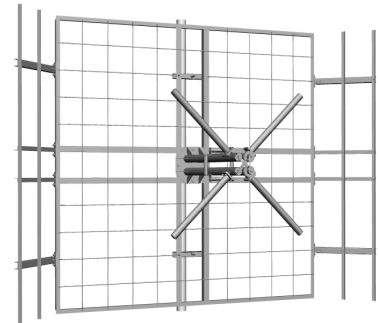


Band II 2 crossed dipoles circular/elliptical polarization panel • Especially suitable for square masts

Electrical Specifications

Frequency range	87.5-108 MHz		
Peak gain	6.5 dB (ref. $\lambda/2$ dipole)		
3 dB beam width	Horizontal: 68°	Vertical: 84°	
Polarization	Circular / Elliptical		
Impedance	50 Ohm		
VSWR	≤ 1.1:1 (with circular polarization)		
Maximum power handling (per connector)	5 kW (2.5 kW)	10 kW (5 kW)	14 kW (7 kW)
Connector type (2 per antenna)	2 x DIN 7/16	2 x EIA 7/8"	2 x DIN 13/30
Pressurization	Non pressurized	Gas barrier on input connector Fully pressurized as an option	

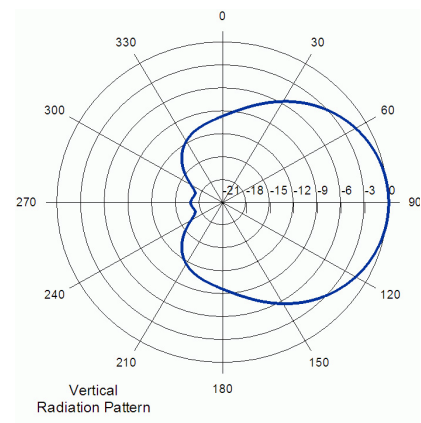
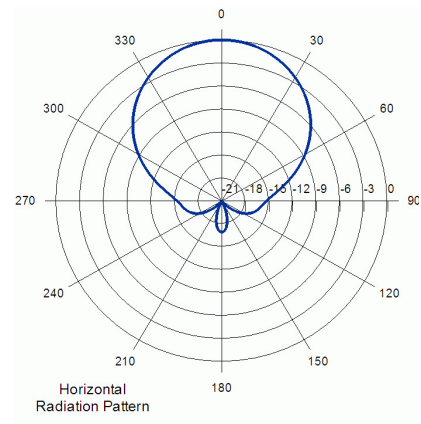


Mechanical & Environmental Specifications

Materials	Hot dip galvanized steel
Dimensions (W x D x H)	2900 x 1013 x 2200 mm
Maximum wind speed	200 km/h
Wind load (front)	1970 N (@160 km/h)
Wind load (lateral)	1410 N (@160 km/h)
Weight	90 kg
Typical mounting	Square arrangement tower
Clamp type	To Ø 80 – 115 mm pipe
Vertical spacing	2850 mm typical
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	3.5	180	3.4 kN	2200
	3	1.7	270	4.8 kN	
	4	0.5	360	5.8 kN	
2	2	6.5	360	6.8 kN	5050
	3	4.7	540	9.6 kN	
4	4	3.5	720	11.6 kN	10750
	2	9.5	720	13.5 kN	
6	4	6.5	1440	23.1 kN	16450
	2	11.3	1080	20.3 kN	
8	3	9.5	1620	28.7 kN	22150
	4	8.3	2160	34.7 kN	
	2	12.5	1440	27.0 kN	
	4	9.5	2880	46.2 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.

The above specified gain must be understood for circular polarization