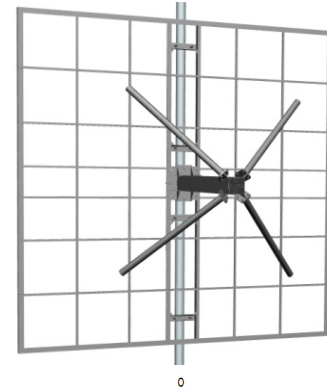


Band I 2 crossed dipoles circular/elliptical polarization panel • Especially suitable for triangular masts

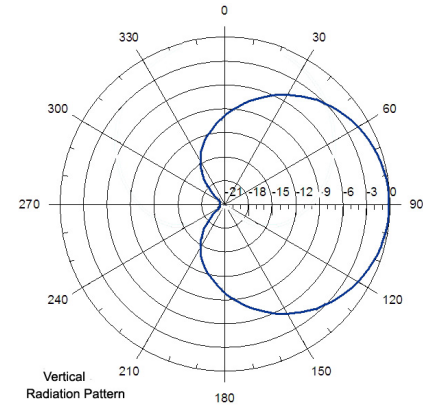
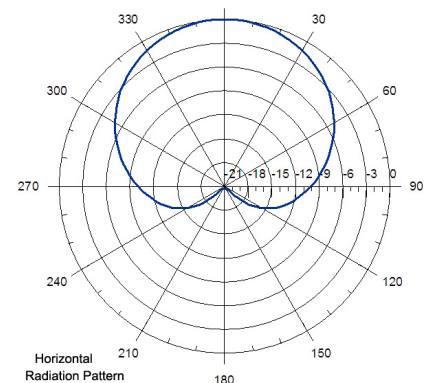
Electrical Specifications

Frequency range	54-88 MHz		
Peak gain	4.5 dB (ref. $\lambda/2$ dipole)		
3 dB beam width	E-plane: 92°	H-plane: 92°	
Polarization	Circular		
Impedance	50 Ohm		
VSWR	≤1.1:1 (with circular polarization)		
Maximum power handling peak sync. (per connector)	6 kW (3 kW)	10 kW (6 kW)	22 kW (11 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 Fully pressurized as an option	



Mechanical & Environmental Specifications (Channel 4)

Materials	Hot dip galvanized steel
Dimensions (W x D x H)	2590 x 1351 x 2590 mm
Maximum wind speed	200 km/h
Wind load (front)	1600 N (@160 km/h)
Wind load (lateral)	610 N (@160 km/h)
Weight	110 kg
Typical mounting	Triangular arrangement tower
Clamp type	To Ø 80 – 115 mm pipe
Vertical spacing	4200 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	1.8	220	2.9 kN	2590
	3	0.1	330	4.3 kN	
2	2	4.8	440	5.9 kN	6790
	3	3.1	660	8.5 kN	
4	2	7.8	880	11.7 kN	15190
	3	6.1	1320	17.1 kN	
6	2	9.6	1320	17.6 kN	23590
	3	7.8	1980	25.5 kN	
8	2	10.8	1760	23.4 kN	31990
	3	9.1	2640	34.1 kN	

NOTES:

- Null fill, beam tilt, harness & feeder losses NOT INCLUDED.
- Wind load & weight figures without considering cables, splitters & hardware.

TV VHF