

## Radome Yagi Antennas Series

The Radome Yagi Antenna Series are available in UHF and 700/800/900 MHz configurations. The UHF model is offered with a Fiberglass or PVC Radome. The 700/800/900 MHz model is offered in PVC. All our antennas can be completely customized to your particular applications.

- Each antenna has a rugged design to withstand extreme environmental conditions.
- The mounting hardware supplied supports either vertical or horizontal polarization.
- DC ground for lightning protection.
- The PVC enclosure is 1/2 inch thick.
- The PVC radome models are our Heavy-Duty Versions.
- This antenna is available in Low-PIM (-150 dBc; two 20W carriers).

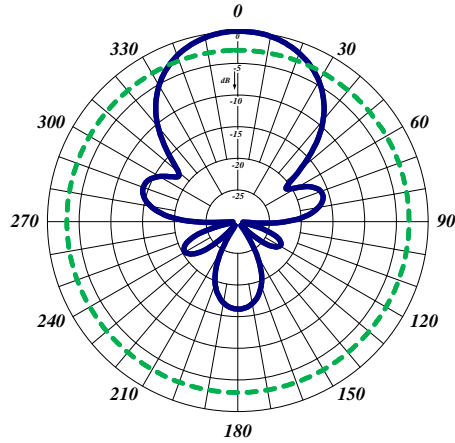


490-70-HDR

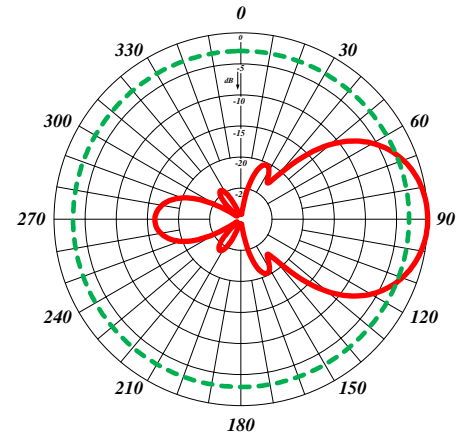
Electrical Specifications	425-70-HDR	426-70-R	490-70-HDR
Frequency Range, MHz (in splits)	406-470	406-470	746-960
Nominal Gain, dBd	10	10	10
Number of Elements	7	7	7
Bandwidth: 1.5:1 VSWR, MHz	20	20	72
Polarization	Vert./Hor.		
Horizontal Beamwidth (Horizontal Pol.)	62°	62°	56°
Vertical Beamwidth (Horizontal Pol.)	48°	48°	42°
Front to Back, dB	20	20	20
Pattern	Directional		
Power Rating, Watts	250	250	150
Nominal Impedance, Ohms	50	50	50
Lightning Protection	DC Ground		
Standard Termination	Type N- Female for standard version		
Mechanical Specifications	425-70-HDR	426-70-R	490-70-HDR
Length, in (mm)	31 (787)	30 (762)	29 (737)
Width, in (mm)	16 (406)	16 (406)	14 (356)
Weight, lbs. (kg)	44 (20)	19 (8.6)	28 (12)
Radome Material	PVC	Fiberglass	PVC
Rated Wind Velocity, No Ice, mph (km/h)	150 (241)	120 (193)	150 (241)
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	105 (169)	110 (177)	115 (185)
Lateral Thrust @ 100 mph, wind, lbs. (kg)	69 (31.3)	61 (27.7)	47.4 (21.5)
Projected Area, ft <sup>2</sup> (m <sup>2</sup> )	2.6 (0.24)	2.3 (0.21)	1.8 (0.17)
Mounting Hardware Included	173-85 clamp	173-85 clamp	173-85 clamp



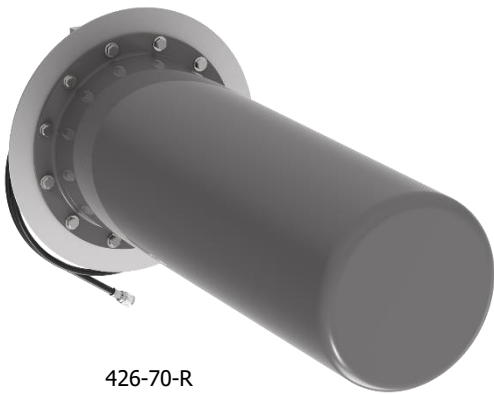
425-70-HDR



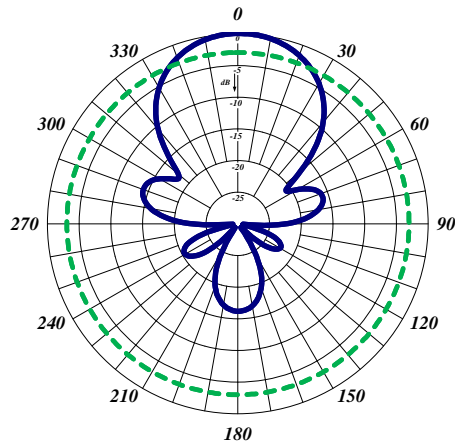
425-70-HDR Horizontal pattern (Vertical Polarization)



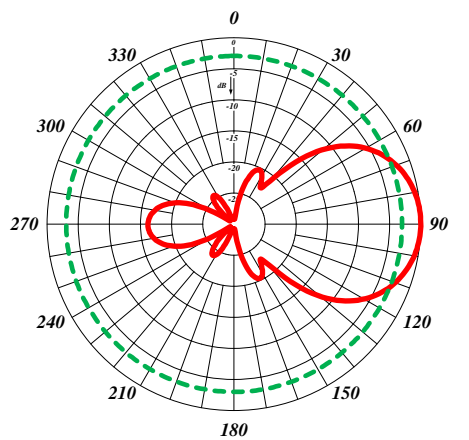
425-70-HDR Vertical Pattern (Vertical Polarization)



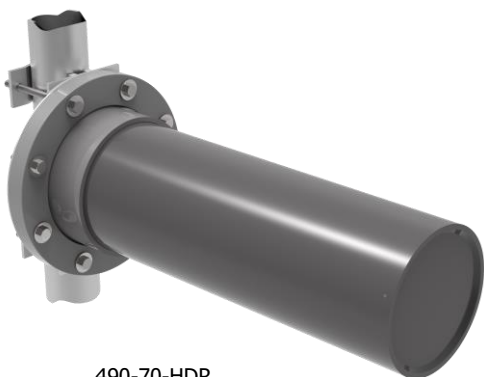
426-70-R



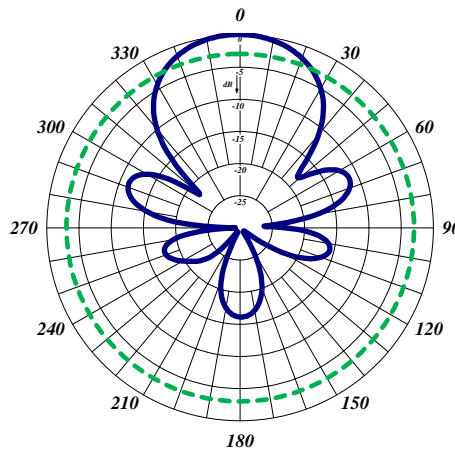
426-70-R Horizontal pattern (Vertical Polarization)



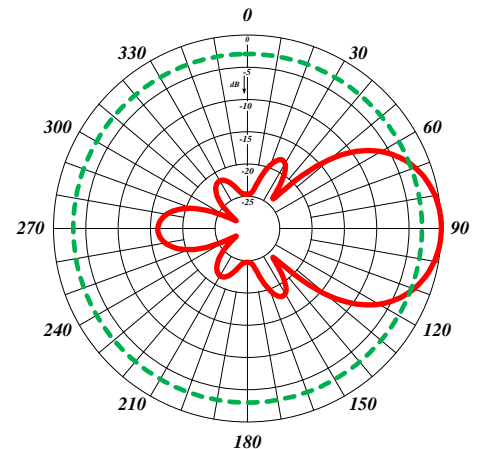
426-70-R Vertical Pattern (Vertical Polarization)



490-70-HDR



490-70-HDR Horizontal pattern (Vertical



490-70-HDR Vertical Pattern (Vertical