



HF Delta Antenna

LB021 | LB036 | LB026 | LB034

Data Sheet

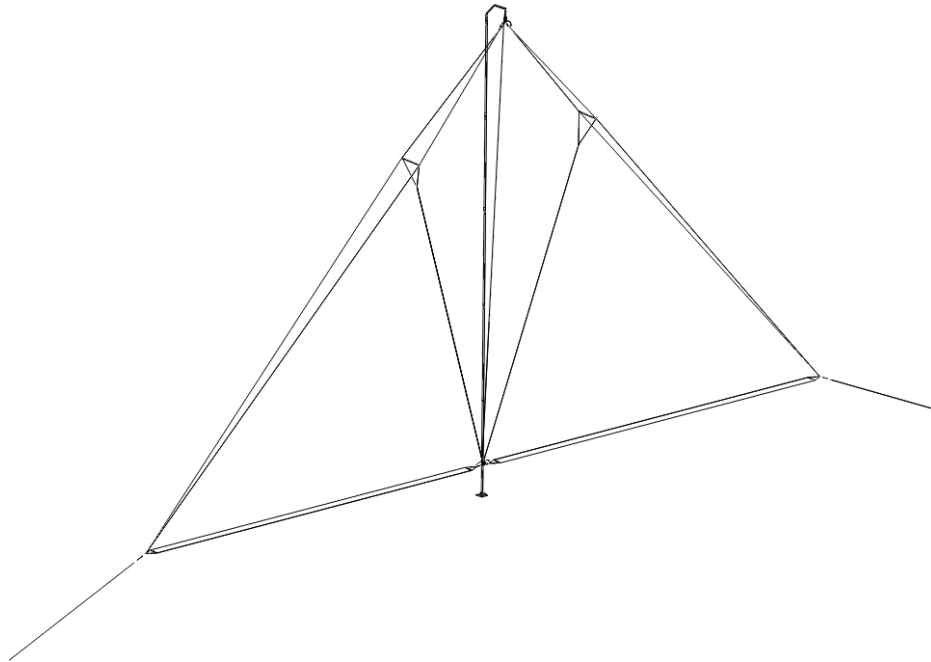


Figure 1 – Broadband Delta Antenna

The Lencom®
Broadband Delta
Antennas cover the
complete range of 2 -
30MHz or 3 - 30MHz.

They are rated to either
150W PEP (75W
Average) or to 1kW
PEP (600W Average).

Product Information

Lencom Deltas have been designed for short to medium distance fixed station multi-frequency operation, and exhibit an essentially omnidirectional, Near Vertical Incidence Skywave (NVIS) radiation pattern.

They require no earth or radial system.

They require no Antenna Tuning Unit, earth or radial system, and will typically exhibit a VSWR of 2:1 or better over the whole range.

They are installed on a 15.5m mast (3-30MHz) or 22m mast (2-30MHz).

Suitable masts are available from Lencom.

Two Delta antennas can be attached to the same mast and operated as separate transmit antennas with 30dB isolation.

HF Delta Antenna

LB021 | LB036 | LB026 | LB034

09

Key Characteristics

	LB021	LB026	LB036	LB034
Frequency range	3-30MHz	3-30MHz	2-30MHz	2-30MHz
Power Rating	150W	1kW	150W	1kW
Input impedance	50Ω			
VSWR over range	<2:1 (typical)			
Isotropic gain	4-7dbi (typical)			
Radiation pattern	Omnidirectional (refer to radiation plot)			
RF connector type	UHF	N-Type	UHF	N-Type
Wind rating	210km/h (no ice)			
Space requirements	42m		64m	
Antenna Width	46m	46m	58m	58m
Mast requirements	15.5m	15.5m	22.5m	22.5m
Packed Weight	35kg	38kg	40kg	43kg
Packed Dimensions	900 x 650 x 300mm			

Radiation Pattern

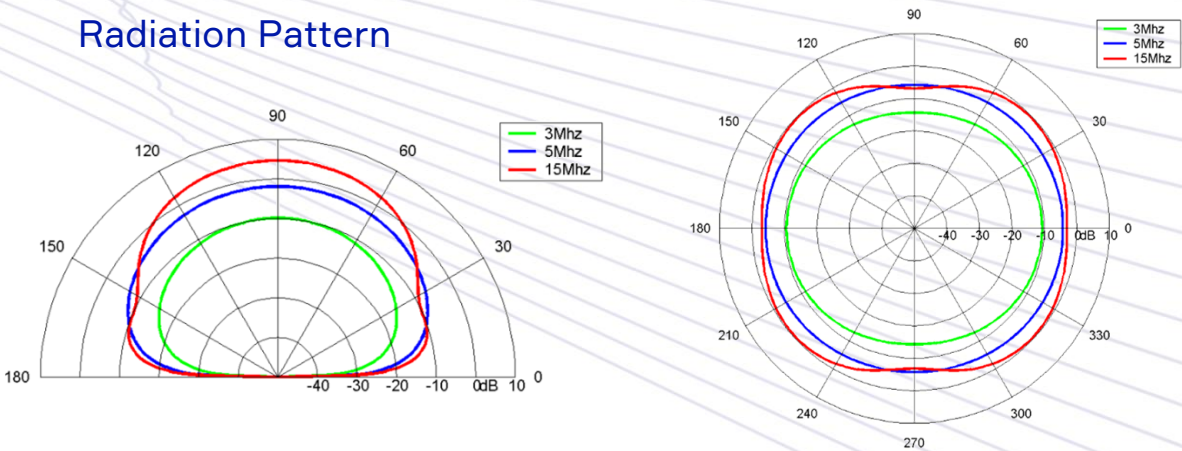


Figure 2 - Radiation Patterns

Modelled above perfect earth; Azimuth slice taken at an elevation of 35degrees from horizon; Elevation slice taken at an azimuth angle of 90degrees from broadside