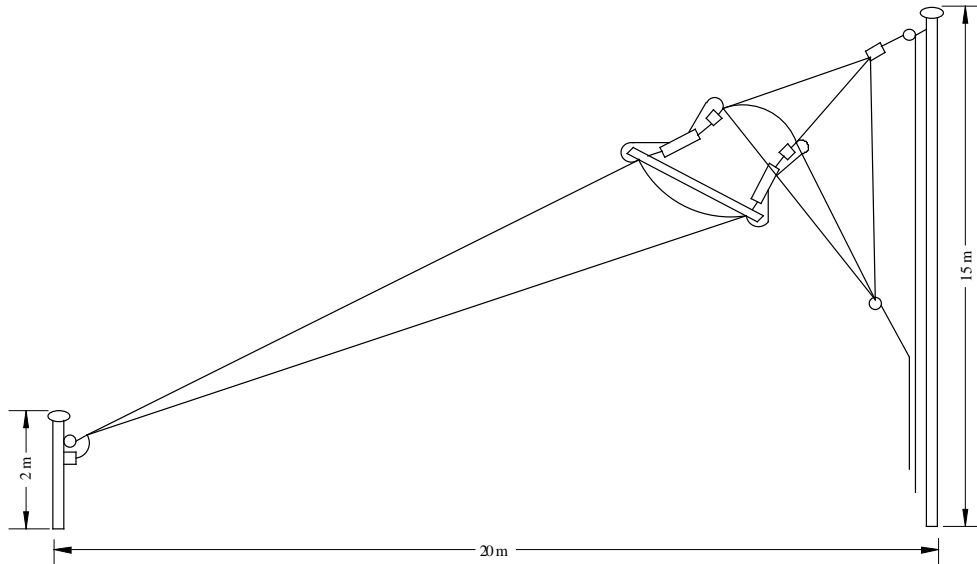




## Type HFB D/S

**HF semi delta base station antenna for short to medium range communications including NVIS**



The semi-delta antenna system is designed for base station use by military, professional and commercial users of the HF band where a broadband system is required. Being simple to erect it exhibits an omnidirectional high angle radiation pattern for communications up to 1700 kilometres, dependent upon ionospheric conditions.

Except for the main support mast, earth stake for the lower end and coaxial cable between the antenna and transceiver, the system is supplied complete with all hardware, transformer balun, and a halyard and pulley to raise the antenna on the main support mast. Cable and connectors are available on request. The main mast may be provided by a free standing or guyed mast, or similar suitable support structure. The antenna should be erected over clear ground. It is not normally suited to roof top installations.

### SPECIFICATIONS

<b>Frequency Range</b>	1.6-30 MHz, for NVIS use 3-17 MHz
<b>Pattern</b>	High angle omnidirectional (azimuth plane)
<b>Impedance</b>	50 $\Omega$ (nominal)
<b>VSWR (typical)</b>	Typically 1.8:1, 2.5:1 max depending on earth conditions
<b>Gain (typical)</b>	3dBi at max beam width
<b>Radiation Pattern</b>	High angle omnidirectional (azimuth)
<b>Wind Rating</b>	220 km/h (138 mph)
<b>Temperature (operating)</b>	-20 to +50 deg. C
<b>Power Capability</b>	150W CW/400W PEP; high power version 600W CW/1500W PEP
<b>Connection</b>	UHF or N socket on connection box at lower end
<b>Packed Weight</b>	9 kg (19.8 lbs); cubic weight 11kg (42.2 lbs)

Specifications subject to change – Issued 01/09/13

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