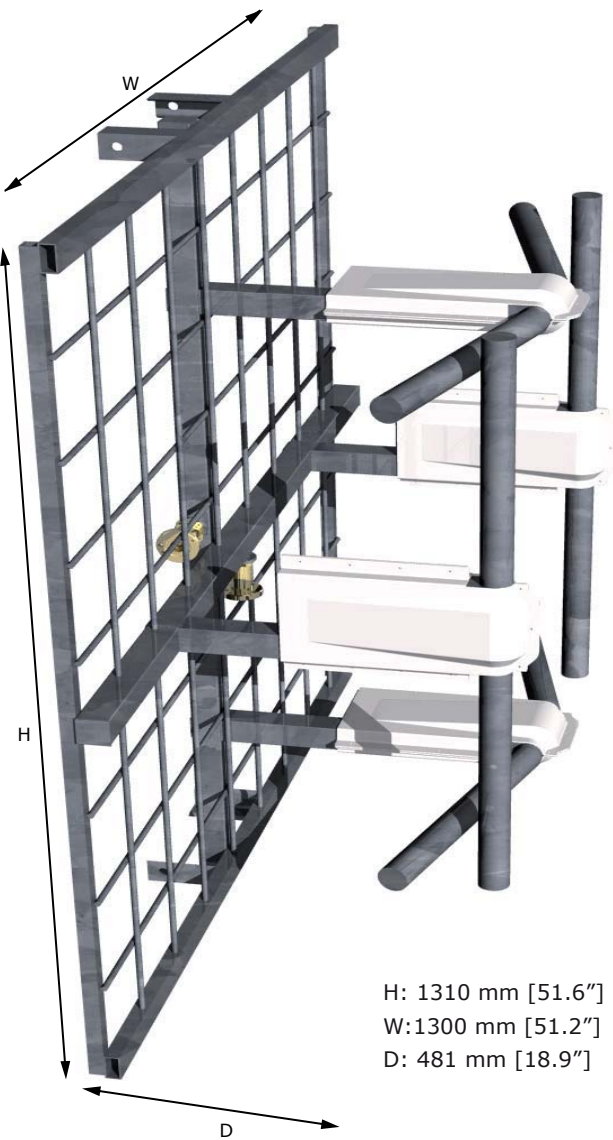


## PVM74000-PVMX4000 VHF & DAB MIXED POL. 4 Dipoles Panel

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 - 230 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)

### 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

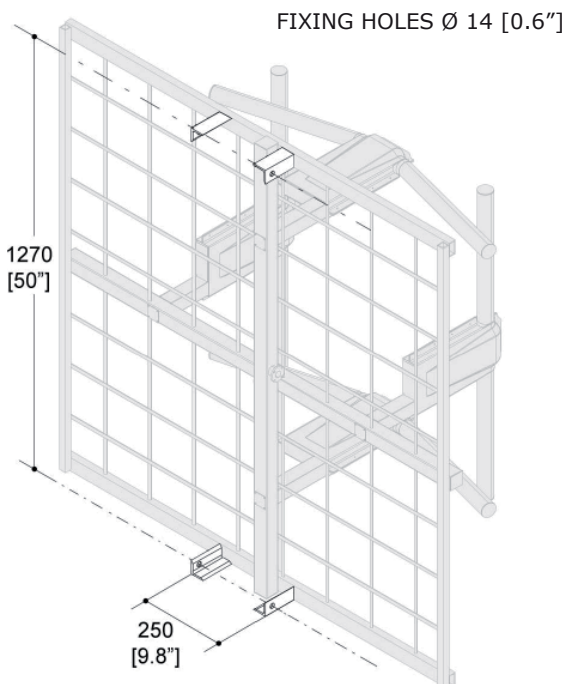
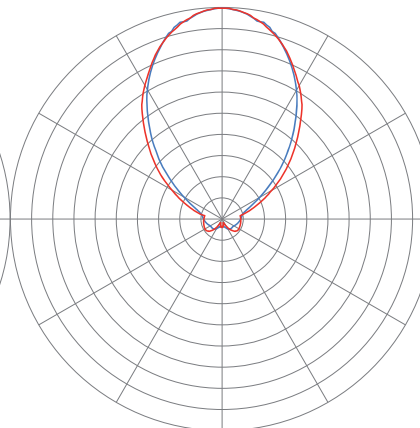
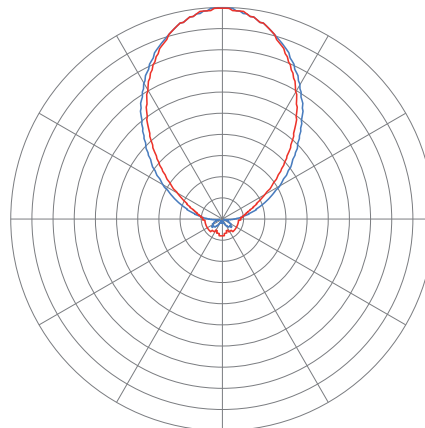
### Materials

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

### RADIATION PATTERNS

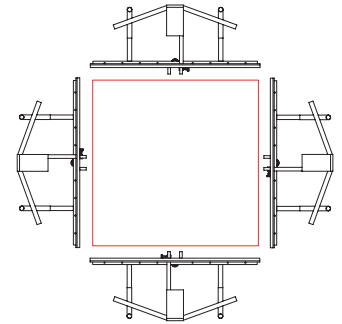
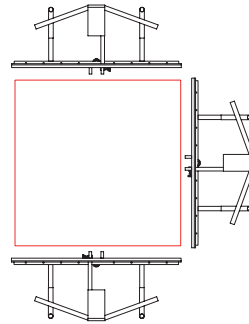
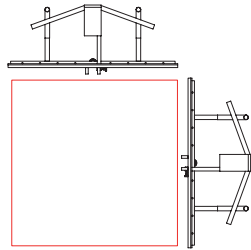
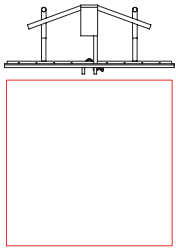
Horizontal Patterns  
— Horizontal Component  
— Vertical Component

Vertical Patterns  
— Horizontal Component  
— Vertical Component

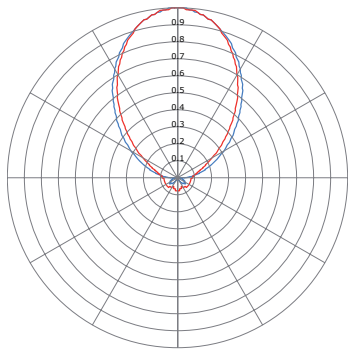


# PVM74000-PVMX4000 VHF & DAB Panels - Typical Antenna Systems Patterns

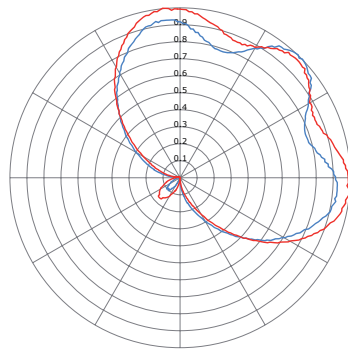
## Arrays Data Table



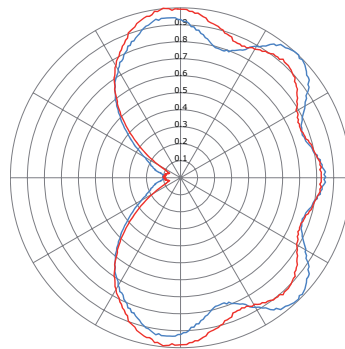
— Horizontal Component  
— Vertical Component



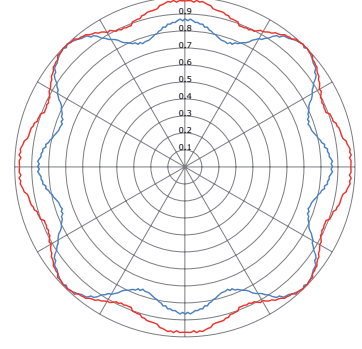
1 face



2 faces



3 faces



4 faces

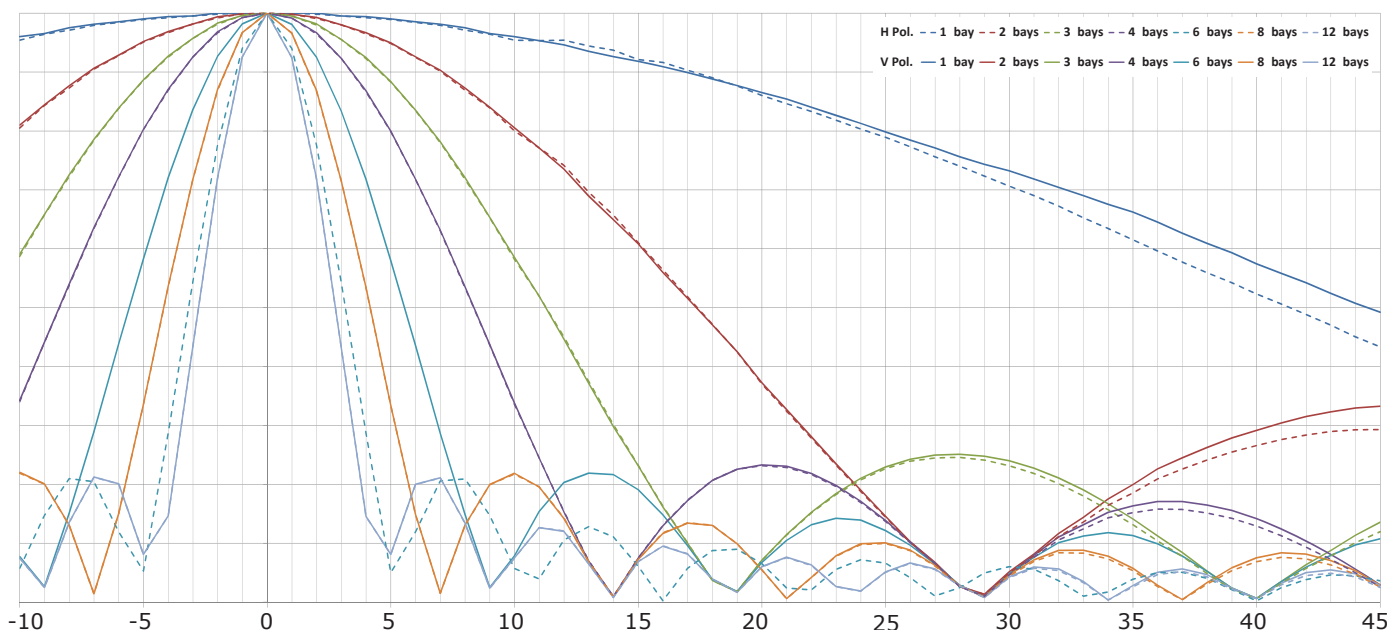
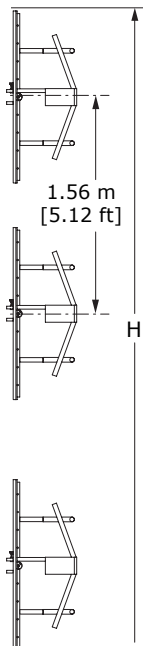
Bays #	Height H m	Gain dBd	Weight kg
1	1.31	7.5	84
2	2.87	10.5	168
3	4.18	12.3	252
4	5.49	13.5	336
6	8.11	15.3	504
8	10.73	16.5	672
12	15.97	18.3	1008

Gain dBd Pol.H (V)	Weight kg
4.5(3.6)	84
7.5(6.6)	168
9.3(8.4)	252
10.5(9.6)	336
12.3(11.4)	504
13.5(12.6)	672
15.3(14.4)	1008

Gain dBd Pol.H (V)	Weight kg
2.8(2.4)	126
5.8(5.4)	252
7.6(7.2)	378
8.8(8.4)	504
10.6(10.2)	756
11.8(11.4)	1008
13.6(13.2)	1512

Gain dBd Pol.H (V)	Weight kg
1.5(0.6)	168
4.5(3.6)	336
6.3(5.4)	504
7.5(6.6)	672
9.3(8.4)	1008
10.5(9.6)	1344
12.3(11.4)	2016

## E/EM Vertical Radiation Patterns



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

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