



## Band III 4 Dipoles Panel Especially Suitable For Square Masts Model: AT13-240

### Electrical Specifications

Frequency range	174-230 MHz		
Peak gain	10.5 dB (ref. $\lambda/2$ dipole)		
3 dB beam width	E-plane: 69°	H-plane: 25°	
Polarization	Horizontal		
Impedance	50 Ohm		
VSWR	≤ 1.1:1		
Maximum power handling peak sync	2 KW	3.5 KW	6 KW
Maximum power handling RMS	1.4 KW	2.5 KW	4.2 KW
Connector type	DIN 7/16	EIA 7/8"	DIN 13/30
Pressurization	Non pressurized	Gas barrier on input connector	

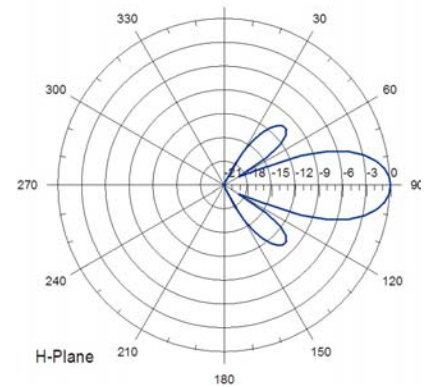
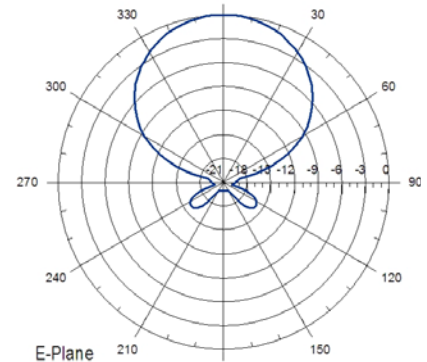


### Mechanical & Environmental Specifications

Materials	Reflector & dipoles Feed points radome	Hot dip galvanized steel Fiberglass
Dimensions (W x D x H)	1250 x 500 x 2900 mm	
Maximum wind speed	200 Km/h	
Wind load (front)	1590 N (@160 Km/h)	
Wind load (lateral)	950 N (@160 Km/h)	
Weight	68 Kg	
Typical mounting	Square arrangement tower	
Clamp type	To Ø 80 – 115 mm pipe	
Vertical spacing	3200 mm	
Grounding	DC grounded	
Temperature range	-40°C to +80°C	
Humidity	100%	

### Antenna System Characteristics

Number of Bays	Number ant. per bay	Peak gain (dBd)	Weight (Kg)	Wind load (@160 Km/h)	System height (mm)
1	2	8.5	136	2.5 KN	2900
	3	6.7	204	3.5 KN	
	4	5.5	272	4.3 KN	
2	2	11.5	272	5.1 KN	6100
	3	9.7	408	7.0 KN	
	4	8.5	544	8.5 KN	
4	2	14.5	544	10.1 KN	12500
	3	12.7	816	13.9 KN	
	4	11.5	1088	17.1 KN	
6	2	16.3	816	15.2 KN	18900
	3	14.5	1224	20.9 KN	
	4	13.3	1632	25.6 KN	
8	2	17.5	1088	20.2 KN	25300
	3	15.7	1632	27.8 KN	
	4	14.5	2176	34.2 KN	



**NOTES:**

- Table supplies data up to 8 bays only for simplification purposes; systems with more bays are available.
- Null fill, beam tilt, harness & feeder losses NOT INCLUDED.

- Wind load & weight figures without considering cables, splitters & hardware

