

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

Electrical Specifications

Frequency range	470-862 MHz			
Peak gain	11.50 dB (ref. $\lambda/2$ dipole)			
3 dB beam width	E-plane: 61°		H-plane: 26°	
Polarization	Slant (typical 80%H / 20%V)			
Impedance	50 Ohm			
VSWR	≤1.1:1 typical (≤1.13:1 max)			
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		



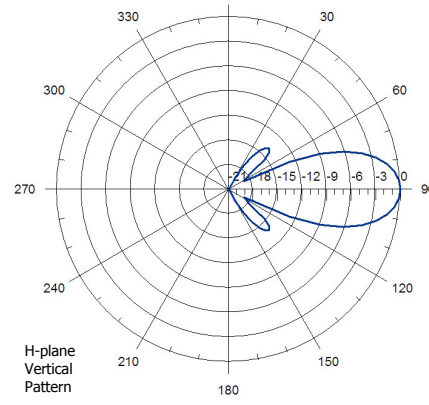
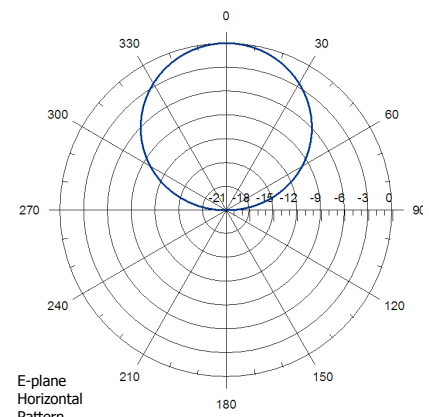
TV UHF

Mechanical & Environmental Specifications

Materials	Reflector & radiating elements Radome Radome colour	Aluminium (Stainless steel available on request) 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)	215 N (@160 km/h)	
Weight	10 kg (model with DIN 7/16 connector)	
Typical mounting	Square arrangement tower	
Vertical spacing	1100 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	8.5	20	1.0 kN	1094
	3	6.8	30	1.2 kN	
	4	5.5	40	1.4 kN	
2	2	11.5	40	1.9 kN	2194
	3	9.8	60	2.3 kN	
4	4	8.5	80	2.8 kN	4394
	2	14.5	80	3.8 kN	
	3	12.8	120	4.7 kN	
	4	11.5	160	5.7 kN	
6	2	16.3	120	5.8 kN	6594
	3	14.5	180	7.0 kN	
	4	13.3	240	8.5 kN	
8	2	17.6	160	7.7 kN	8794
	3	15.8	240	9.4 kN	
	4	14.5	320	11.4 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.

Specified gain must be understood for the ratio 80%H / 20%V