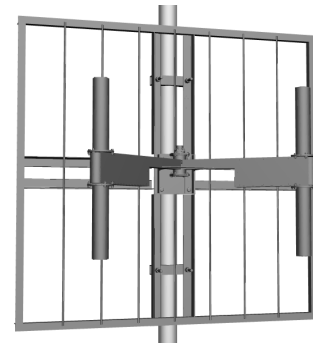


Band III 2 dipoles vertical polarization panel • Especially suitable for square masts

Electrical Specifications

Frequency range	174-230 MHz		
Peak gain	7.5 dB (ref. $\lambda/2$ dipole)		
3 dB beam width	E-plane: 69°	H-plane: 59°	
Polarization	Vertical		
Impedance	50 Ohm		
VSWR	≤ 1.15:1		
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	

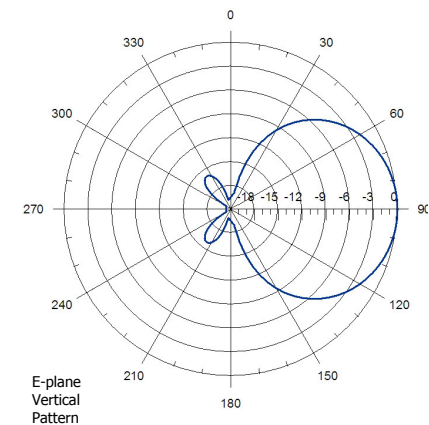
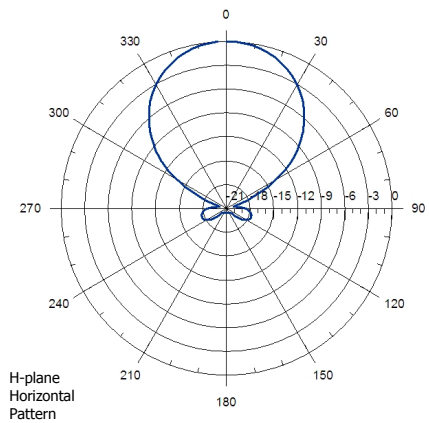


Mechanical & Environmental Specifications

Materials	Reflector & dipoles Feed points radome	Hot dip galvanized steel Fiberglass
Dimensions (W x D x H)	1300 x 500 x 1250 mm	
Maximum wind speed	200 km/h	
Wind load (front)	793 N (@160 km/h)	
Wind load (lateral)	392 N (@160 km/h)	
Weight	38 kg	
Typical mounting	Square arrangement tower	
Clamp type	To Ø 80 – 115 mm pipe	
Vertical spacing	1600 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	4.5	76	1.2 kN	1250
	3	2.7	114	1.6 kN	
	4	1.5	152	2.0 kN	
2	2	7.5	152	2.4 kN	2850
	3	5.7	228	3.2 kN	
	4	4.5	304	3.9 kN	
4	2	10.5	304	4.7 kN	6050
	3	8.7	456	6.3 kN	
	4	7.5	608	7.9 kN	
6	2	12.3	456	7.1 kN	9250
	3	10.5	684	9.5 kN	
	4	9.3	912	11.8 kN	
8	2	13.5	608	9.5 kN	12450
	3	11.7	912	12.6 kN	
	4	10.5	1216	15.8 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.

TV VHF