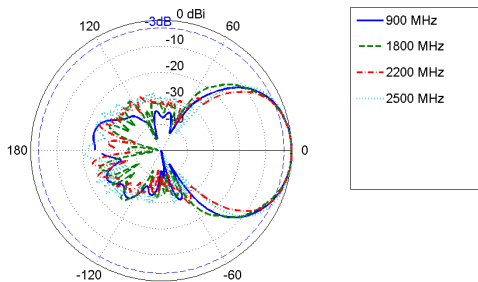
VSWR



Gain



E-Plane



H-Plane

Electrical

Model Number	LPDA7030-11-10SMA	LPDA7030-11-0.5NF
Nominal Gain <i>dBi</i> (<i>dBd</i>)	11 (9)	
Frequency <i>MHz</i>	700 - 1000 / 1500 - 3000	
Tuned Bandwidth	Full Band	
VSWR (Return Loss)	<2.0:1 (9.5dB)	
Nominal Impedance Ω	50	
Vertical Beamwidth ^o	50 (± 5)	
Horizontal Beamwidth ^o	55 (± 5)	
Front to Back (<i>F/B Ratio</i>)	20 dB (± 3 dB)	
Feed power handling <i>W</i>	10	
Polarisation	Linear	

Mechanical

Model Number	LPDA7030-11-10SMA	LPDA7030-11-0.5NF
Dimensions (LxWxH) <i>mm</i>	1100 x 180 x 60	
Weight <i>kg</i>	1.85	
Termination	10 meters cable terminated with male SMA connector	0.5 metres cable terminated with N-Type female connector
Mounting	Stainless steel bracket suit up to 60mm pole (included)	
Wind Survival <i>km/h</i>	160	
Temperature Range (Operating)	-20° C to +70° C	
Shock	40G at 10 msec	
Thermal Shock	-20° C to +70° C: 10 Cycles	
IP Rating	IP65 (NEMA 4X)	