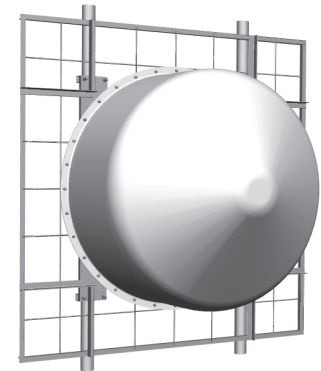


Band II 2 crossed dipoles circular/elliptical polarization panel • Especially suitable for triangular masts
 For extreme weather conditions (radome protected)

Electrical Specifications

Frequency range	87.5-108 MHz		
Peak gain	4.5 dB (ref. $\lambda/2$ dipole)		
3 dB beam width	Horizontal: 92°	Vertical: 92°	
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	
	Pressurized up to balun as an option		

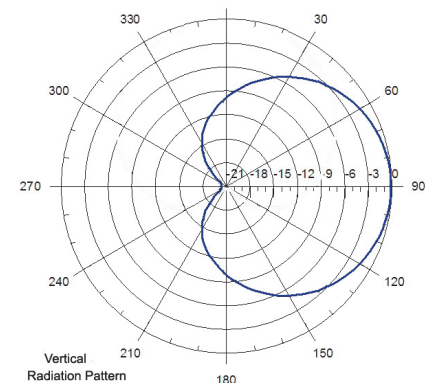
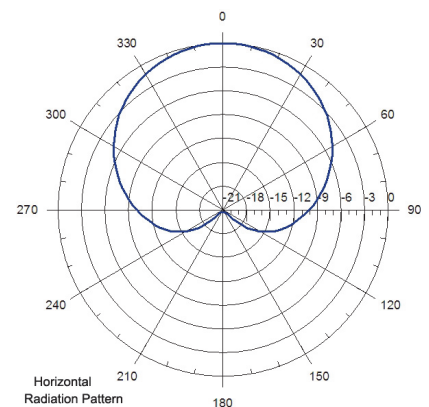


Mechanical & Environmental Specifications

Materials	Reflector & dipoles Radome	Hot dip galvanized steel Fiberglass
Dimensions (W x D x H)	2000 x 1028 x 2000 mm	
Maximum wind speed	200 km/h	
Wind load (front)	2418 N (@160 km/h)	
Wind load (lateral)	1738 N (@160 km/h)	
Weight	124 kg	
Typical mounting	Triangular arrangement tower	
Clamp type	To Ø 80 – 115 mm pipe	
Vertical spacing	2800 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	2.6	248	5.1 kN	2000
	3	0.4	372	7.8 kN	
2	2	5.6	496	10.3 kN	4800
	3	3.4	744	15.7 kN	
4	2	8.6	992	20.5 kN	10400
	3	6.4	1488	31.4 kN	
6	2	10.4	1488	30.8 kN	16000
	3	8.2	2232	47.1 kN	
8	2	11.6	1984	41.1 kN	21600
	3	9.4	2976	62.8 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