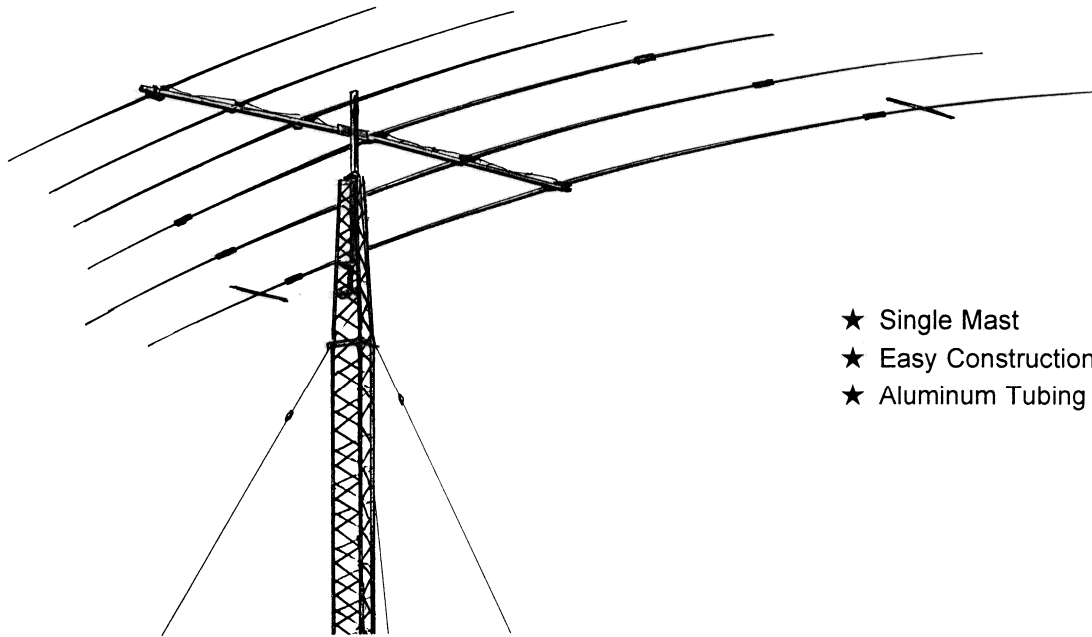




HF Multi-Band Antenna 420M-x

Ship Band 6 to 24 MHz/4 to 24MHz



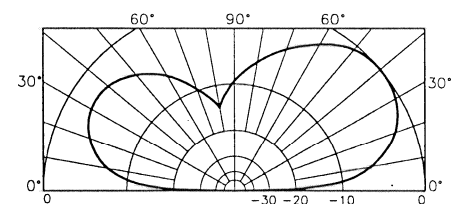
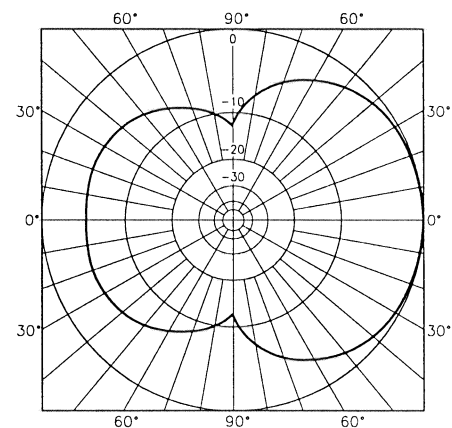
- ★ Single Mast
- ★ Easy Construction
- ★ Aluminum Tubing Element

In parallel with a growing demand for international communications and broadcasts in recent years, the operating frequency of HF communications and broadcasts also have been increasing.

HF antenna 420M-x is a full sized and reduced-scale elements of 4~22 MHz 7 element dipoles. Available on any 6 discrete frequencies through the 4~22 MHz range upon request. Each elements are coupled by a phasing line. The proper phase relationship between the dipoles is set at 180 degrees and is obtained by simply crossing the phasing line. Further, when construction costs are compared to those for the inverted "L", "T" type, and other conventional antennas, there is no appreciable difference in expense and much higher gain and S/N ratio mean even more value.

SPECIFICATIONS

Frequency Band MHz	420M-1: 4.3-6.2-8.2-12.2-16.3-22 420M-2: 6.2-8.2-9.0-12.2-16.3-22
Polarization	Horizontal
Forward Gain	4~6 dBi
Front to Back Ratio, Average	3 dB
Azimuth Pattern	Essentially Bi-Directional
VSWR	Less Than 2: 1
Input Impedance	50 ohms
Power Handling Capability	See Note 1
Boom Length	6.5 m
Element Length, Max.	19 m/420M-1, 18 m/420M-2
Turning Radius	10 m/420M-1, 9 m/420M-2
Wind Loading Capability	45 m/s
Suggested Antenna Height	23 m/h
Weight, Antenna	65 Kg/420M-1, 55 Kg/420M-2



Note 1.	Power	Connector
Type 1.	Receiving, Transmit 500W/1kW	-N-
Type 2.	1 kW/2kW	-N-
Type 3.	5 kW/10kW	-HN-

Optional: 23 m/h, Guy Supporting Tower Kit. KT10NL

Typical Radiation Patterns, 6~8MHz 23m/h.