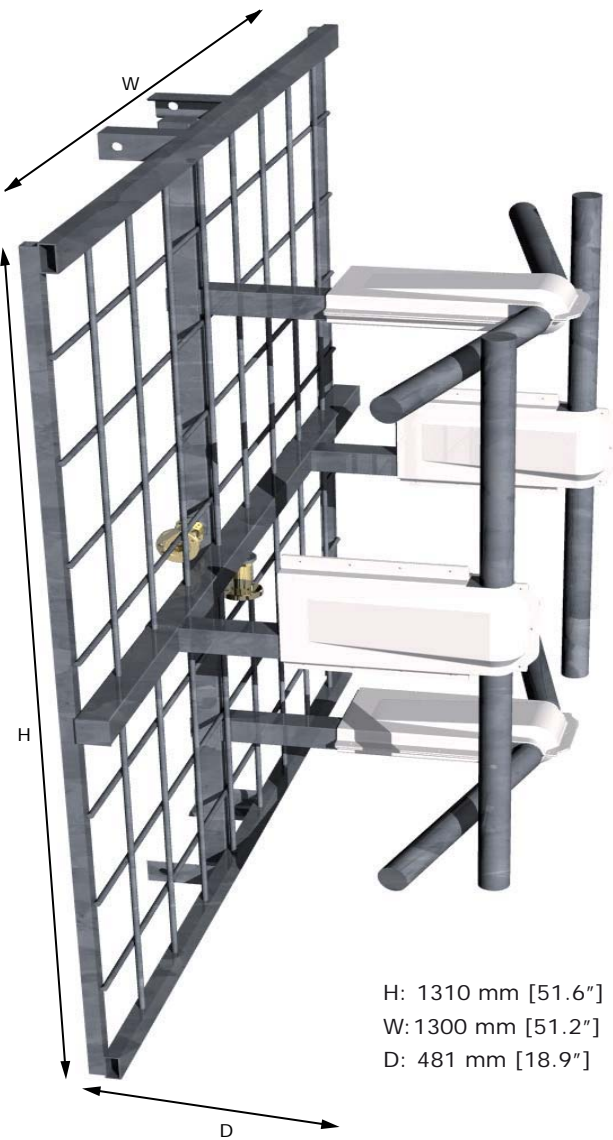


PVM74000-PVMX4000 VHF & DAB MIXED POL. 4 Dipoles Panel

VHF
Band III TV
DAB / DAB+

Operative Frequency
174 - 240 MHz

Input Size:
EIA 7/8" - DIN 7-16



H: 1310 mm [51.6"]
W: 1300 mm [51.2"]
D: 481 mm [18.9"]

ELECTRICAL CHARACTERISTICS

Frequency Range	H. Pol.: 174 - 223 MHz*
	V. Pol.: 174 - 240 MHz
Input impedance	50 OHM
Polarization	Horiz. Vert. Circ. Elliptical
Gain (Circular Pol.)	4.5 dBd (@ 200 MHz)
Gain (Linear Pol.)	7.5 dBd (@ 200 MHz)
VSWR	<1.1 (Circ. Pol.)
Max input Power PVM74000	3 kW (Input 7/8")
Max input Power PVMX4000	2 kW (Input 7-16)
* 230 MHz (on request)	

MECHANICAL CHARACTERISTICS

Input Connector PVM74000	2 X EIA 7/8"
Input Connector PVMX4000	2 X 7-16 DIN Female
Weight/Mass	412 N (42 Kg 93 lbs)
Wind loads (wind=160 Kph)	800 N (Front thrust) 655 N (Side thrust)
Max Wind (survival)	200 Kph
Operating temperature	-50°C to +70°C
Mounting	Tower face

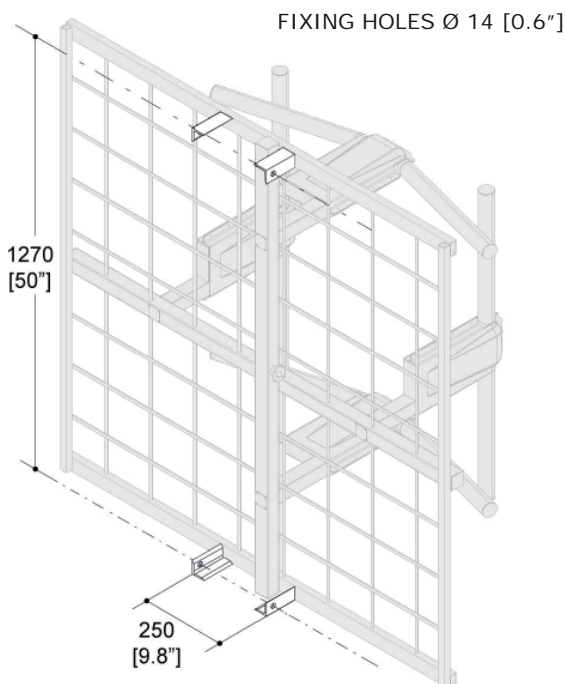
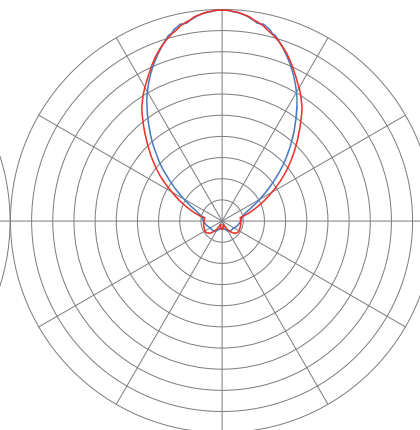
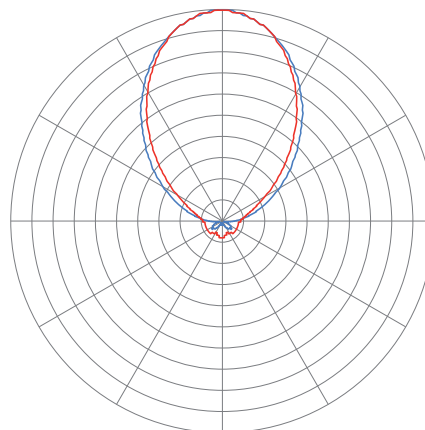
Materials

External parts/Brackets	Hot Dip Galvanized Steel
Internal Lines/ Dipoles	Silver Plated Alu/Brass
Hardware	Stainless Steel

RADIATION PATTERNS

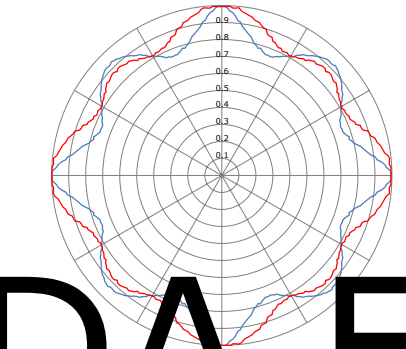
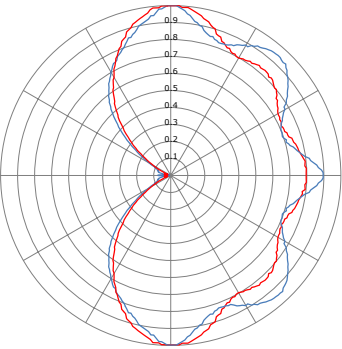
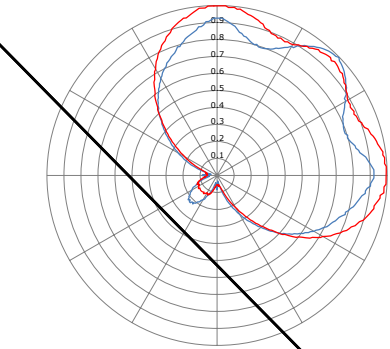
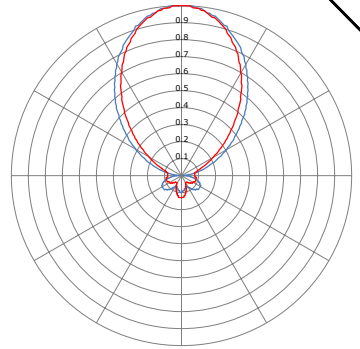
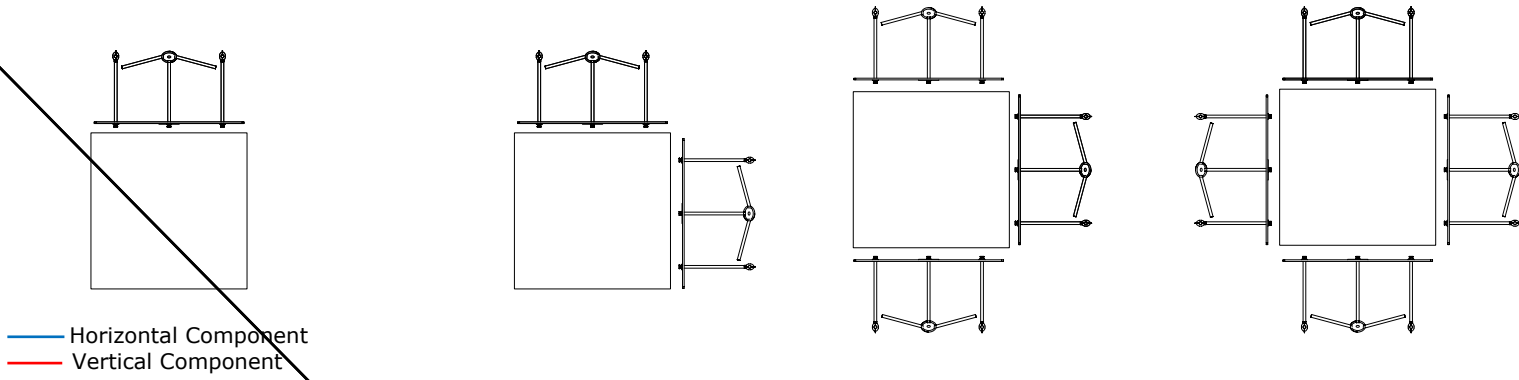
Horizontal Patterns
— Horizontal Component
— Vertical Component

Vertical Patterns
— Horizontal Component
— Vertical Component



PFM74000 FM 4 Dipoles Panel - Typical Antenna Systems Patterns

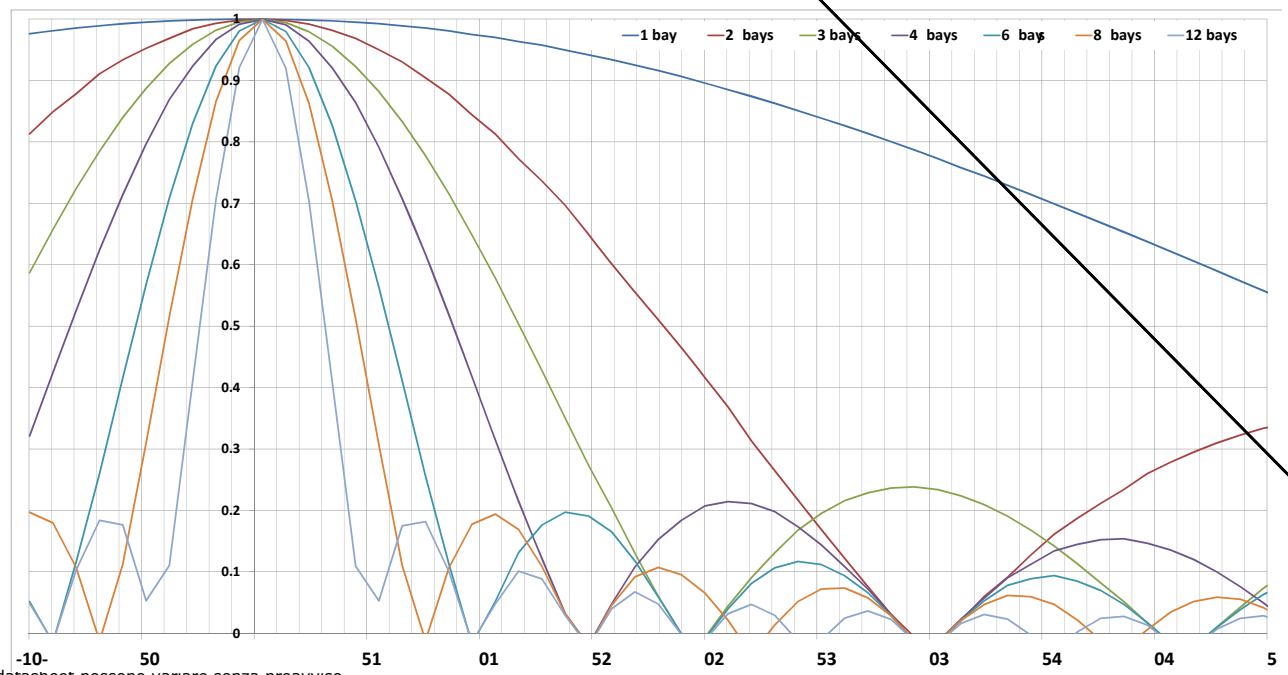
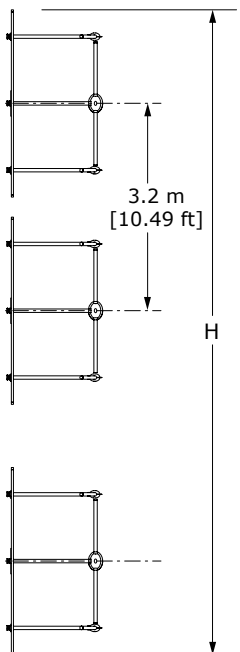
Arrays Data Table



DAF

1 Face				2 Faces				3 Faces				4 Faces			
Bays	Gain dBd	Height (H) m	Weight kg	Bays	Gain dBd Hpol.(Vpol.)	Height (H) m	Weight kg	Bays	Gain dBd Hpol.(Vpol.)	Height (H) m	Weight kg	Bays	Gain dBd Hpol.(Vpol.)	Height (H) m	Weight kg
1	7.5	2.2	62	1	5.2 (3.9)	2.2	148	1	3.6 (3.3)	2.2	222	1	2.2 (1.3)	2.2	296
2	10.5	5.4	124	2	8.2 (6.9)	5.4	296	2	6.6 (6.3)	5.4	444	2	5.2 (4.3)	5.4	592
3	12.3	8.6	186	3	9.9 (8.6)	8.6	444	3	8.2 (7.9)	8.6	666	3	7.0 (6.1)	8.6	888
4	13.5	11.8	248	4	11.2 (9.9)	11.8	592	4	9.6 (9.3)	11.8	888	4	8.2 (7.3)	11.8	1184
6	15.3	18.2	372	6	12.9 (11.6)	18.2	888	6	11.2 (10.9)	18.2	1332	6	10.0 (9.1)	18.2	1776
8	16.5	24.6	496	8	14.2 (12.9)	24.6	1184	8	12.6 (12.3)	24.6	1776	8	11.2 (10.3)	24.6	2368
12	18.3	37.4	744	12	15.9 (14.6)	37.4	1778	12	14.2 (13.9)	37.4	2664	12	13.0 (12.1)	37.4	3552

E/EM Vertical Radiation Patterns (VERTICAL POL.)



I dati contenuti nel presente datasheet possono variare senza preavviso
Data on this datasheet can vary without previous notice 09/21