

UHF Yagi Antennas Series

The UHF Yagi Antenna Series is available in 2, 3, 7 elements and our 70 MHz wideband configurations. All our antennas can be completely customized to your particular applications. Our antennas can be black anodized, fully welded, vertically or horizontally polarized, and heavy-duty versions are available.

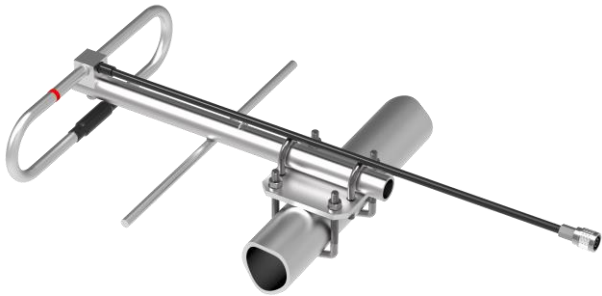
- Each antenna has a rugged, fully welded design to withstand harsh environmental conditions.
- The mounting hardware supplied allows either vertical or horizontal polarization.
- DC ground for lightning protection.
- Heavy-duty versions are available. Please contact our Technical Support team for consultation.

Electrical Specifications	F-3872	433-70	430-70	480-70
Frequency Range, MHz	406-470	406-470	380-512	406-470
Nominal Gain, dBd	3.5	6.5	10.0	10.0
Number of Elements	2	3	7	7
Bandwidth 1.5:1 VSWR, MHz (Center Freq.%)	24	24	24	64
Polarization	Vert. or Horiz.	Vert. or Horiz.	Vert. or Horiz.	Vert. or Horiz.
Horizontal Beamwidth (Vert. Pol.)	138°	83°	62°	62°
Vertical Beamwidth (Vert. Pol.)	72°	59°	48°	50°
Front to Back, dB	10	12	20	17
Pattern	Directional	Directional	Directional	Directional
Power Rating, Watts	350	350	350	350
Nominal Impedance, Ohms	50	50	50	50
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground
Standard Termination	Type N Male	Type N Male	Type N Male	Type N Male
Mechanical Specifications	F-3872	433-70	430-70	480-70
Length, in (mm)	28 (711)	23 (584)	45 (1143)	45 (1143)
Width, in (mm)	14.5 (368)	14 (355)	14.5 (368)	14.4 (366)
Weight, lbs. (kg)	2.8 (1.3)	2.9 (1.3)	3.9 (1.8)	3.9 (1.8)
Rated Wind Velocity, No Ice, mph (km/h)	160 (257)	160 (257)	150 (241)	150 (241)
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	120 (193)	120 (193)	110 (177)	110 (177)
Lateral Thrust @ 100 mph, wind, lbs. (kg)	9 (4.1)	8.7 (4.0)	16 (7.3)	15 (6.8)
Projected Area, ft ² (m ²)	0.34 (0.03)	0.32 (0.03)	0.61 (0.06)	0.55 (0.05)
Mounting Hardware Included	127-85 Clamp	127-85 Clamp	127-85 Clamp	127-85 Clamp



480-70

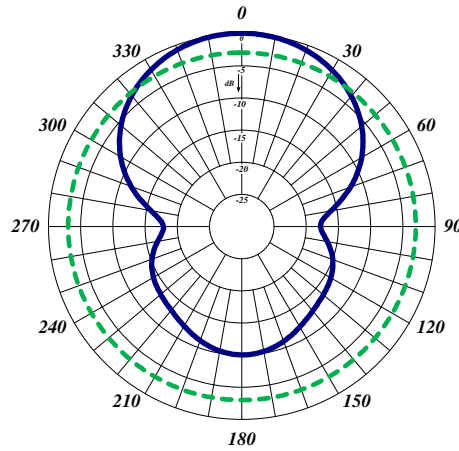
* See next page for ordering information of different frequency splits (page 4) *



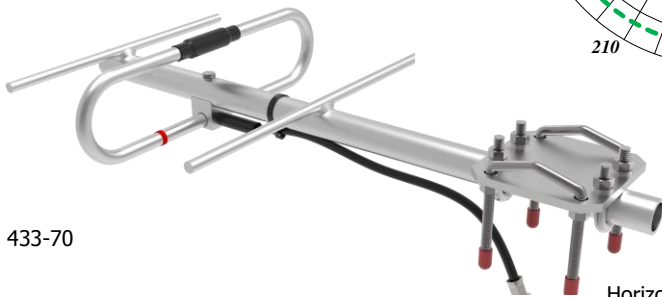
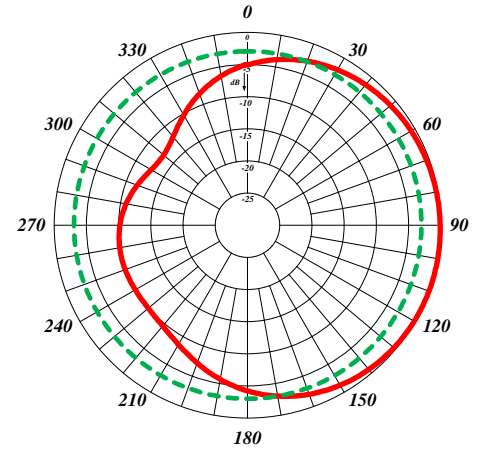
Horizontal Polarization

F-3872

Horizontal Pattern

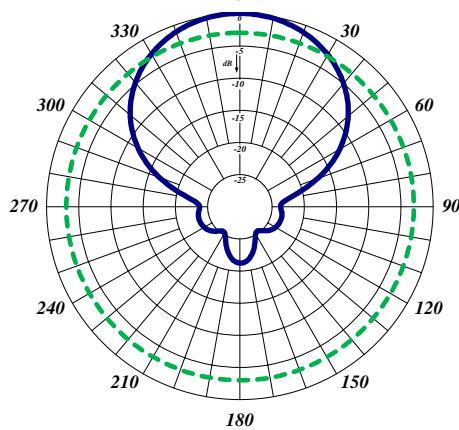


Vertical Pattern

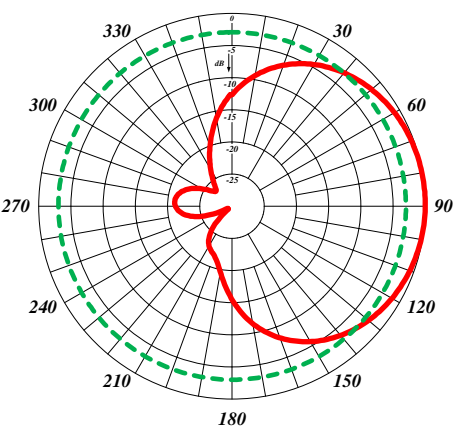


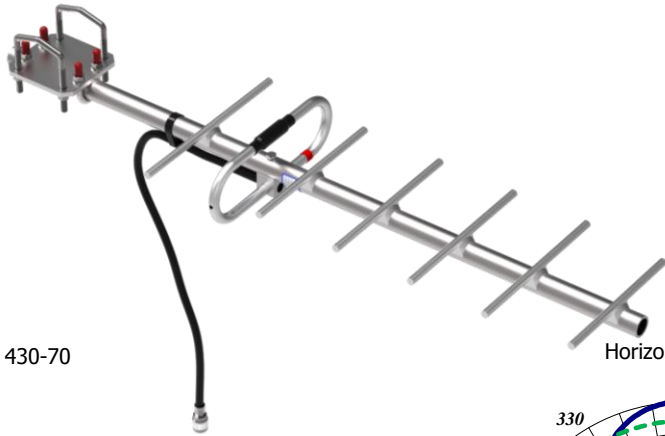
433-70

Horizontal Pattern



Vertical Pattern

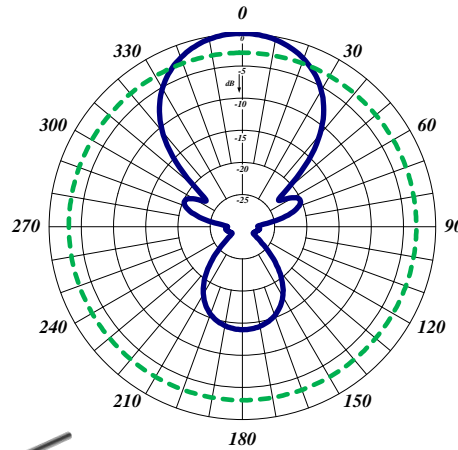




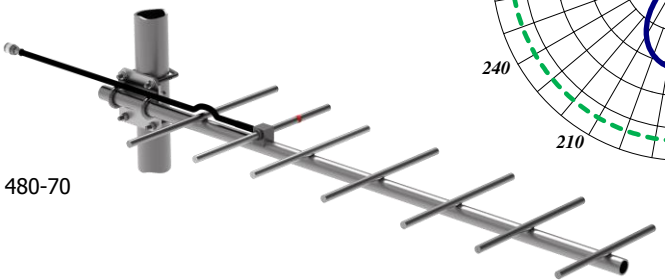
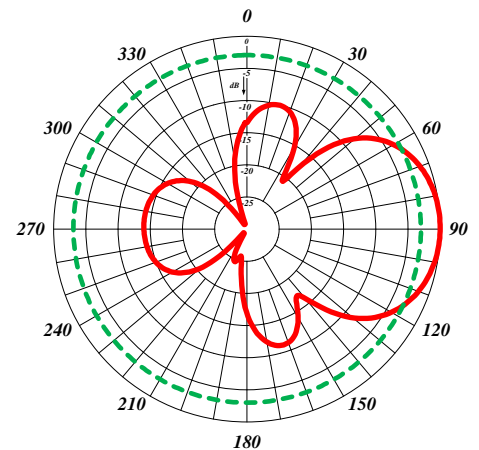
Horizontal Polarization

430-70

Horizontal Pattern

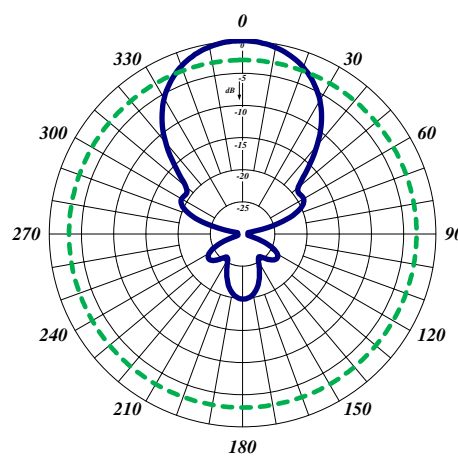


Vertical Pattern

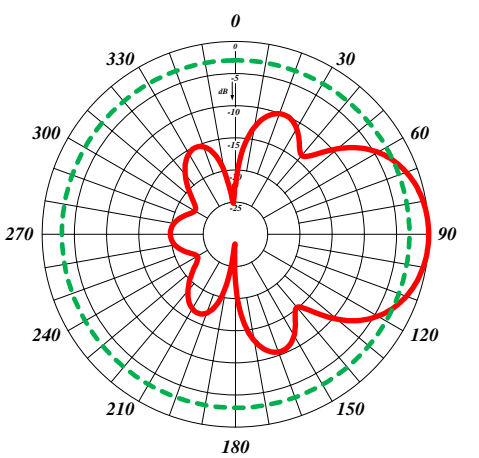


480-70

Horizontal Pattern



Vertical Pattern



Order Information	380-400 MHz	406-430 MHz	430-450 MHz	450-470 MHz	406-470 MHz	470-490 MHz	490-512 MHz	Black Anodized	(2) Stacked	(4) Stacked
F-3872	N/A	F-3872*1	F-3872*2	F-3872*3	N/A			F-3872-B	N/A	
433-70	N/A	433-70*1	433-70*2	433-70*3	N/A			433-70-B	N/A	
430-70	430-70*6	430-70*1	430-70*2	430-70*3	N/A	430-70*4	430-70*5	430-70-B	(2)430-70	(4)430-70
480-70	N/A	480-70			N/A			480-70-B	481-70	(4)480-70