

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

Electrical Specifications

Frequency range	87.5-108 MHz		
Peak gain	7.0 dB (ref. $\lambda/2$ dipole)		
3 dB beam width	E-plane: 78°	H-plane: 60°	
Polarization	Horizontal		
Impedance	50 Ohm		
VSWR	≤1.22:1		
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	

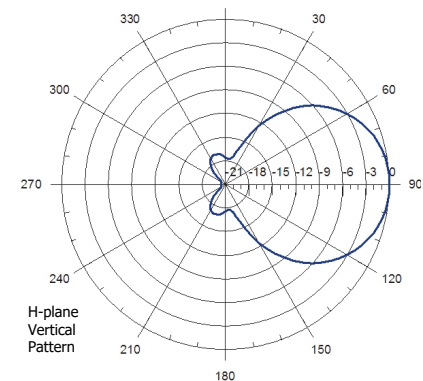
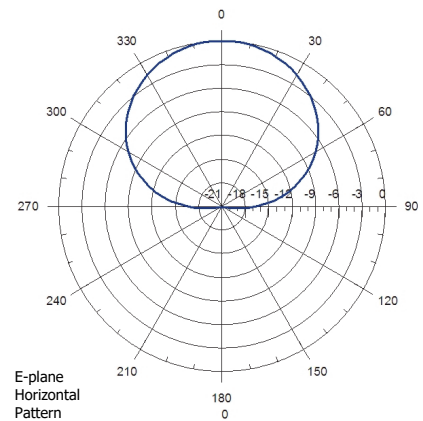


Mechanical & Environmental Specifications

Materials	Structure Feed points radome	Hot dip galvanized steel Fiberglass
Dimensions (W x D x H)	1700 x 800 x 2214 mm	
Maximum wind speed	200 km/h	
Wind load (front)	1515 N (@160 km/h)	
Wind load (lateral)	796 N (@160 km/h)	
Weight	65 kg	
Typical mounting	Triangular 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	4.0	130	2.9 kN	2214
	3	2.2	195	4.4 kN	
2	2	7.0	260	5.8 kN	5414
	3	5.2	390	8.8 kN	
4	2	10.0	520	11.6 kN	11814
	3	8.3	780	17.6 kN	
6	2	11.8	780	17.4 kN	18214
	3	10.0	1170	26.5 kN	
8	2	13.0	1040	23.1 kN	24614
	3	11.3	1560	35.3 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.