

# ANT-PATCH-12

## 2.4 GHz 12 dB Gain Patch Antennas

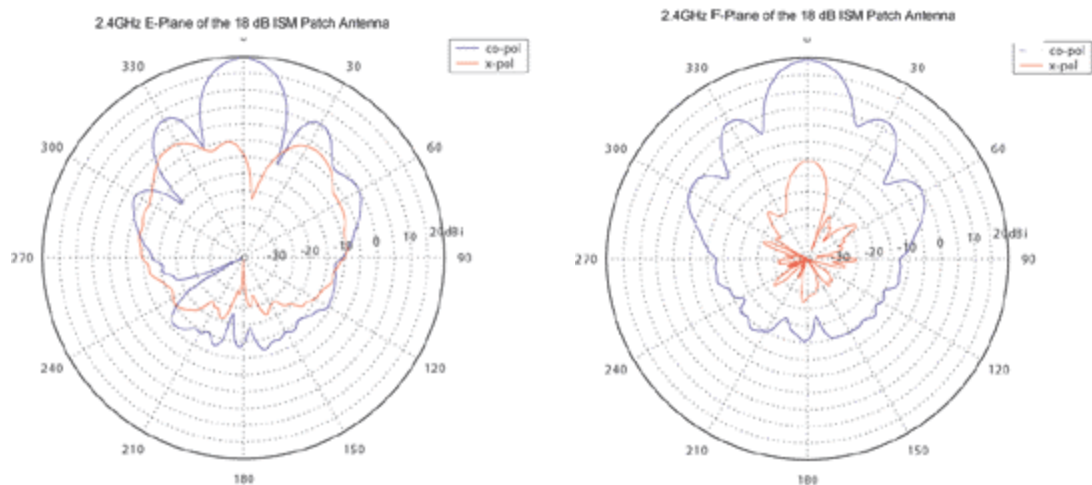
For wireless LAN and ISM band applications

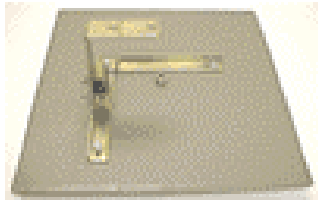
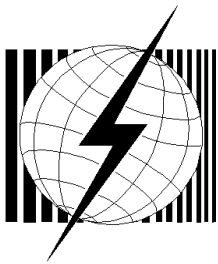
### Advantages

- Superior performance due to excellent Cross Pole patterns.
- Flat design provides high efficiency and low back lobes with minimal depth dimension.
- Easy to install Ball Mount Bracket.
- Light weight design saves on shipping costs.
- Broad beam width option allows wide area coverage.

Electrical		Mechanical	
Gain,	min 12 dB	Weight (+ mount)	2 lb
Horizontal beamwidth	38 °	Width – in (cm)	8.5 (21.6)
Vertical beamwidth	38 °	Height – in (cm)	8.5 (21.6)
Front/Back Ratio	>30dB	Depth – in (cm)	1.125 (2.8)
Polarity	Linear	Lateral thrust@100MPH	10 (22)
VSWR	1.5:1	Torsional moment @100MPH with Standard Mount-ft/lbs	(m/kg) 0.2 (0.22)
Cross polarization	>30dB	Wind loading –in2 (cm2)	72 (466)
Input Power	100 Watts		
Connector	N Female		

### 2.4GHz E-Plane & H-Plane plot of the 12 dB ISM Panel Antenna





# ANT-PATCH-18

## 2.4 GHz 18 dB Gain Patch Antennas

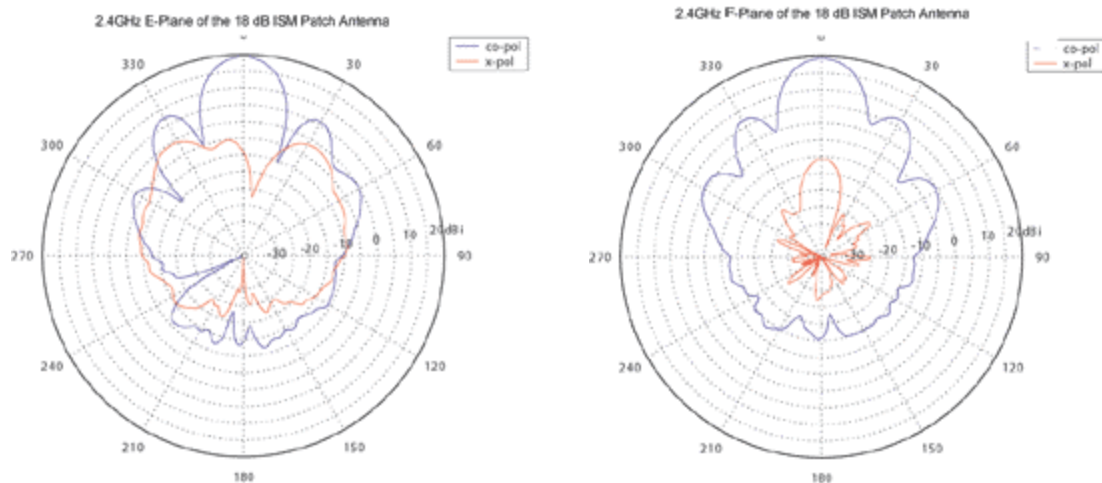
For wireless LAN and ISM band applications

### Advantages

- Superior performance due to excellent Cross Pole patterns.
- Flat design provides high efficiency and low back lobes with minimal depth dimension.
- Easy to install Ball Mount Bracket.
- Light weight design saves on shipping cost.
- Broad beam width option allows wide area coverage.

Electrical		Mechanical	
Gain:	min 18dB	Weight (+ mount) :	4 lb
Horizontal beamwidth:	18 °	Width – in (cm) :	15.5 (39.4)
Vertical beamwidth:	18 °	Height – in (cm) :	15.5 (39.4)
Front/Back Ratio:	>30dB	Depth – in (cm) :	1.125 (2.8)
Polarity:	Linear	Lateral thrust@100MPH:	15 (33)
VSWR:	1.5:1	Torsional moment @100MPH with Standard Mount-ft/lbs:	(m/kg) 0.4 (0.88)
Cross polarization:	>30dB	Wind loading –in2 (cm2):	240 (1552)
Input Power :	100 Watts		
Connector :	N Female		

2.4GHz E-Plane & H-Plane plot of the 18 dB ISM Panel Antenna



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