

PUH72000-PUHX2000 UHF HORIZONTAL / VERTICAL POL. 2 DIPOLES PANEL



UHF
Band IV-V TV

Operative Frequency
470 - 860 MHz

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

ELECTRICAL CHARACTERISTICS

Frequency Range	470 - 860 MHz
Input impedance	50 OHM
Polarization	Horizontal/Vertical
Gain	8.5 dBd (@ 650 MHz)
VSWR	<1.13 (Typical)
Max input Power PUH72000	2.5 (@650 MHz)
Max input Power PUX72000	1.0 (@650 MHz)

all metal parts are ground connected

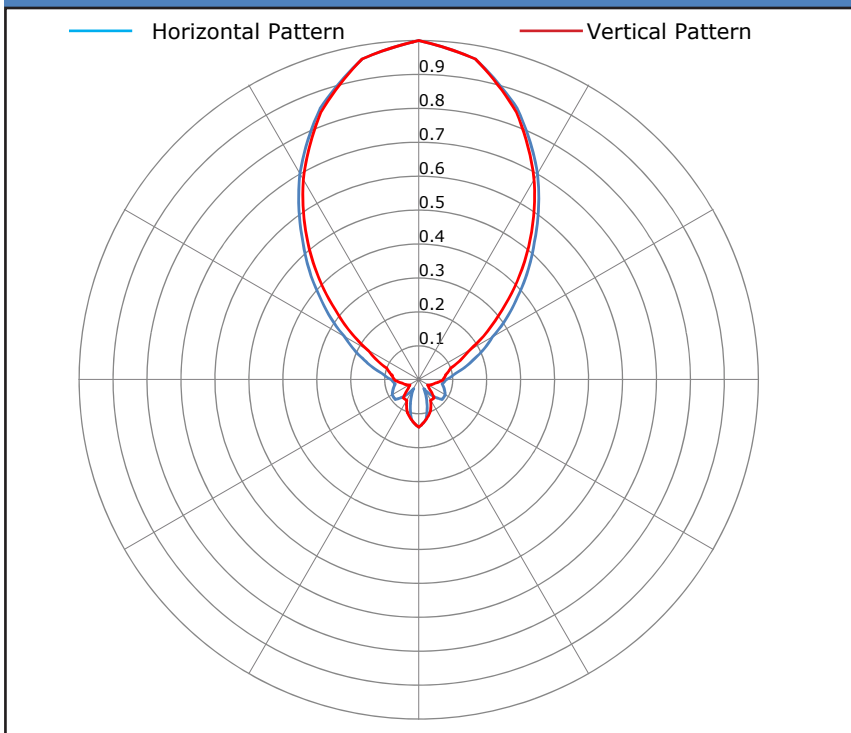
MECHANICAL CHARACTERISTICS

Input Connector PUH72000	EIA 7/8"
Input Connector PUX72000	DIN 7-16 female
Weight/Mass	58.9 N (6 Kg 13.2 lbs)
Wind loads (wind=160 Kph)	270 N (Front thrust) 129 N (Side thrust)
Max Wind (survival)	200 Kph
Operating temperature	-50°C to +60°C
Pressurization	100 KPa (1 Atm)
Mounting (Pole Brackets optional)	Tower face/Custom Mast

Materials

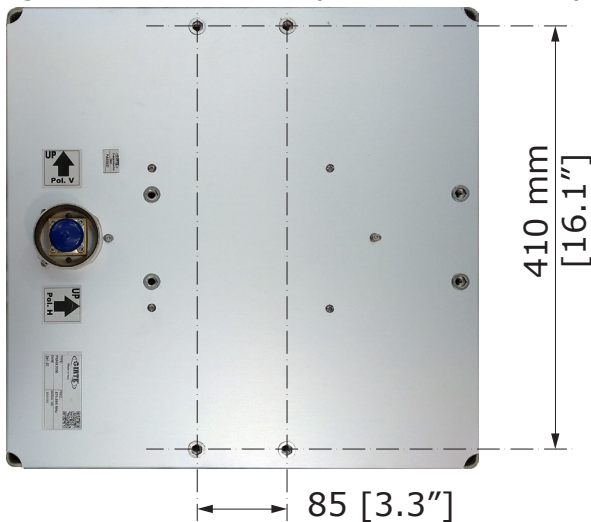
Back reflector	Stainless Steel
Internal Lines/ Dipoles	Silver Plated Brass/Copper
Hardware	Stainless Steel
Radome	Fiberglass (Std Color: Grey, other colors upon request)

RADIATION PATTERNS

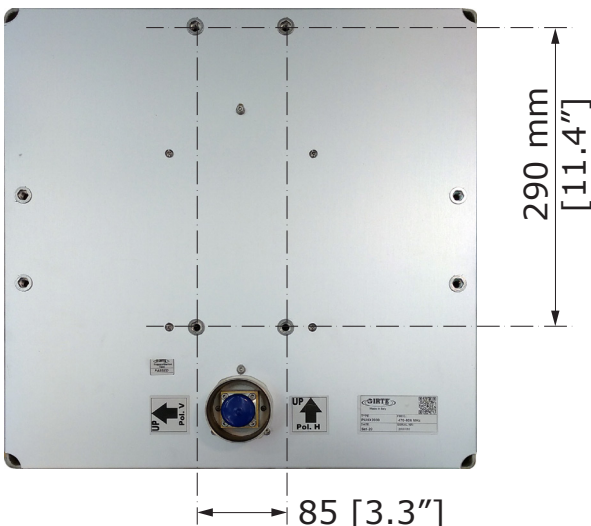


HxW: 450x450 mm [17.7"x17.7"] Depth 190 mm [7.8"]

Fixing M8 Holes distances (Vertical Pol. Mount)

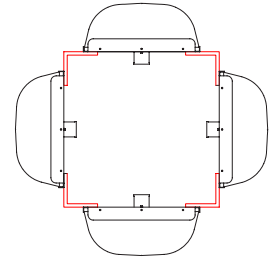
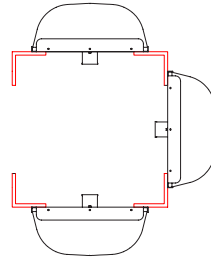
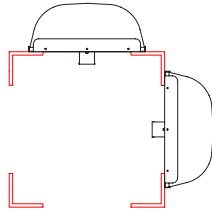
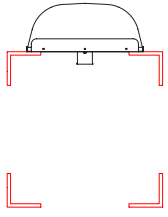


Fixing M8 Holes distances (Horizontal Pol. Mount)



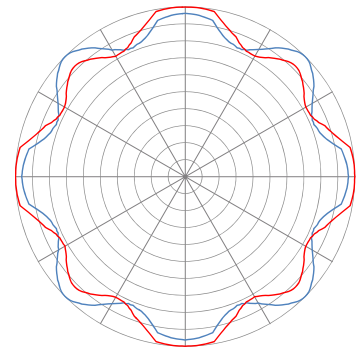
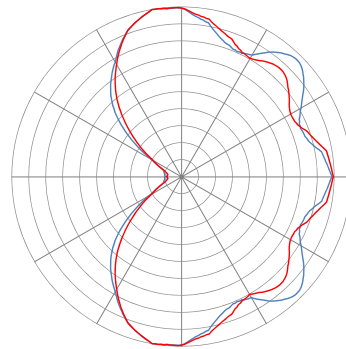
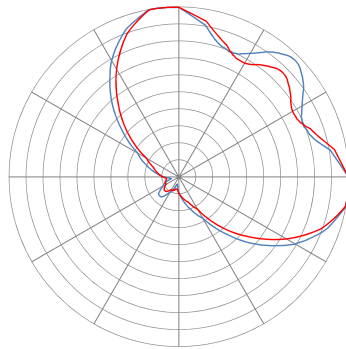
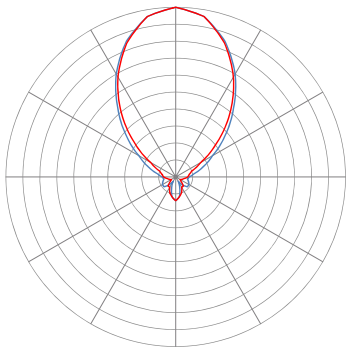
PUH72000-PUHX2000 2 DIPOLES PANEL - Typical Antenna Systems Patterns

Arrays Data Table



E/EM Horizontal Radiation patterns

— Horiz.Pol. — Vert.Pol.



1 face

2 faces

3 faces

4 faces

Bays #	Height H m	Gain dBd	Weight kg
1	0.45	8.5	6
2	1.05	11.5	12
3	1.65	13.3	18
4	2.25	14.5	24
6	3.45	16.3	36
8	4.65	17.5	48
12	7.05	19.3	72
16	9.45	20.5	96

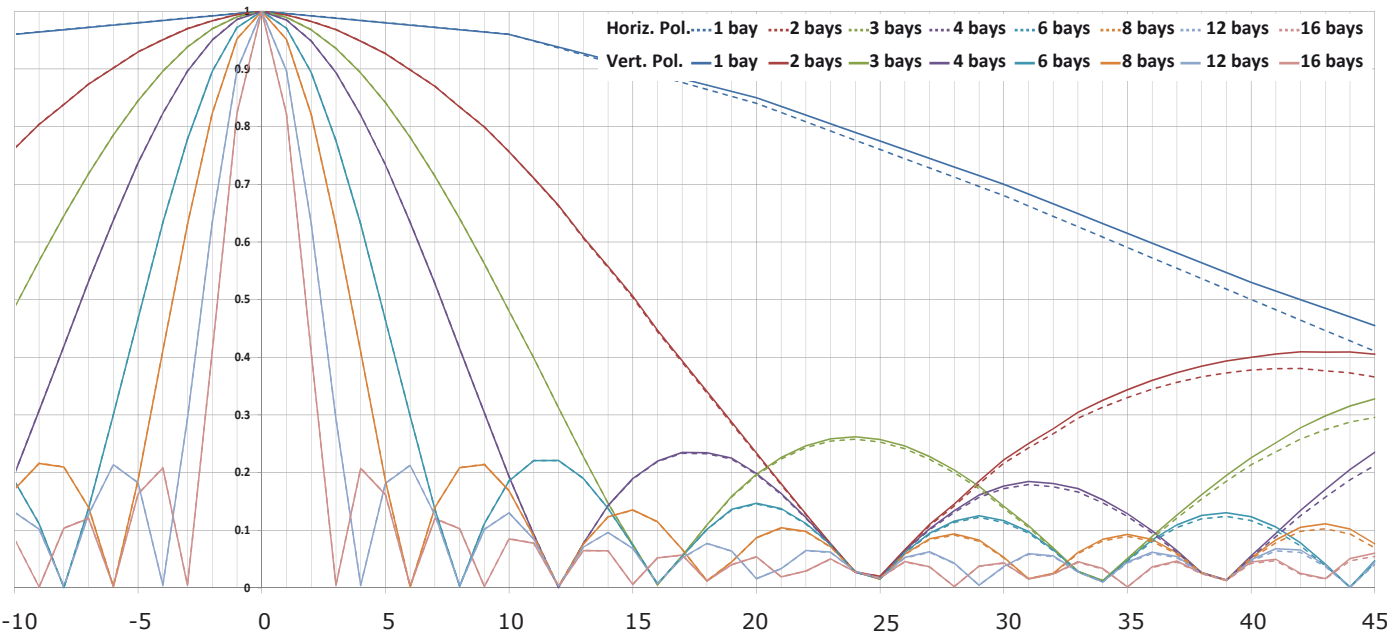
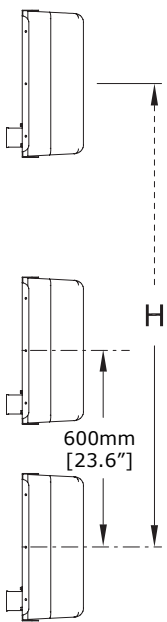
Gain dBd	Weight kg
5.5	12
8.5	24
10.3	36
11.5	48
13.3	72
14.5	96
16.3	144
17.5	192

Gain dBd	Weight kg
3.7	18
6.7	36
8.5	54
9.7	72
11.5	108
12.7	144
14.5	216
15.7	288

Gain dBd	Weight kg
2.5	24
5.5	48
7.3	72
8.5	96
10.3	144
11.5	192
13.3	288
14.5	384

Patterns shapes and system gains can vary depending on panels' back-to-back distances

E/EM Vertical Radiation Patterns



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

09/21