

Band I 2 dipoles horizontal polarization panel • Especially suitable for triangular masts

Electrical Specifications

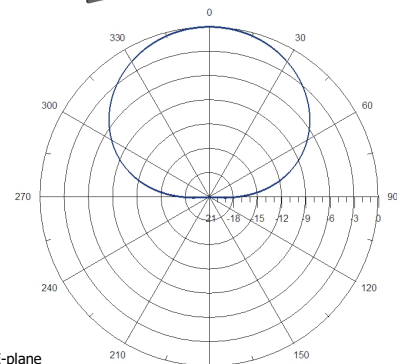
Frequency range	54 – 88 MHz	
Channels	2 – 4 FCC	3 – 5 FCC
	Individual FCC channels available on request	
Peak gain	7.0 dB (ref. $\lambda/2$ dipole)	
3 dB beam width	E-plane: 80°	H-plane: 62°
Polarization	Horizontal	
Impedance	50 Ohm	
VSWR	$\leq 1.2:1$	
Maximum power handling peak sync (per connector)	2 x 3 kW	2 x 6 kW
Connector type (2 per antenna)	2 x DIN 7/16	2 x EIA 7/8"
Pressurization	Non pressurized	Gas barrier on input connector

Mechanical & Environmental Specifications

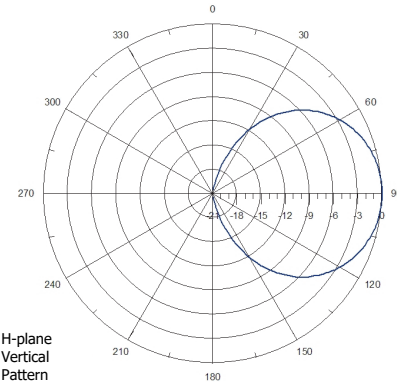
Channels	2 – 4 FCC	3 – 5 FCC	4 – 6 FCC
Materials	Hot dip galvanized steel		
	Fiberglass		
Dimensions (W x D x H)	2730 x 1425 x 3630 mm	2730 x 1313 x 3380 mm	2220 x 1208 x 3000 mm
Maximum wind speed	200 km/h		
Wind load @ 160 Km/h (front)	1793 N	1740 N	1593 N
Wind load @ 160 Km/h (lateral)	922 N	902 N	792 N
Weight	98	94	84
Typical mounting	Triangular arrangement tower		
Vertical spacing between dipoles	2550 mm	2310 mm	2005 mm
Grounding	DC grounded		
Temperature range	-40°C to +80°C		
Humidity	100%		

Antenna System Characteristics (Channel 2-4 Model)

Number of Bays	Number ant. per bay	Peak gain (dBd)	Weight (kg)	Wind load (@160 Km/h)	System height (mm)
1	2	4.0	196	3.5 kN	3630
	3	2.2	294	5.2 kN	
2	2	7.0	392	7.0 kN	8730
	3	5.2	588	10.4 kN	
4	2	10.0	784	13.9 kN	18930
	3	8.3	1176	20.7 kN	
6	2	11.8	1176	20.9 kN	29130
	3	10.0	1764	31.1 kN	
8	2	13.0	1568	27.9 kN	39330
	3	11.3	2352	41.4 kN	



E-plane Horizontal Pattern



H-plane Vertical Pattern

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.