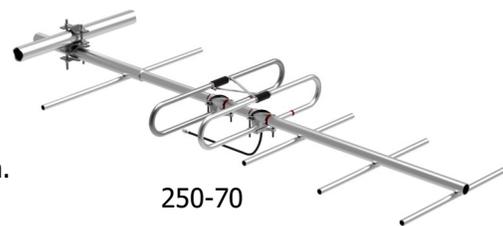


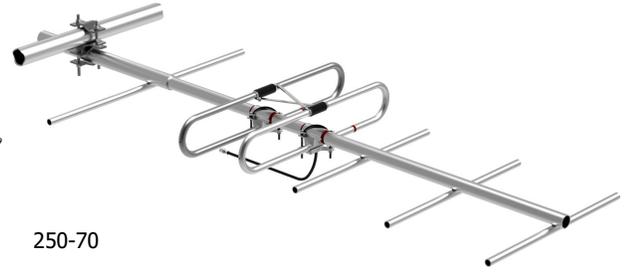
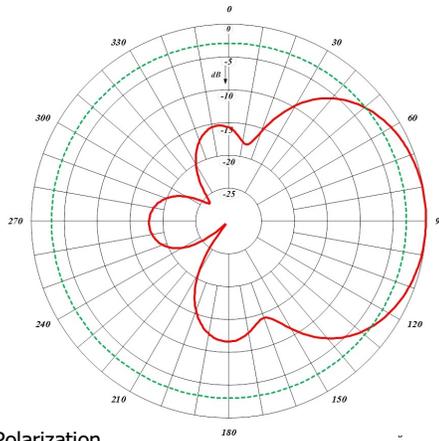
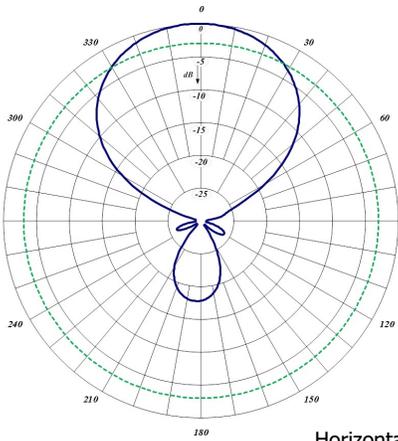
290 Series VHF Yagi Antennas

The 290 Series VHF Yagi Antenna are available in 2, 3, and 6 element configurations. All of our antennas can be completely customized to your applications. Our antennas can be Black Anodized, Welded, Vertically or Horizontally Polarized, and heavy duty versions are available.

- Each antenna has a rugged design to withstand harsh environmental conditions.
- The mounting hardware supplied will permit either vertical or horizontal polarization.
- DC ground for lightning protection.
- Optionally have the entire antenna welded for added durability.
- Heavy-duty versions are available. Please contact a Comprod Inc. Technical support technician for consultation.

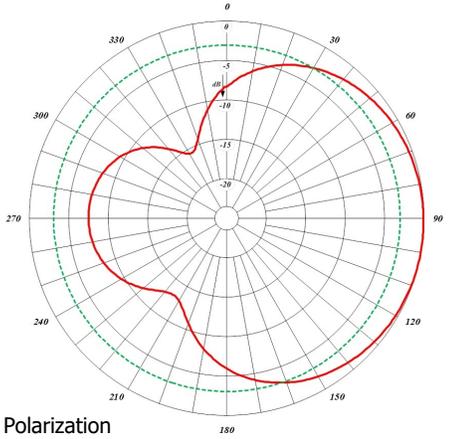
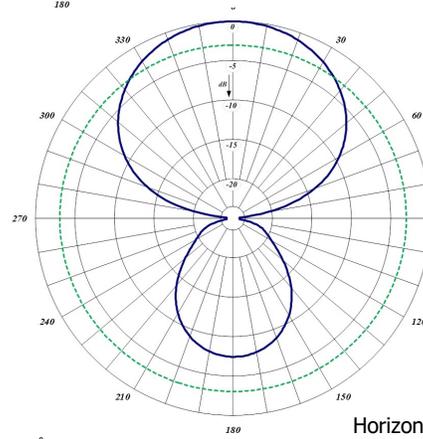


Electrical Specifications	291-70	295-70	290-70	250-70			
Frequency Range, MHz	138-174	138-174	138-174	138-174			
Nominal Gain, dBd	3.5	6.5	9.5	7			
Number of Elements	2	3	6	7			
Bandwidth 1.5:1 VSWR, MHz (Ctr.Freq.%)	3.75%	4%	4%	36 @ 2:1			
Polarization	Vert. or Horiz.	Vert. or Horiz.	Vert. or Horiz.	Vert. or Horiz.			
Horizontal Beamwidth (Horizontal Pol.)	140°	90°	62°	80°			
Vertical Beamwidth (Horizontal Pol.)	70°	61°	50°	60°			
Front to Back, dB	15	12	17	25			
Pattern	Directional	Directional	Directional	Directional			
Power Rating, Watts	350	350	350	250			
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	291-70	295-70	290-70	250-70			
Length, in (mm)	50 (1270)	60 (1524)	108 (2743)	104 (2642)			
Width(1/2 Wave Spacing), in (mm)	40 (1016)	43 (1092)	42 (1067)	42 (1067)			
Weight, lbs. (kg)	4.8 (2.2)	6.5 (2.9)	12.0 (5.4)	12.0 (5.4)			
Rated Wind Velocity, No Ice, mph (km/h)	150 (241)	145 (223)	120 (177)	110 (177)			
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	105 (169)	100 (161)	85 (137)	90 (145)			
Lateral Thrust @ 100 mph, wind, lbs. (kg)	105 (169)	100 (161)	85 (137)	90 (145)			
Projected Area, ft ² (m ²)	1.1 (0.10)	1.4 (0.13)	2.4 (0.22)	2.6 (0.24)			
Mounting Information Mast O.D.	181-85 Clamp	181-85 Clamp	115-85 Clamp	115-85 Clamp			
Order Information	End Mount	End Boom	Center Mount	Welded	Heavy Duty	Black Anodized	(2) Stacked
291-70	291-70	N/A	N/A	291-70W	291-70HD	291-70B	Call
295-70	295-70	N/A	295-70CB	295-70W	295-70HD	295-70B	Call
290-70	290-70	290-70EB	290-70CB	290-70W	290-70HD	290-70B	298-70
250-70	250-70	250-70	N/A	250-70W	250-70HD	250-70B	Call



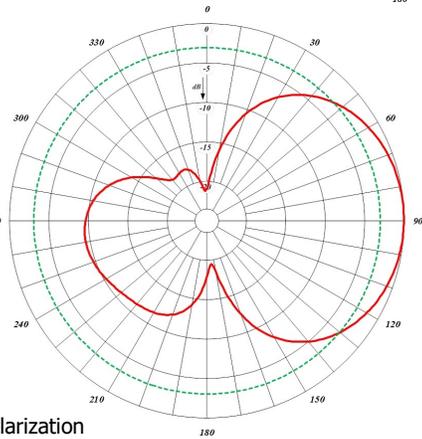
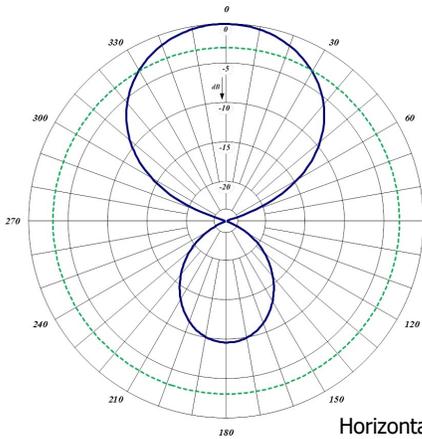
250-70

Horizontal Polarization



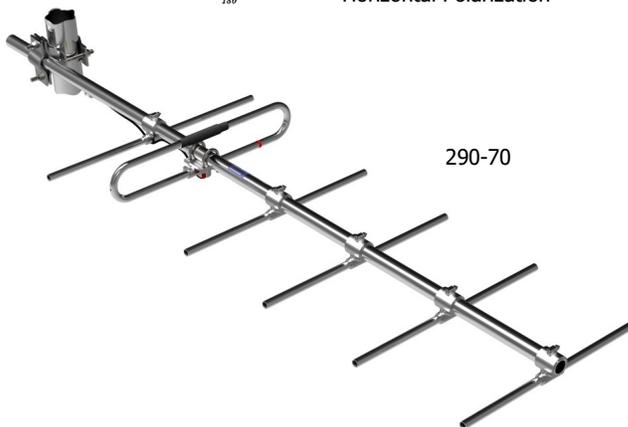
291-70

Horizontal Polarization

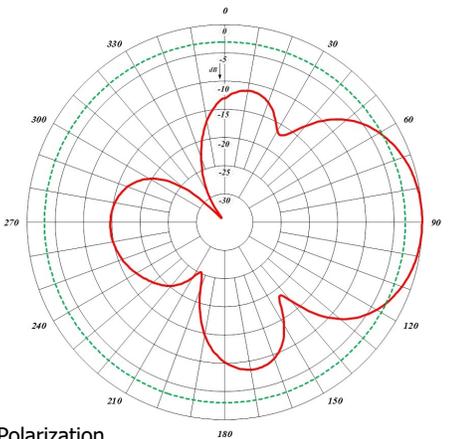
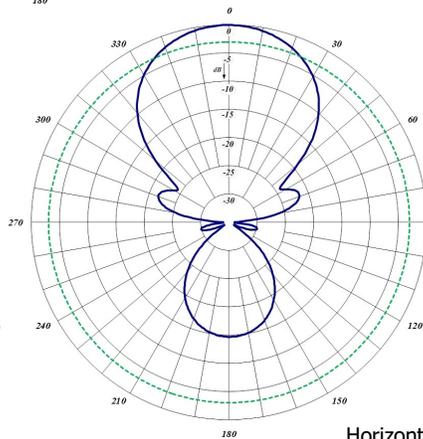


295-70

Horizontal Polarization



290-70



Horizontal Polarization