

## 450-470MHz Yagi Antennas

**Frequency: 450-470MHz, gain: 14dBi 12dBi 10dBi 8dBi**, It is designed primarily for 450–470 MHz SCADA, UHF business band, General Mobile Radio Service, and Family Radio Service 2-way "walkie-talkies", public safety band

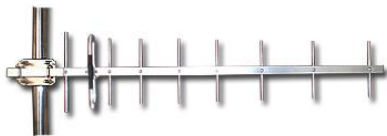
The Yagi directional Series antenna system offered by ZDA is constructed of 6061-T6 Aluminum for outstanding service life. Individual elements are braised to the main boom for permanent attachment. These antennas have high gain and good front to back performance to minimize external interference. They can be mounted in vertical or horizontal polarization. provides the user with anodized aluminum boom, solid elements, Heavy duty mounting hardware. Waterproof Design all-weather operation. these Yagi directional antenna features from Antennector are offered at cost-effective price.

### Features:

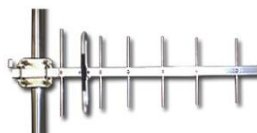
- all weather Anodized Aluminum construction
- Can be installed for either vertical or horizontal polarization
- Solid Aluminum elements
- Heavy duty mounting hardware

### Applications :

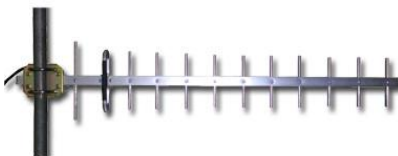
- 450 MHz Band Applications
- SCADA
- UHF business band



**ZDADJ450-12YG**



**ZDADJ450-10YG**



**ZDADJ450-14YG**



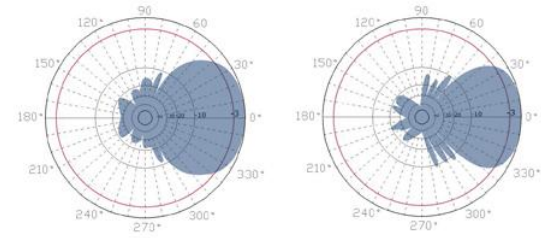
**ZDADJ450-8YG**



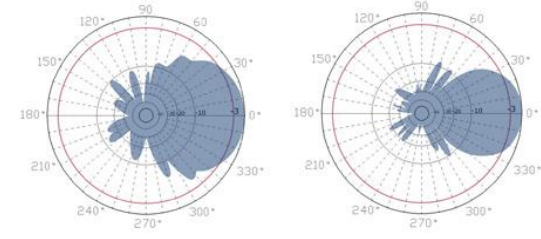
## 450-470MHz yagi Antennas

### 450-470MHz Yagi antenna series specifications

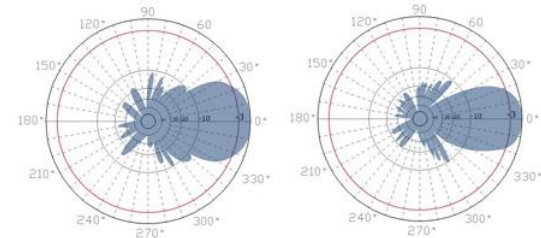
Model	ZDADJ450-8YG	ZDADJ450-10YG	ZDADJ450-12YG	ZDADJ450-14YG
Frequency Range	450-470 MHz	450-470 MHz	450-470 MHz	450-470 MHz
Gain	8dBi	10dBi	12dBi	14dBi
Polarization	Vertical or Horizontal	Vertical or Horizontal	Vertical or Horizontal	Vertical or Horizontal
Horizontal Beam Width	80 °	68 °	45 °	38 °
Vertical Beam Width	72 °	52 °	35 °	32 °
VSWR	<1.5	<1.5	<1.5	<1.5
Front to back ratio	>15dB	>15dB	>15dB	>15dB
Input Impedance	50 ohm	50 ohm	50 ohm	50 ohm
Input Maximum Power	200 W	200 W	200 W	200 W
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground
Connector	N female or customized	N female or customized	N female or customized	N female or customized
Size	450mm	820mm	1200mm	1500mm
Antenna Material	Alu alloy	Alu alloy	Alu alloy	Alu alloy
Antenna Structure	5 units	7 units	9 units	12 units
Operating Temperature	-40to 85 ° C (-40to 185 ° F)	-40to 85 ° C (-40to 185 ° F)	-40to 85 ° C (-40to 185 ° F)	-40to 85 ° C (-40to 185 ° F)
Diameter of Installation Pole	1.2-2.3in. (30-55mm)	1.2-2.3in. (30-55mm)	1.2-2.3in. (30-55mm)	1.2-2.3in. (30-55mm)
Weight	1.32 lbs. (0.6 kg)	1.76 lbs. (0.8 kg)	2.2 lbs. ( 1 Kg)	3.3 lbs. (1.5kg)
Wind Loading: 100MPH	10lb.	15lb.	25lb.	58lb.



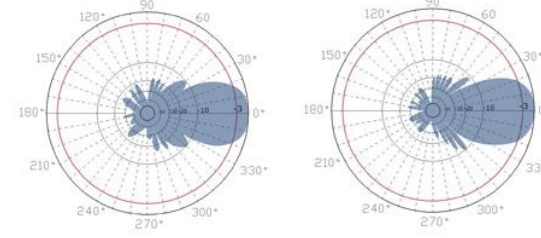
**ZDADJ450-8YG Patterns**



**ZDADJ450-10YG Patterns**



**ZDADJ450-12YG Patterns**



**ZDADJ450-14YG Patterns**