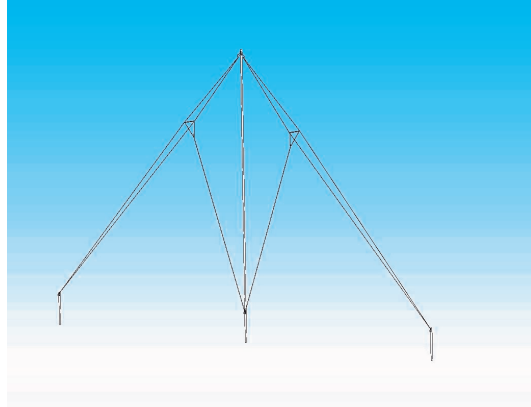




HF Delta Antenna 2155



AT A GLANCE

3 to 30MHz continuous

No ATU required

Omnidirectional

Near Vertical Incidence
Skywave (NVIS) radiation
for short to medium
distance coverage

Rugged construction

The **2155** Broadband Delta Antenna covers the complete range of 3—30MHz, and is available in 100W and 1kW PEP versions.

The **2155** has been designed for short to medium distance fixed station multi-frequency operation, and exhibits an essentially omnidirectional, Near Vertical Incidence Skywave (NVIS) radiation pattern.

The **2155** requires no earth or radial system.

The **2155** is fed centrally via a balun with an N connector, and then to baluns at the base of each oblique radiating element via coaxial cable. Standard cable is RG213, and foam dielectric cable can also be supplied.

The **2155** requires no Antenna Tuning Unit, and will typically exhibit a VSWR of 2:1 or better over the whole frequency range.

The **2155** is installed on a 15m mast. Suitable masts are available from Lencom. Masts include all installation hardware. Refer to "Available Accessories" on Page 2.

All materials used in these antennas are chosen for a long trouble-free life. The radiating elements are constructed of stainless steel wire rope.

Two **2155** antennas can be attached to the same mast, and operated as separate transmit antennas. Isolation between the two antennas is 30dB.





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Specifications

Electrical

Frequency Range	3 to 30MHz	
Power rating	100W or 1kW PEP	
Nominal impedance	50Ω	
VSWR	Generally <2:1	
Radiation Pattern	Azimuth	Essentially omnidirectional
	Elevation	NVIS

Mechanical

Antenna width	60m	
Mast guy radius	14.5m (Typical mast)	
Mast height	15–20m	
Wind rating (Mast and antenna)	200km/hr, no ice	
Packaged details	Packed weight	35kg
	Packed dimensions (excludes mast)	900mm x 650mm x 300mm

Ordering Details

Description	Part number
Delta antenna, 100W PEP	02-2155-001
Delta antenna, 1kW PEP	02-2156-001

Available Accessories

Description	Part number
15m mast, including accessories	02-2140-002

Specifications subject to change without notice

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