

Band IV/V vertical polarization panel • Especially suitable for square masts

### Electrical Specifications

Frequency range	470-862 MHz			
Peak gain	11.05 dB (ref. $\lambda/2$ dipole)			
3 dB beam width	E-plane: 27°		H-plane: 62°	
Polarization	Vertical			
Impedance	50 Ohm			
VSWR	≤ 1.15:1			
Maximum power handling peak sync	1.4 kW	3.5 kW	4.2 kW	6.5 kW
Maximum power handling RMS	1 kW	2.5 kW	3 kW	4.5 kW
Connector type	DIN 7/16	EIA 7/8"	DIN 13/30	EIA 1 5/8"
Pressurization	Non pressurized	Gas barrier on input connector		



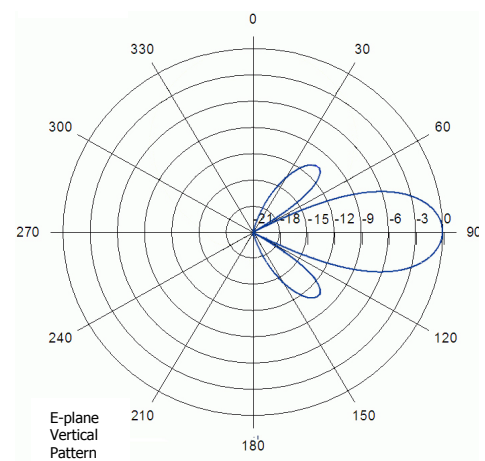
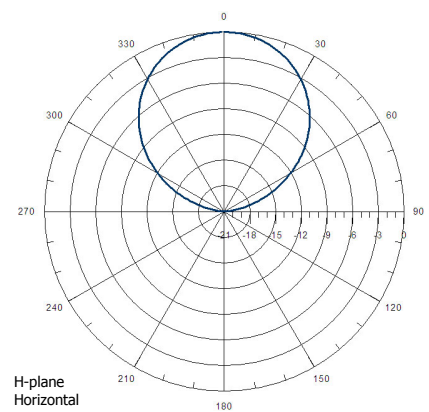
TV UHF

### Mechanical & Environmental Specifications

Materials	Reflector & radiating elements Radome Radome colour	Aluminium Fiberglass Red or white on request
Dimensions (W x D x H)	483 x 264 x 983 mm	
Maximum wind speed	220 km/h	
Wind load (front)	743 N (@160 km/h)	
Wind load (lateral)	258 N (@160 km/h)	
Weight	9 kg (model with DIN 7/16 connector)	
Typical mounting	Several combinations depending on the radiation pattern required (square typical)	
Vertical spacing	1000 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	8.1	18	1.1 kN	1000
	3	6.3	27	1.6 kN	
	4	5.0	36	1.5 kN	
2	2	11.1	36	2.2 kN	2000
	3	9.3	54	3.2 kN	
4	2	14.1	96	4.4 kN	4000
	3	12.3	108	6.4 kN	
6	2	15.8	108	6.6 kN	6000
	3	14.1	162	9.6 kN	
	4	12.8	216	9.3 kN	
8	2	17.1	144	8.8 kN	8000
	3	15.3	216	12.8 kN	
	4	14.1	288	12.4 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