

MICROWAVE ANTENNAS



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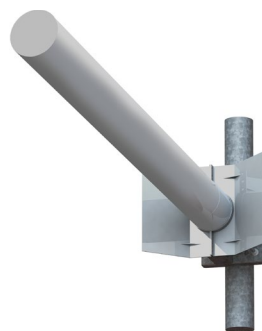
For Point to Point Transmissions

- ⇒ Robust Construction for Harsh Environment
- ⇒ 100% RF Controlled
- ⇒ ETSI Class Radiation Patterns

YAD 1517 / S	3
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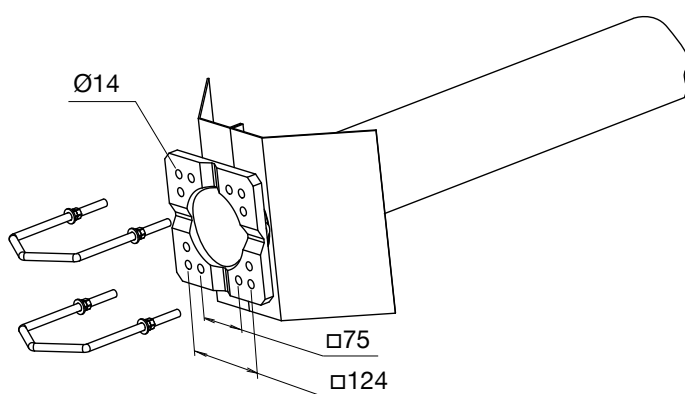
YAD 1517 / S

Standard
ETSI Class 1



Frequency range	1350 to 1550 MHz	Lenght	1.62 m
Impedance	50 Ω	Diameter	Ø115 mm
VSWR	< 1.5	Materials	Aluminium, fiberglass
VSWR (1380-1535 MHz)	< 1.4	Weight	3.5 kg
Isotropic gain	17 dBi	Windspeed resistance	250 km/h without frost
Polarization	Vertical / Horizontal	Wind load at 160 km/h	21 Nm
Radiating pattern		Temperature range	- 40° à + 80°C
-E plane	23°	Color	White RAL 9010
-H plane	24°	Fixation included	Ø65 to 114 mm
Front-to-back ratio	27 dB		
Cross polarization	> 25 dB		
Maximum input power	50 W		
Connector	N f		

Safety : all metal parts are at equipotential and connected to ground

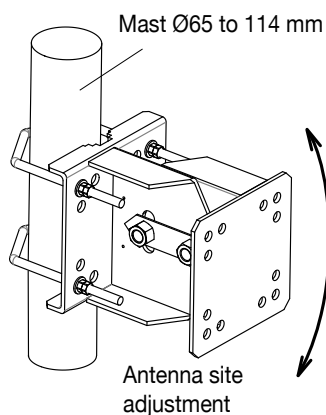


Dimensions in mm

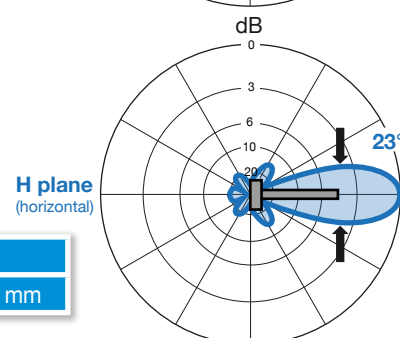
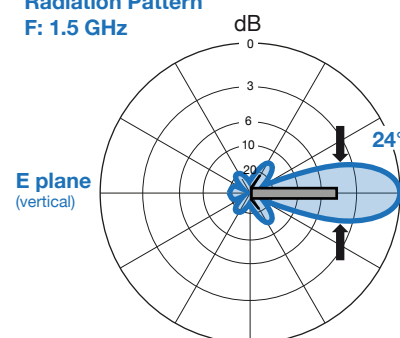
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P/N	Model
99-0058	YAD 1517 / S

P/N	Option
98-0093	Azimet and elevation orientation system with clamps for mast Ø65 to 114 mm



Radiation Pattern
F: 1.5 GHz



Mounting instruction available on request



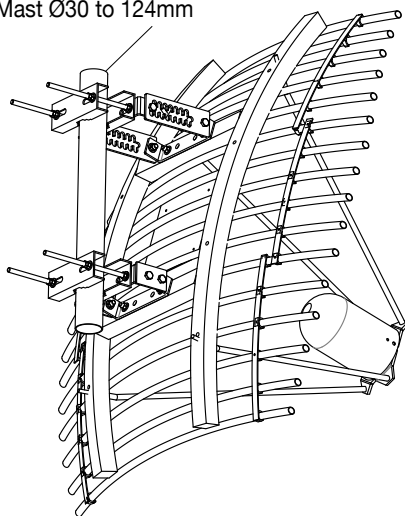


APG 3 - 1500



Frequency range	1350 to 1550 MHz	Reflector dimension	3 ft (Ø 1 m)
Impedance	50 Ω	Materials	Aluminium
VSWR in the band	< 1.5	Weight with mounting interface	10 kg
Isotropic gain	20 dBi	Windspeed resistance	200 km/h without frost
Polarization	Vertical / Horizontal	Wind load at 160 km/h	
Medium beamwidth at -3 dB	10.5°	- Front	41 daN
Front-to-back ratio	25 dB	- Side	25 daN
Cross polarization	> 30 dB	Temperature range	-40° à +70°C
Maximum input power	100 W cw	Fixation included	Ø30 to 124 mm
Connector	N f - RG 214/U - L = 1.2 m		

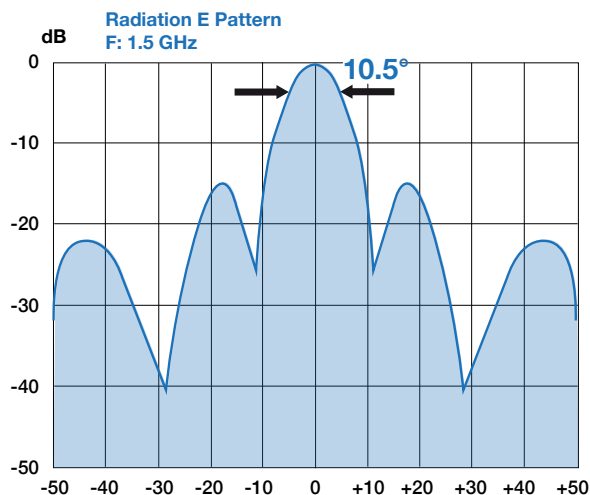
Mast Ø30 to 124mm



Dimensions in mm

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P/N	Model
99-0023	APG 3 -1500AN



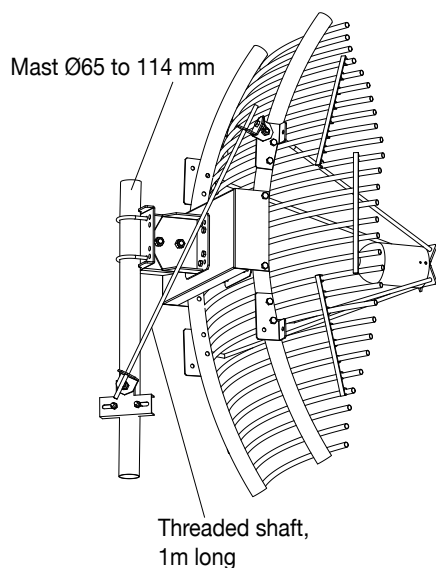
Mounting instruction available on request

APG 4 - 1500



Frequency range	1350 to 1550 MHz
Impedance	50 Ω
VSWR in the band	< 1.5
Isotropic gain	23 dBi
Polarization	Vertical / Horizontal
Medium beamwidth at -3 dB	9°
Front-to-back ratio	28 dB
Cross polarization	32 dB
Maximum input power	100 W cw
Connector	N f - RG 214/U - L = 1.4 m

Reflector dimension	4 ft (Ø 1.3 m)
Material	Aluminium
Weight with mounting interface	20 kg
Windspeed resistance	200 km/h without frost
Wind load at 160 km/h	
- Front	70 daN
- Side	40 daN
Temperature range	-40° to +70°C
Fixation included	Ø65 to 114 mm



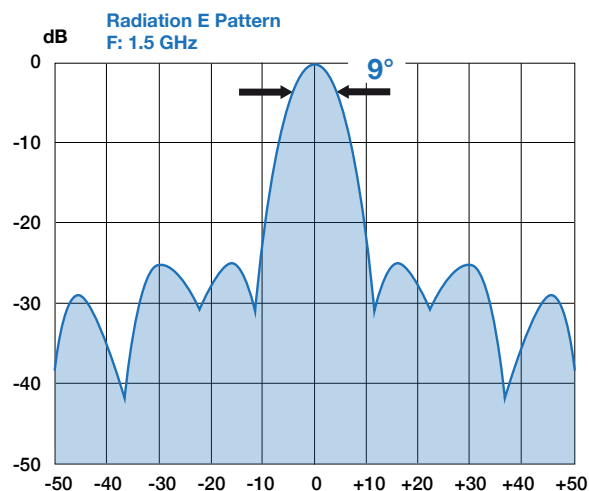
Dimensions in mm

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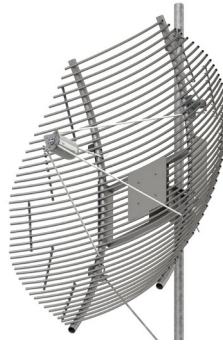
P/N	Model
99-0024	APG 4 - 1500AN
99-0035	APG 4 - 1500AN-S welded
99-0036	APG 4 - 1500AN-R reinforced



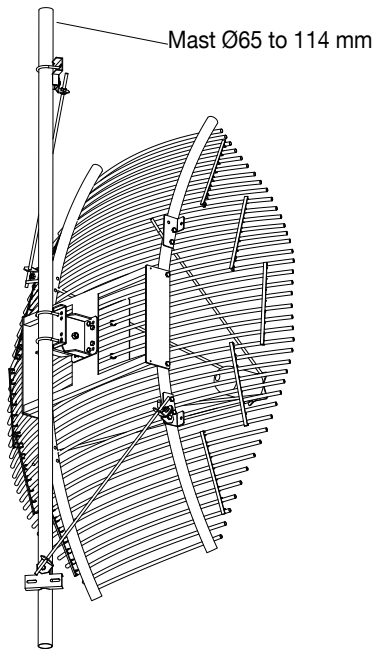
Mounting instruction available on request



APG 6 - 1500



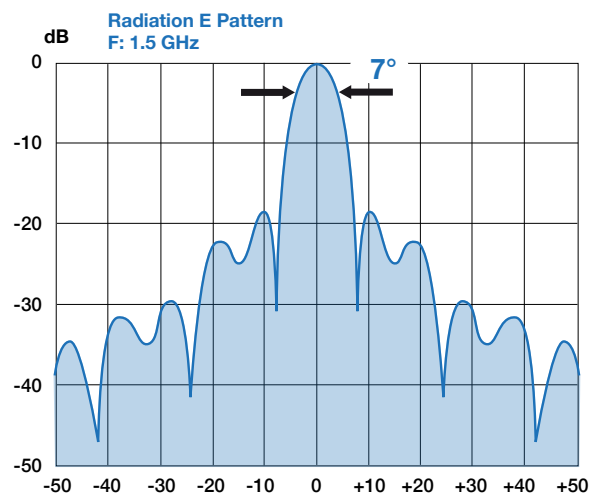
Frequency range	1350 to 1550 MHz	Reflector dimension	6 ft (Ø 2 m)
Impedance	50 Ω	Material	Aluminium
VSWR in the band	< 1.5	Weight with mounting interface	31 kg
Isotropic gain	26 dBi	Windspeed resistance	180 km/h without frost
Polarization	Vertical / Horizontal	Wind load at 160 km/h	
Medium beamwidth at -3 dB	7°	- Front	142 daN
Front-to-back ratio	> 30 dB	- Side	77 daN
Cross polarization	> 30 dB	Temperature range	-40° à +70°C
Maximum input power	100 W cw	Fixation included	Ø65 to 114 mm
Connector	N f - RG 214/U - L = 1.5 m		



Dimensions in mm

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P/N	Model
99-0025	APG 6 - 1500AN
99-0037	APG 6 - 1500AN-R reinforced

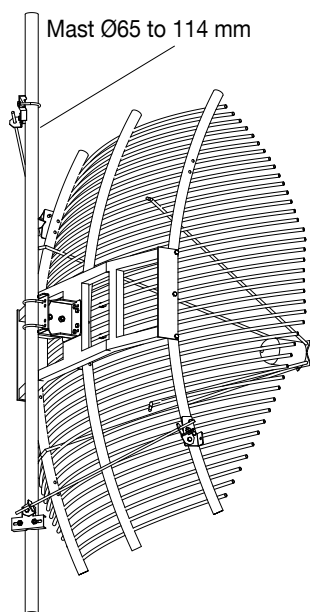


Mounting instruction available on request

APG 8 - 1500



Frequency range	1350 to 1550 MHz	Reflector dimension	8 ft (Ø 2.4 m)
Impedance	50 Ω	Material	Aluminium
VSWR in the band	< 1.5	Weight with mounting interface	39 kg
Isotropic gain	28.5 dBi	Windspeed resistance	180 km/h without frost
Polarization	Vertical / Horizontal	Wind load at 160 km/h	
Medium beamwidth at -3 dB	5.4°	- Front	300 daN
Front-to-back ratio	34 dB	- Side	135 daN
Cross polarization	> 31 dB	Temperature range	-40° à +70°C
Maximum input power	100 W cw	Fixation included	Ø65 to 114 mm
Connector	N f - RG 214/U - L = 2.4 m		



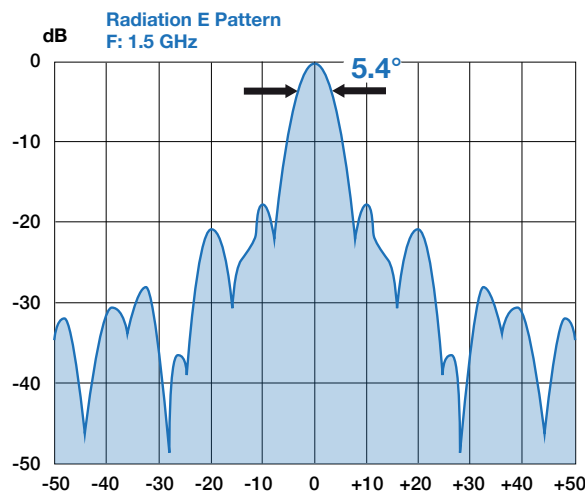
Dimensions in mm

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P/N	Model
99-0026	APG 8 - 1500AN
99-0038	APG 8 - 1500AN-R reinforced



Mounting instruction available on request

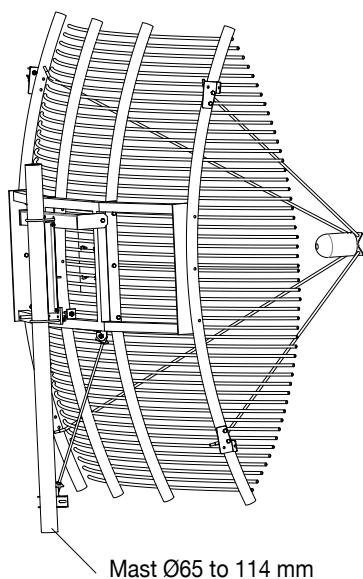




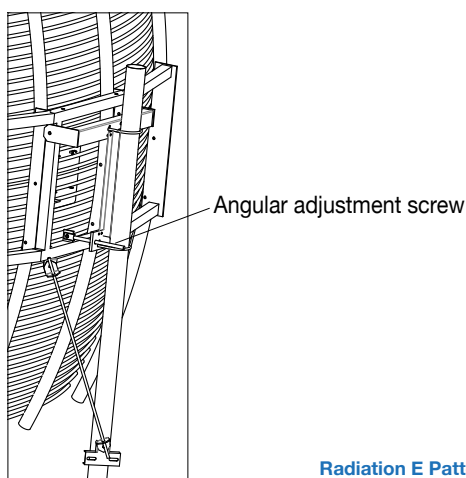
APG 10 - 1500



Frequency range	1350 to 1550 MHz	Reflector dimension	10 ft (Ø 3 m)
Impedance	50 Ω	Material	Aluminium
VSWR in the band	< 1.5	Weight with mounting interface	70 kg
Isotropic gain	30.5 dBi	Windspeed resistance	180 km/h without frost
Polarization	Vertical / Horizontal	Wind load at 160 km/h	
Medium beamwidth at -3 dB	4.8°	- Front	470 daN
Front-to-back ratio	35 dB	- Side	215 daN
Cross polarization	> 33 dB	Temperature range	-40° à +70°C
Maximum input power	100 W cw	Fixation included	Ø65 to 114 mm
Connector	N f - RG 214/U - L = 3 m		

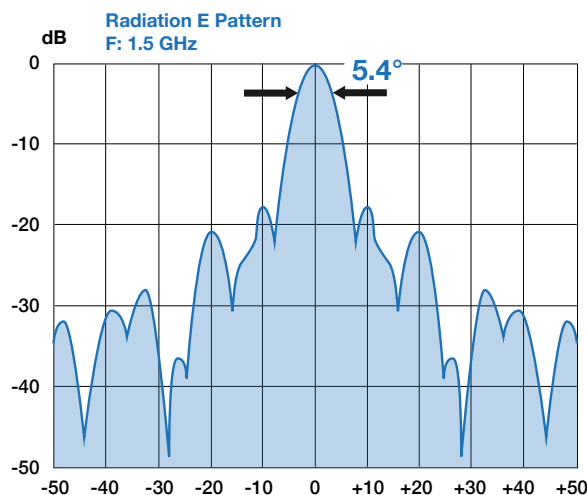


Dimensions in mm



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P/N	Model
99-0074	APG 10 - 1500AN



Mounting instruction available on request

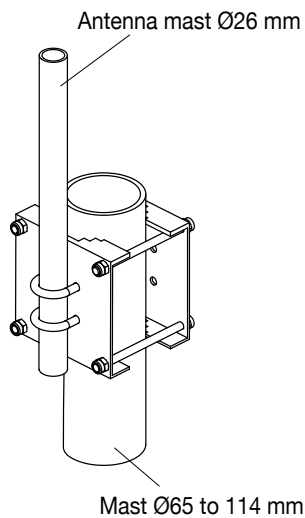
AUPAN 2.35 - 8 - 170



Frequency range	2.3 to 2.4 GHz
Impedance	50 Ω
VSWR in the band	< 1.3
Isotropic gain	8 dBi
Polarization	Vertical
Radiation Pattern	
-E plan	40°
-H plan	170°
Maximum input power	100 W
Connector	N f



Height	450 mm
Radom diameter	Ø85 mm
Materials	AGS-Polyester
Weight	550 g
Wind loading area	0.034 m ²
Temperature range	-40° à +70°C
Color	Grey RAL 7038
Fixation included	Ø65 to 114 mm

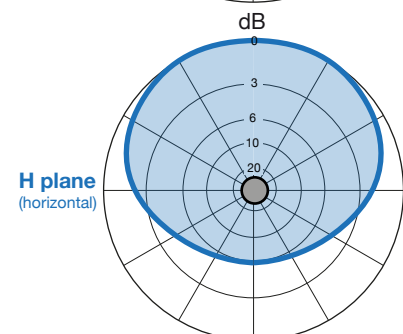
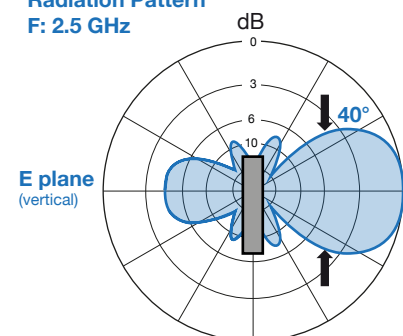


Dimensions in mm

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P/N	Model
99-0064	AUPAN 2.35 - 8 - 170

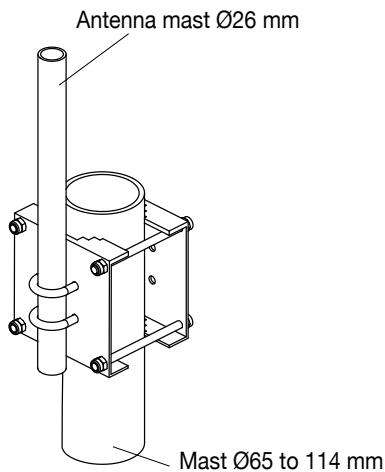
Radiation Pattern
F: 2.5 GHz



AUO 2.59 - 6



Frequency range	2.45 to 2.75 GHz	Height (with mast)	897 mm
Impedance	50 Ω	Radom diameter	Ø85 mm
VSWR in the band	< 1.5	Materials	AGS-Polyester
Isotropic gain	6 dBi	Weight	600 g
Polarization	Vertical	Wind loading area	0.034 m ²
Radiation Pattern		Temperature range	-40° à +70°C
-E plan	30°	Color	Grey RAL 7038
-H plan	OMNI at ± 1 dB	Fixation included	Ø65 to 114 mm
Maximum input power	100 W		
Connector	N f		

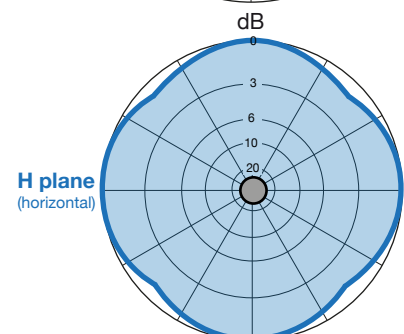
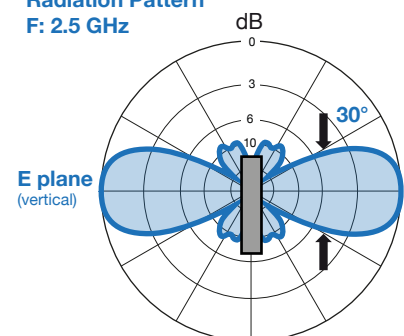


Dimensions in mm

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P/N	Model
99-0088	AUO 2.59 - 6

Radiation Pattern
F: 2.5 GHz

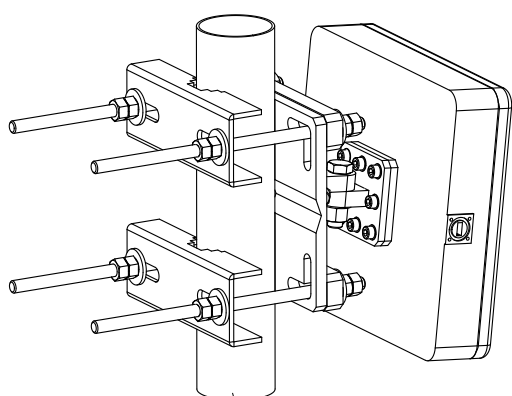


PHP 220

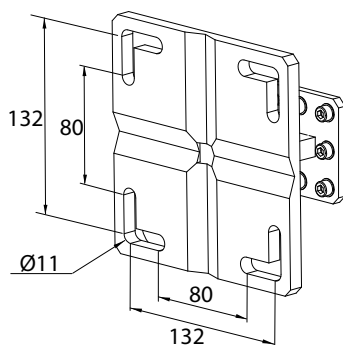
Standard
ETSI Class 3



Frequency range	21.2 to 23.6 GHz	Materials	AGS-Polyester
Impedance	50 Ω	Weight	5 Kg
VSWR in the band	< 1.5	Wind loading area	0.05 m ²
Isotropic gain	23.5 dBi	Windspeed resistance	200 Km/h without frost
Polarization	Horizontal	Temperature range	-40° à +70°C
3dB beamwidth	6°	Color	Grey RAL 7038
Radiation Pattern		Fixation included	Ø65 to 114 mm
-Front to back ratio	-54 dB		
-Cross polarization	-28 dB		
Input	PBR 220		



Mast Ø65 to 114 mm

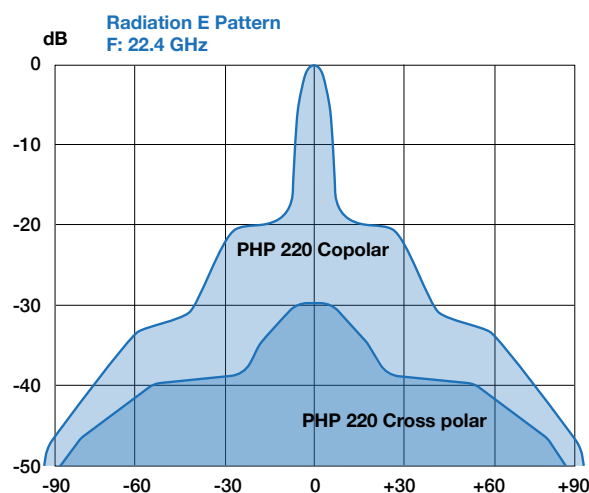


Wall mount

Dimensions in mm

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P/N	Model
99-0072	PHP 220



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Microwave Antennas

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Notes

Microwave Antennas







Notes

Microwave Antennas



