

Band II 2 dipoles horizontal polarization panel • Especially suitable for square masts

Electrical Specifications

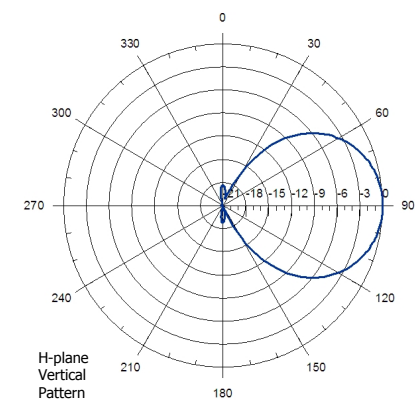
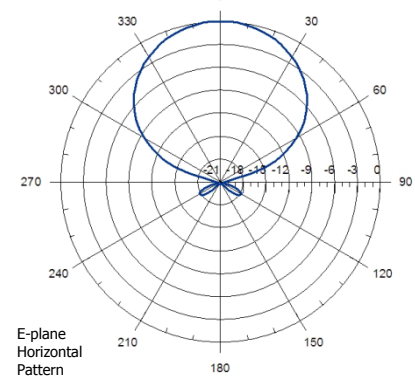
Frequency range	87.5-108 MHz		
Peak gain	7.5 dB (ref. $\cdot/2$ dipole)		
3 dB beam width	E-plane: 70°	H-plane: 55°	
Polarization	Horizontal		
Impedance	50 Ohm		
VSWR	≤1.2:1		
Maximum power handling	2.5 kW	5 kW	7 kW
Connector type	DIN 7/16	EIA 7/8"	DIN 13/30
Pressurization	Non pressurized	Gas barrier on input connector	

Mechanical & Environmental Specifications

Materials	Reflector & dipoles Feed points radome	Hot dip galvanized steel Fiberglass
Dimensions (W x D x H)	1700 x 781 x 2214 mm	
Maximum wind speed	200 km/h	
Wind load (front)	1626 N (@160 km/h)	
Wind load (lateral)	740 N (@160 km/h)	
Weight	58 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	6.0	116	2.4 kN	2214
	3	4.2	174	3.1 kN	
	4	3.0	232	3.9 kN	
2	2	9.0	232	4.7 kN	5414
	3	7.2	348	6.2 kN	
	4	6.0	464	7.8 kN	
4	2	12.0	464	9.5 kN	11814
	3	10.3	696	12.4 kN	
	4	9.0	928	15.7 kN	
6	2	13.8	696	14.2 kN	18214
	3	12.0	1044	18.6 kN	
	4	10.8	1392	23.5 kN	
8	2	15.0	928	18.9 kN	24614
	3	13.3	1392	24.8 kN	
	4	12.0	1856	31.4 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.