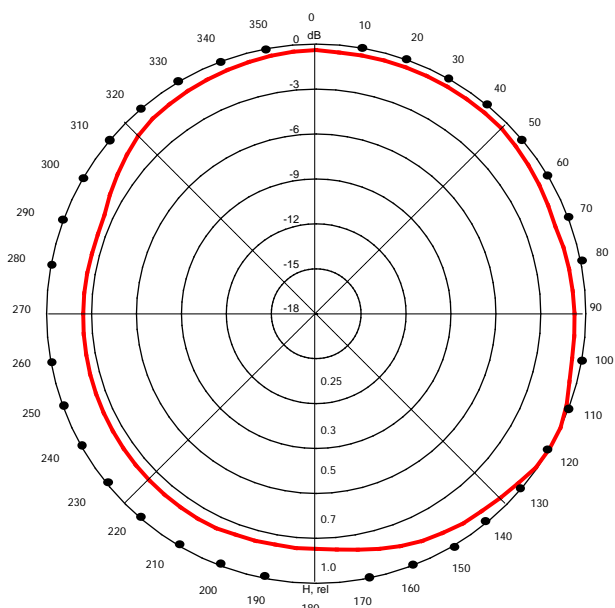


Model "PAFM-SDCPB"

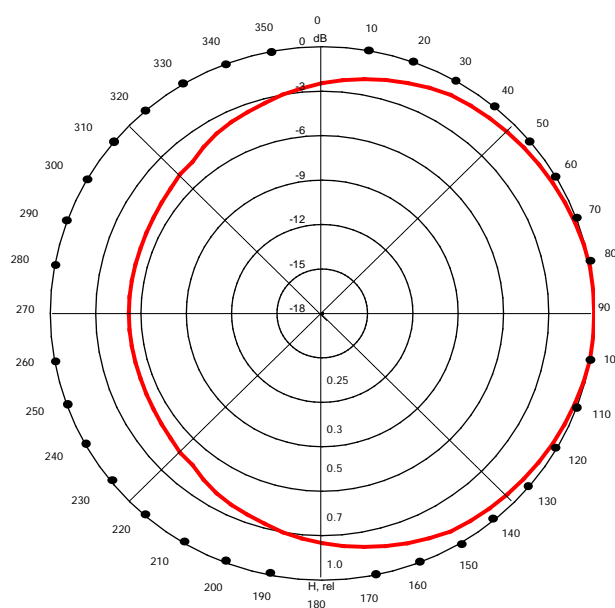


Circularly polarized Band II FM antenna covering the 88-108 MHz spectrum. The omnidirectional pattern and circular polarization make this antenna ideal for FM broadcasting in any urban environment. The antenna is composed of stainless steel with the option of removable elements for less shipping volume. A feed point radome and internal feed conductors allow this antenna to operate reliably under extreme icing conditions.

Electrical



Horizontal Pattern - Horizontal Polarization



Horizontal Pattern - Vertical Polarization

Frequency Range: 88-108 MHz

Input connector: N female or 7-16 DIN

VSWR: <1.25 in an array across 88-108 MHz

Gain: -1.5 dBd single bay

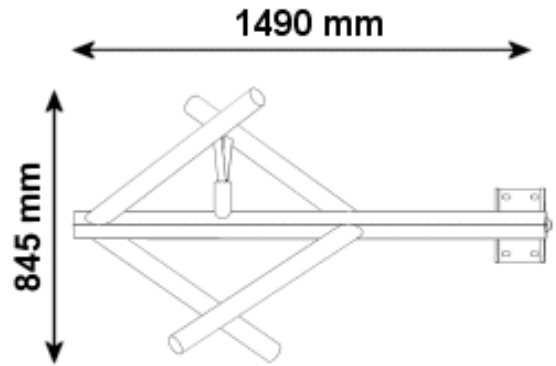
Polarization: Elliptical / Circular

Impedance: 50 Ω

Max. input power: 2 kW per antenna

Mechanical

- Exterior material: Stainless steel
- Interior material: Machined brass and stainless steel
- Dimensions: 1490 mm X 845 mm
- 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.



# of Bays	Gain (dBd)	Gain (Pr)	Weight (Kg)	Overall Height (meters)	Windload kN @ 160 km/h
1	-1.5	0.71	15	2.0	0.6
2	1.5	1.41	30	4.6	1.2
3	3.3	2.13	45	6.6	1.8
4	4.5	2.82	60	9.2	2.5
6	6.3	4.26	90	13.2	3.6
8	7.5	5.62	120	18.4	5.0
10	8.5	7.08	150	22.4	6.3
12	9.3	8.51	180	26.4	7.5
16	10.5	11.22	240	36.8	10.0

Antenna Height { H } in Meters Antenna Spacing { S } in mm		
No of Bays	H	S
1	2.0	-
2	4.6	2600
3	6.6	2600
4	9.2	2600
6	13.2	2600
8	18.4	2600
10	22.4	2600
12	26.4	2600
16	36.8	2600

