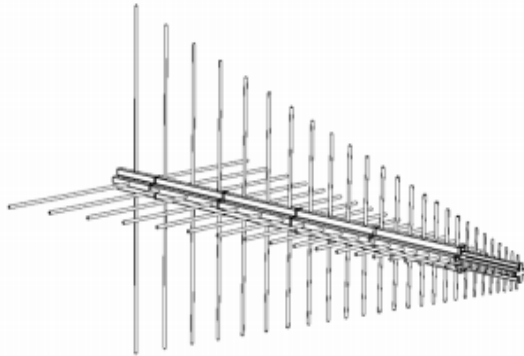


Dual-Polarized LPDA Antenna Model no.: SRFS- LPDA-A0108

Product Description

The LPDA-A0108 is a dual polarized, high-powered, 500 W, directional log-periodic dipole array that covers the 100 to 3000 MHz frequency band. The antenna is supplied with its center mounting bracket.

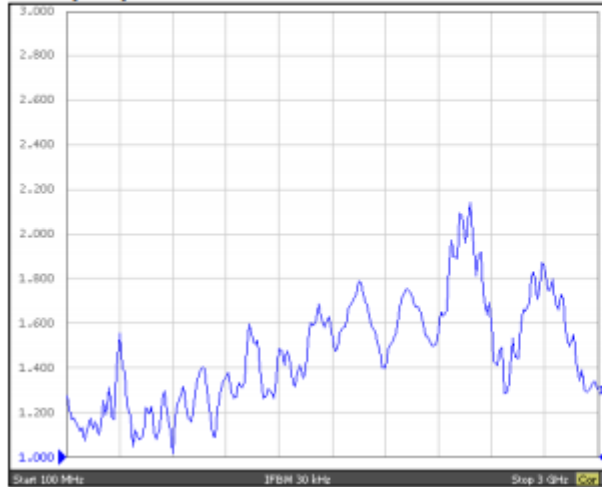


Electrical Specifications	
Frequency range	100 – 3000 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ohm nominal
Isolation	> 20 dB
Feed power handling	500 W @ 100 MHz 100 W @ 3000 MHz
Front-to-back ratio	> 20 dB
Gain	> 6 dBi over 95% of the frequency band
E-plane 3 dB beamwidth	76° typical
H-plane 3 dB beamwidth	120° typical
Polarization	Dual linear
Connectors	2 x 7/16 female (one for each polarization)
Mechanical Specifications	
Dimensions (l x w) mm	2100 mm x 1600 mm x 1600 mm
Material	Aluminium, stainless steel, fibreglass
Environmental Specifications	
Wind survival	160 km/h (calculated)
Qualification	Designed to comply with applicable parts of MIL-STD-810
Temperature (operational)	-40 °C to + 70 °C

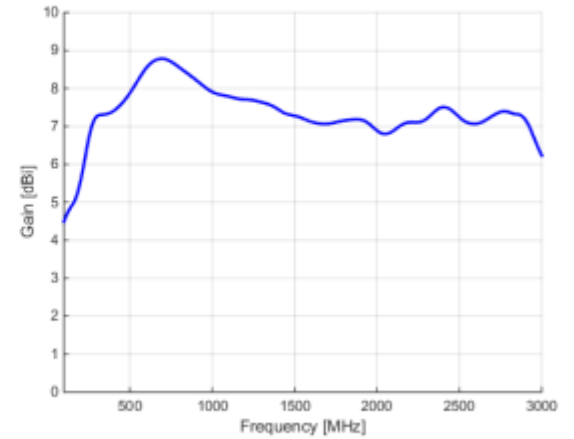
Dual-Polarized LPDA Antenna Model no.: SRFS- LPDA-A0108

VSWR and Gain:

VSWR per port:

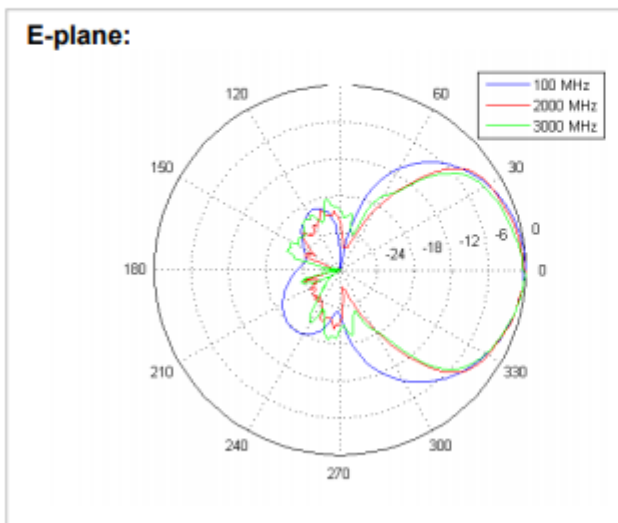


Gain per port:



Patterns for both polarisations:

E-plane:



H-plane:

