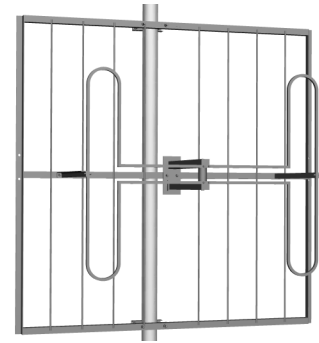


Band III 2 dipoles vertical polarization panel • Especially suitable for square masts  
Light construction

### Electrical Specifications

Frequency range	174-230 MHz	
Peak gain	7.5 dB (ref. $\lambda/2$ dipole)	
3 dB beam width	E-plane: 66°	H-plane: 61°
Polarization	Vertical	
Impedance	50 Ohm	
VSWR	≤1.15:1	
Maximum power handling peak sync	2 kW	
Maximum power handling RMS	1.4 kW	
Connector type	DIN 7/16	
Pressurization	Non pressurized	

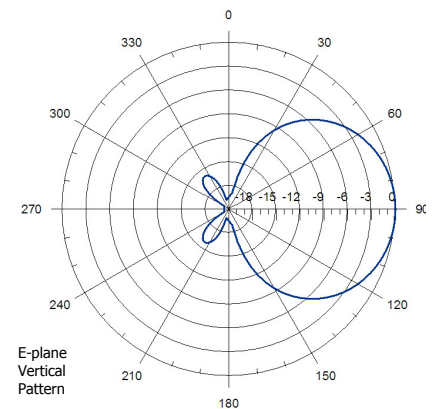
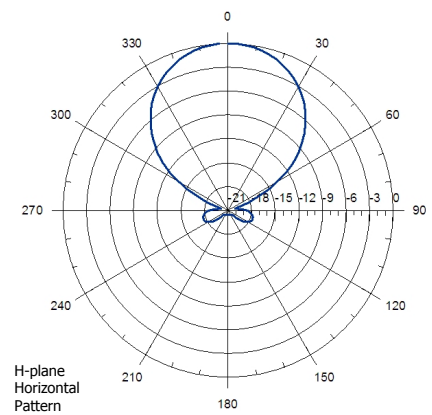


### Mechanical & Environmental Specifications

Materials	Reflector & dipoles	Hot dip galvanized steel (Aluminium construction as option)
	Feed points radome	PTFE
Dimensions (W x D x H)	1200 x 440 x 1200 mm	
Maximum wind speed	200 km/h	
Wind load (front)	455 N (@160 km/h)	
Wind load (lateral)	240 N (@160 km/h)	
Weight	15 kg	
Typical mounting	Square arrangement tower	
Clamp type	To Ø 50 – 70 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	30	0.7 kN	1200
	3	2.7	45	0.9 kN	
	4	1.5	60	1.2 kN	
2	2	7.5	60	1.4 kN	2800
	3	5.7	90	1.9 kN	
	4	4.5	120	2.3 kN	
4	2	10.5	120	2.8 kN	6000
	3	8.7	180	3.7 kN	
	4	7.5	240	4.7 kN	
6	2	12.3	180	4.2 kN	9200
	3	10.5	270	5.6 kN	
	4	9.3	360	7.0 kN	
8	2	13.5	240	5.6 kN	12400
	3	11.7	360	7.5 kN	
	4	10.5	480	9.3 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.

TV VHF