

88-108 MHz

FM Band II

Band II Straight Dipole Panel

Model PAFM-SDP

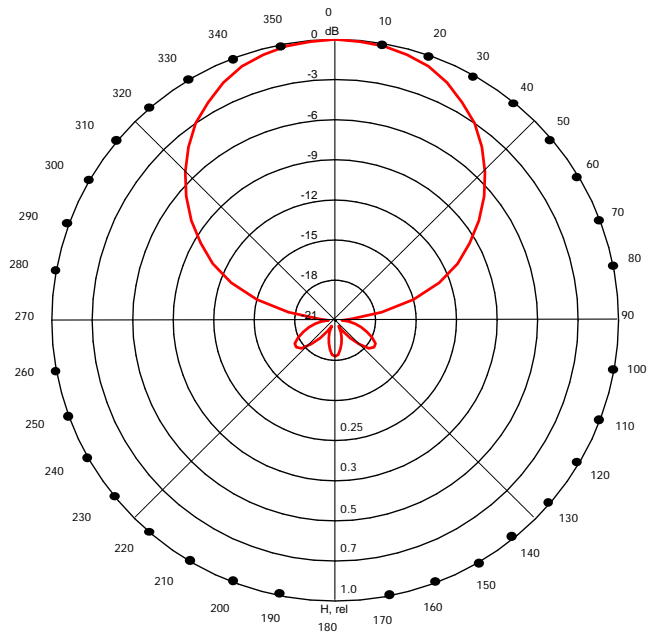


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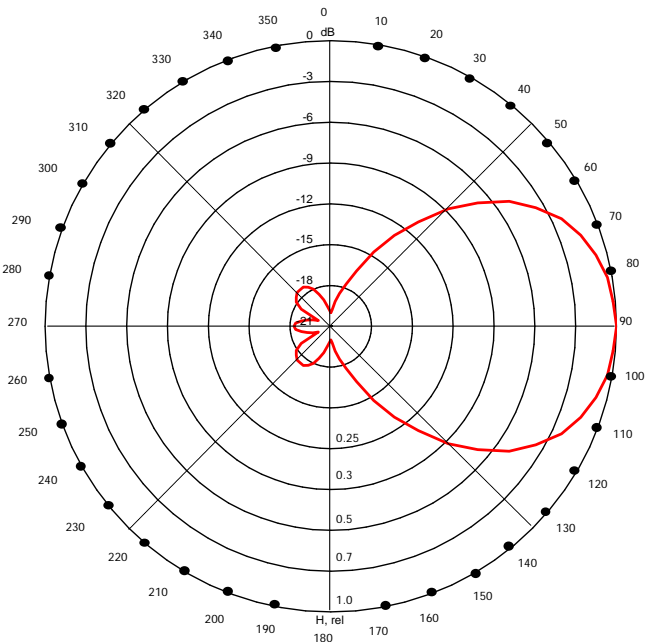
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Electrical



H pol - Horizontal Radiation Pattern (E-Plane)

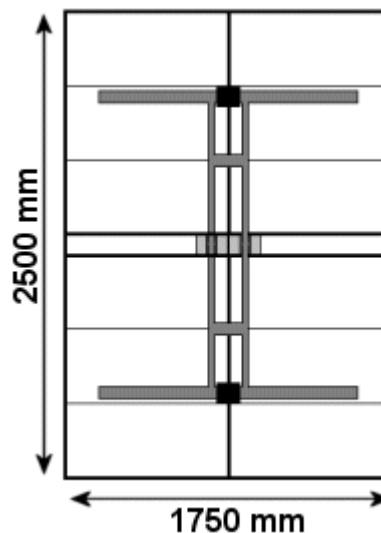


H pol - Vertical Radiation Pattern (H-Plane)

Frequency Range:	88-108 MHz
Input connector:	N female or 7-16 female
VSWR:	< 1.20
Gain:	7.5 dBd
Polarization:	Horizontal or Vertical
Impedance:	50 Ω
Max. input power:	3 kW
-3dB HPBW (E-Plane):	73 degrees
-3dB HPBW (H-Plane):	58 degrees

Mechanical

- Exterior material: Hot-dip galvanized steel
- Interior material: Machined brass and stainless steel
- Dimensions: 2500 mm X 1750 mm rear panel grid
- Grounding: Antenna and radiating elements are DC grounded for lightning protection
- Mounting clamps: HDG clamps are included for attachment to customer supplied mast of any OD. Please specify when ordering
- Icing protection: Antenna design and internal feed ensure reliable operation under extreme icing
- Shipping: The antenna is shipped disassembled



# of Bays	Panels per Bay	Total # of Panels	Gain (dBd)	Gain (Pr)	Weight (Kg)	Overall Height (meters)	Windload kN @ 160 km/h
1	2	2	5.0	3.16	90	2.5	2.0
	3	3	3.4	2.19	135		3.0
	4	4	2.0	1.58	180		3.6
2	2	4	8.0	6.31	180	5.7	4.0
	3	6	6.4	4.37	270		6.0
	4	8	5.0	3.16	360		7.2
3	2	6	9.8	9.55	270	8.9	6.0
	3	9	8.2	6.61	405		9.0
	4	12	6.8	4.79	540		10.8
4	2	8	11.0	12.59	360	12.1	8.0
	3	12	9.4	8.71	540		12.0
	4	16	8.0	6.31	720		14.4
6	2	12	12.8	19.05	540	18.5	12.0
	3	18	11.2	13.18	810		18.0
	4	24	9.8	9.55	1080		21.6
8	2	16	14.0	25.12	720	25.0	16.0
	3	24	12.4	17.38	1080		24.0
	4	32	11.0	12.59	1440		28.8

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Antenna Height { H } in Meters Antenna Spacing { S } in mm		
No of Bays	H	S
1	2.5	-
2	5.7	3200
3	8.9	3200
4	12.1	3200
6	18.5	3200
8	25.0	3200

