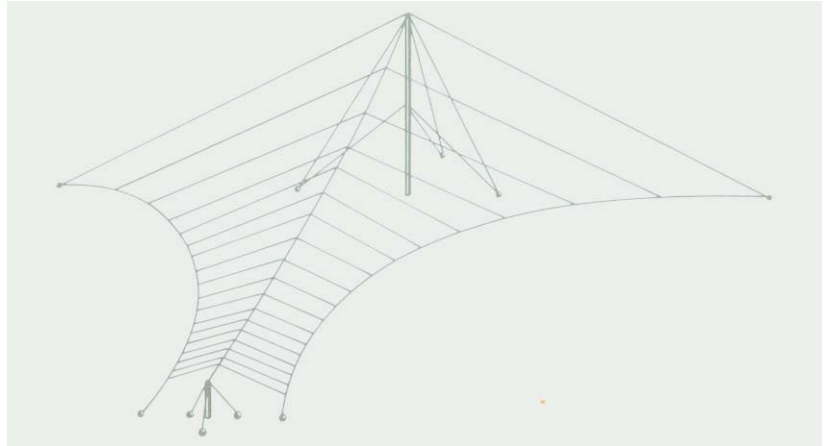


HF Log Periodics - Horizontally Polarised 2-30MHz - Series 1520

- Short to medium range
- Up to 10kW CW
- Low shipping costs
- Short installation time



The SMC 1520 series horizontally polarised log periodics are an economical alternative to conventional arrays for short to medium range paths, providing excellent gain and efficiency. The single support mast reduces installation and site preparation time. The slope of the antenna has been selected to give the optimum angle of radiation, together with a low VSWR, across the band. Alternative frequency ranges to those shown overleaf can be readily

calculated using the computer aided design service and antennas speedily built to suit customer's particular requirements.

SMC can supply the complete system, including antenna, mast, end pole, tapered line transformer or balun and lighting kit to ICAO standards. Masts can be either galvanised steel or aluminium alloy, thus further reducing shipping costs.

Technical Specification

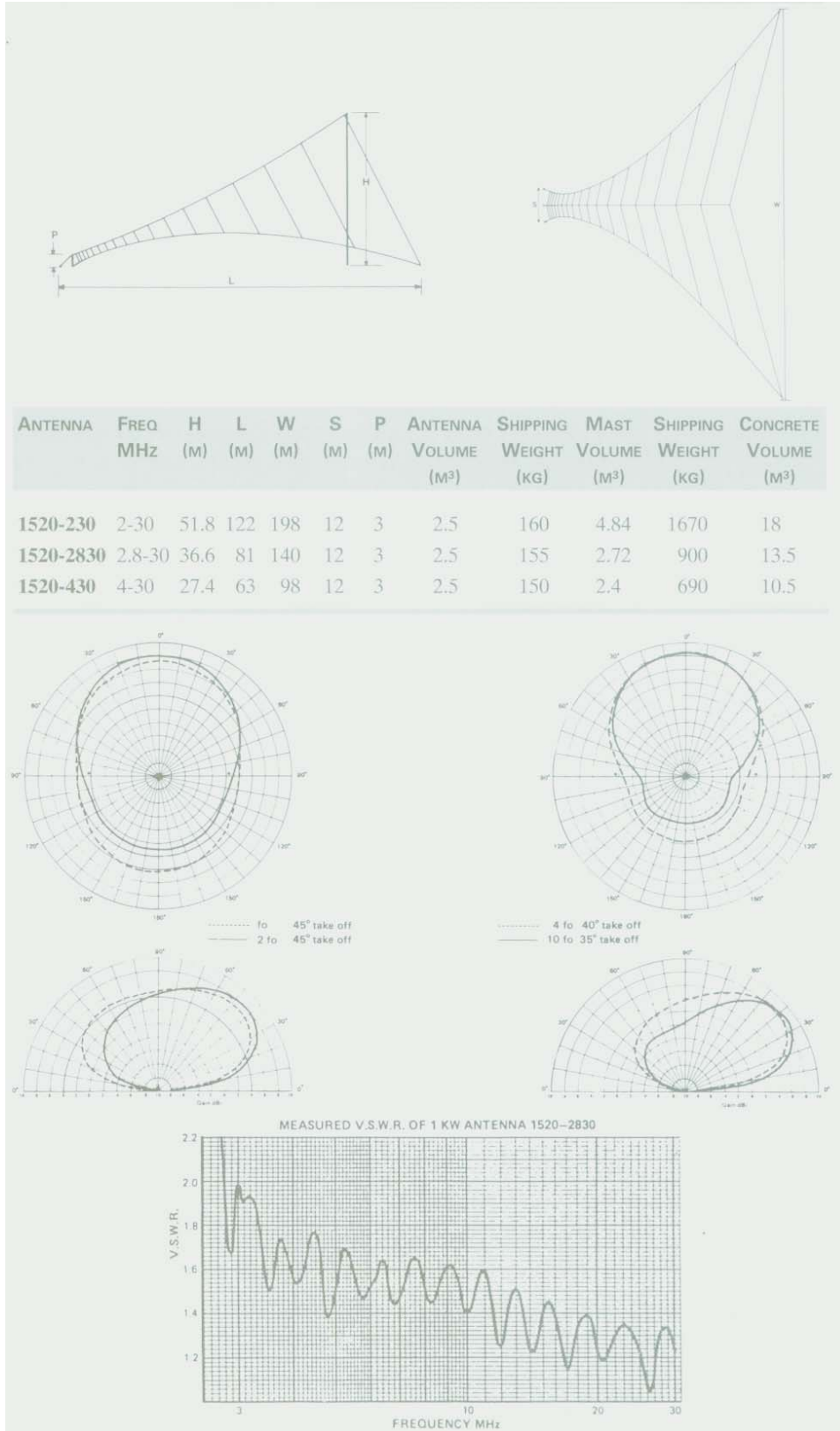
Frequency ranges	2-30MHz, 2.8-30MHz and 4-30MHz, or to order
Polarisation	Horizontal
Gain	9.1dBi perfect ground, 8.1dBi average ground
Impedance	600, 75, 50 ohm to customer's requirements
VSWR	2:1 maximum
Power	Receive to 10kW
Wind loading	161kph (100mph)

Materials

Elements	Cadmium copper
Insulators	Alumina
Catenaries	Parafil or Phylistran
Fittings	Stainless steel and aluminium

GENERAL SPECIFICATION

SERIES 1520



SMC reserves the right to change specifications without prior notice



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