

Specification for Antenna System 2011

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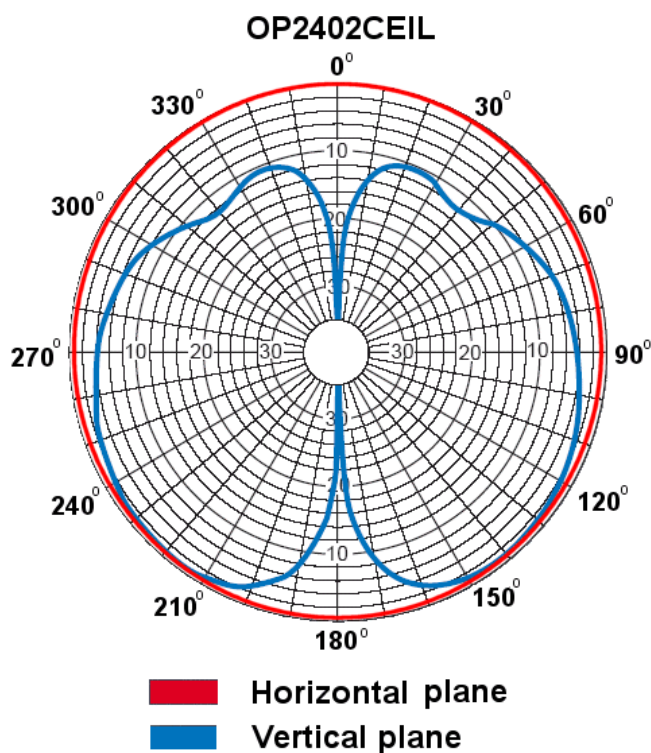
Openplatform Technology Co. Ltd.



Model OP2402CELL



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	2.5 dBi
Horizontal beam angle	360°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max power	50W
Connector	N female
Size	Φ120mm x 45mm
Weight	350g
Mounting method	Fix with nut



Radiation pattern for OP2402CEIL



Model OP2403CELL



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	3 dBi
Horizontal beam angle	360°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max power	50W
Connector	N female
Size	Φ180mm x 90mm
Weight	250g
Mounting method	Fix with nut



Model OP2403CELP



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	3 dBi
Horizontal beam angle	360°
VSWR	≤1.4
Input Impedance	50 Ohm
Polarization	Vertical
Max power	50W
Connector	N female
Size	Φ145mm×35mm
Weight	150g
Mounting method	Fix with nut



Model OP2403RDT



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	3 dBi
Horizontal beam angle	360°
Vertical beam angle	58°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max power	10W
Connector	RPTNC plug (-RTF) RPSMA plug (-RSF)
Size	Φ13mm×135mm
Weight	20g
Note	Tilt and Swivel connector



Model OP2405RDT



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	5 dBi
Horizontal beam angle	360°
Vertical beam angle	40°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max power	10W
Connector	RPTNC plug (-RTF) RPSMA plug (-RSF)
Size	Φ13mm×198mm
Weight	40g
Note	Tilt and Swivel connector



Model OP2407RDT



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	7 dBi
Horizontal beam angle	360°
Vertical beam angle	22°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max power	10W
Connector	RPTNC plug (-RTF) RPSMA plug (-RSF)
Size	Φ13mm× 275mm
Weight	50g
Note	Tilt and Swivel connector



Model OP2409RDT



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	9 dBi
Horizontal beam angle	360°
Vertical beam angle	13°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max power	10W
Connector	RPTNC plug (-RTF) RPSMA plug (-RSF)
Size	Φ13mm× 380mm
Weight	65g
Note	Tilt and Swivel connector



Model OP24VMT



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	4 dBi
Horizontal beam angle	360°
Vertical beam angle	40°
VSWR	≤2.0
Input Impedance	50 Ohm
Polarization	Vertical
Connector	RPSMA, Cisco, Orinoco or user defined
Size	0.15 m
Weight	100g
Mounting method	Magnet mount base



Model OP2405OMNI



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	5 dBi
Horizontal beam angle	360°
Vertical beam angle	28°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	100W
Connector	N female
Size	0.3 m
Weight	112g
Rated wind velocity	60 m/s



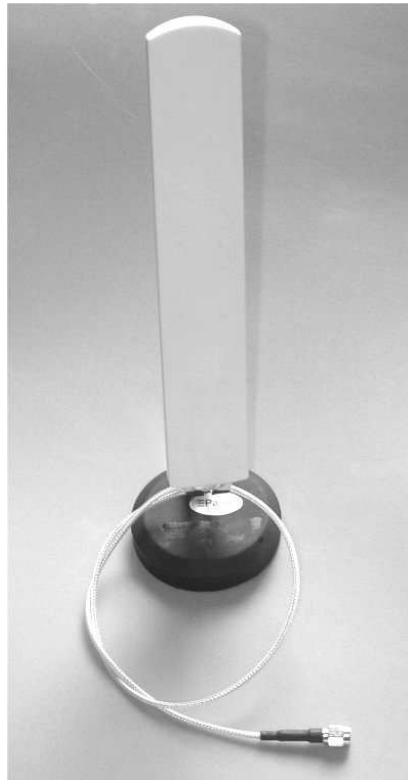
Model OP2405ODB



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	5 dBi
Horizontal beam angle	360°
VSWR	≤2.0
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	50W
Connector	SMA or user defined
Size	0.205 m
Weight	100g



Model OP2405ODW



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	5 dBi
Horizontal beam angle	360°
Vertical beam angle	28°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	50W
Connector	SMA or user defined
Size	245×35×12mm
Weight	75g



Model OP2407VMT



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	7 dBi
Horizontal beam angle	360°
Vertical beam angle	20°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	50W
Connector	Magnet mount with 4m RG223 cable, RPTNC or N
Size	0.3 m
Weight	200g



Model OP2408PAT



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	8 dBi
Horizontal beam angle	80°
Vertical beam angle	60°
VSWR	≤2.0
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	50W
Connector	SMA or user defined
Size	88×70×120mm
Weight	75 g



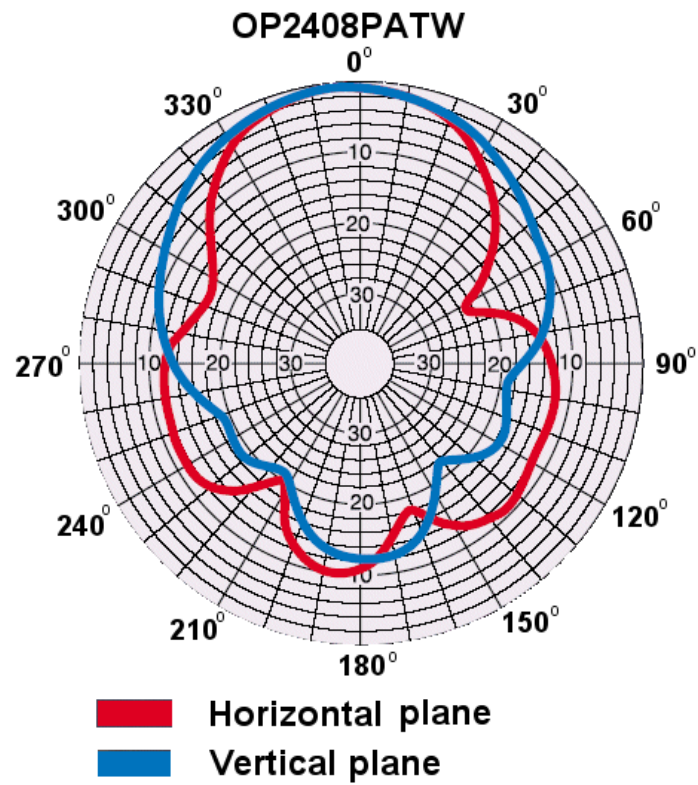
Model OP2408PATW



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	8 dBi
Horizontal beam angle	80°
Vertical beam angle	60°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	50W
Connector	N female
Size	125×97×30mm
Weight	210 g
Pole diameter	40-50 mm diameter



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Radiation pattern for OP2408PATW



Mounting bracket for OP2408PATW (360 degree adjustable)



Model OP2407OMNI



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	7 dBi
Horizontal beam angle	360°
Vertical beam angle	20°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	100W
Connector	N female
Size	Φ20mm x 0.5m
Weight	450g
Rated wind velocity	60 m/s

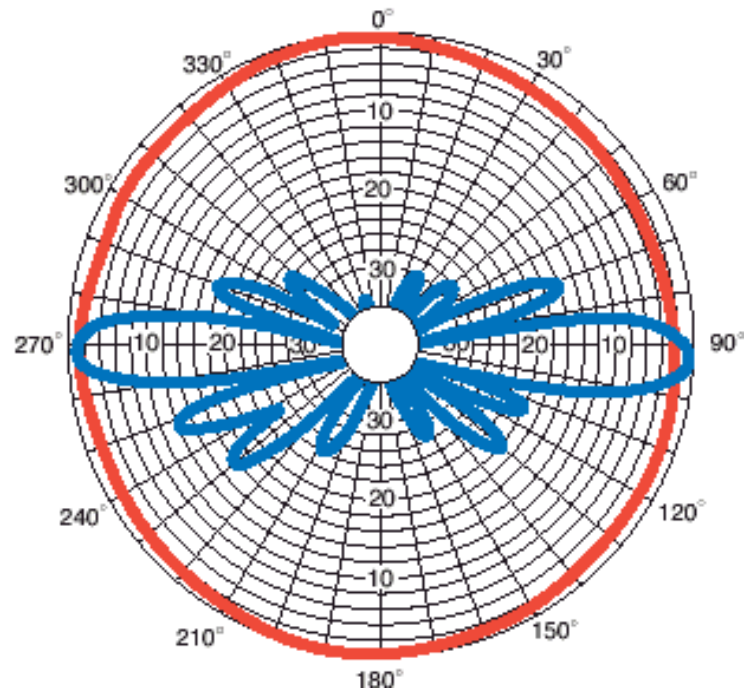


Model OP2409OMNI



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	9 dBi
Horizontal beam angle	360°
Vertical beam angle	13°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	100W
Connector	N female
Size	Φ20mm x 0.8m
Weight	850g
Rated wind velocity	60 m/s

Radiation Pattern for OP2409OMNI



[Red: Horizontal beam ; Blue: Vertical beam]

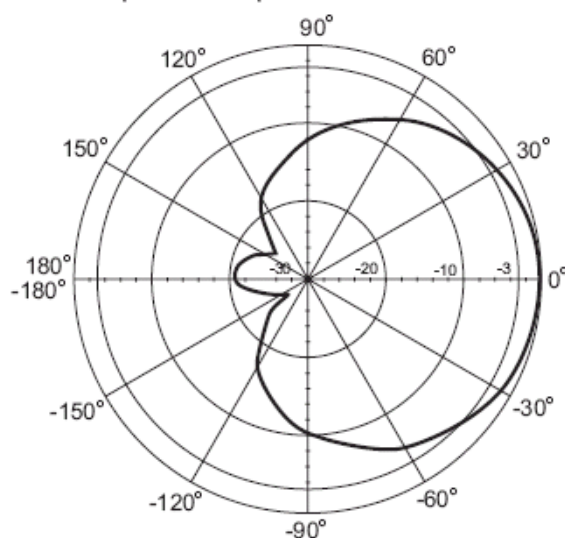


Model OP2411PAT

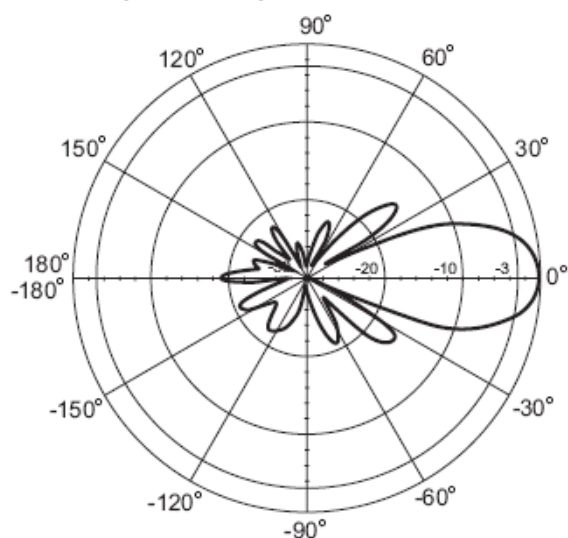


Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	11 dBi
Horizontal beam angle	83°
Vertical beam angle	22°
VSWR	≤2.0
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	20W
Connector	SMA jack
Size	330 x 93 x 21 mm
Weight	190g
Rated wind velocity	60 m/s

H-plane Co-polarization Pattern



V-plane Co-polarization Pattern





Model OP2415OMNI



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	15 dBi
Horizontal beam angle	360°
Vertical beam angle	5°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	50W
Connector	N female
Size	1.57m
Weight	750 g (w bracket)
Rated wind velocity	60 m/s

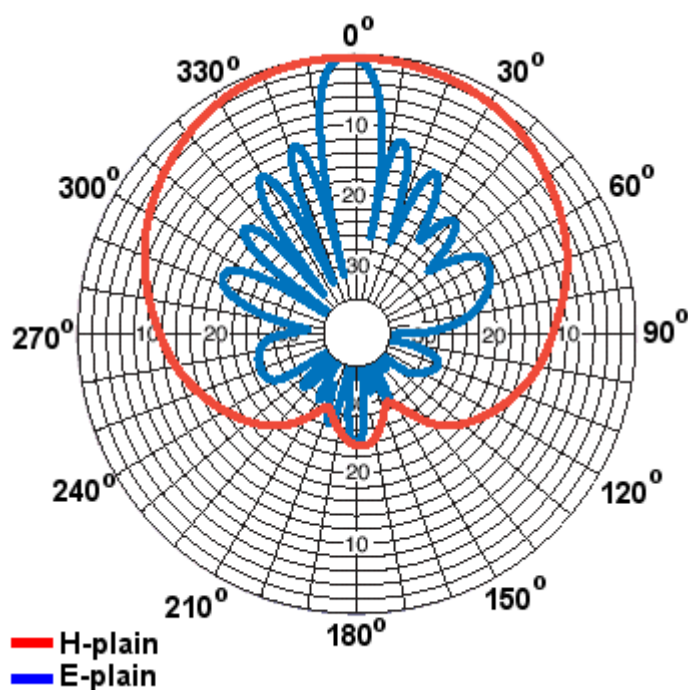


Cushcraft S2401290P12NF



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	12 dBi
Horizontal beam angle	90°
Vertical beam angle	10°
VSWR	≤2.0
Input Impedance	50 Ohm
Polarization	Linear
Max Power	50W
Connector	N female or RTNC jack
Size	76 x 660 x 25 mm
Weight	450 g

Radiation Pattern for S2401290P12NF



[Red: Horizontal beam ; Blue: Vertical beam]

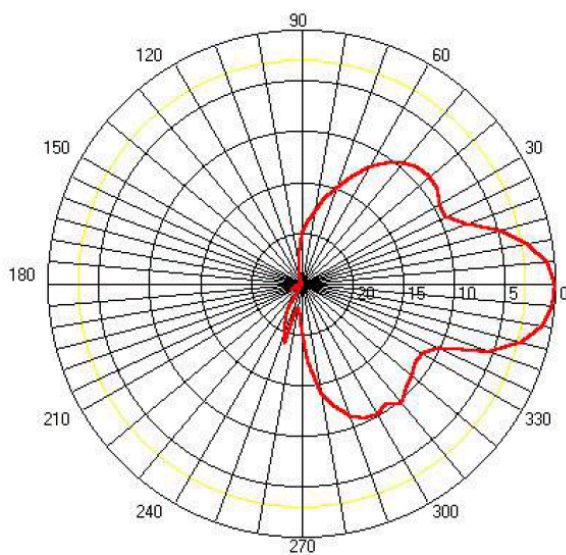


Model OP2416PAT

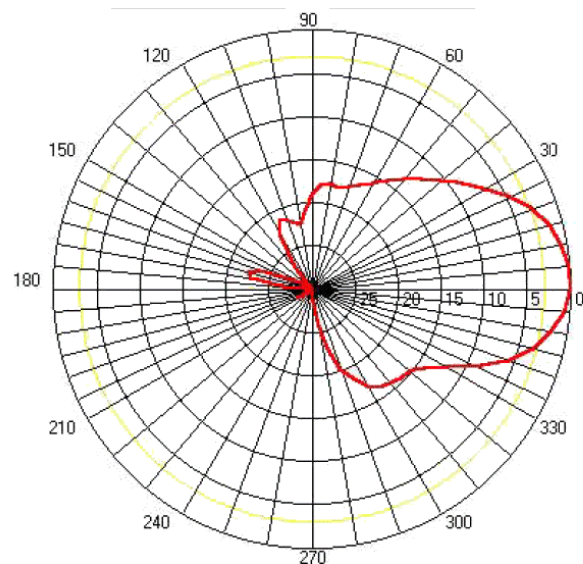


Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	16 dBi
Horizontal beam angle	26°
Vertical beam angle	24°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical or Horizontal
Max Power	100W
Connector	N female
Size	Φ260 mm
Weight	2 kg

Radiation Pattern for OP2416PAT



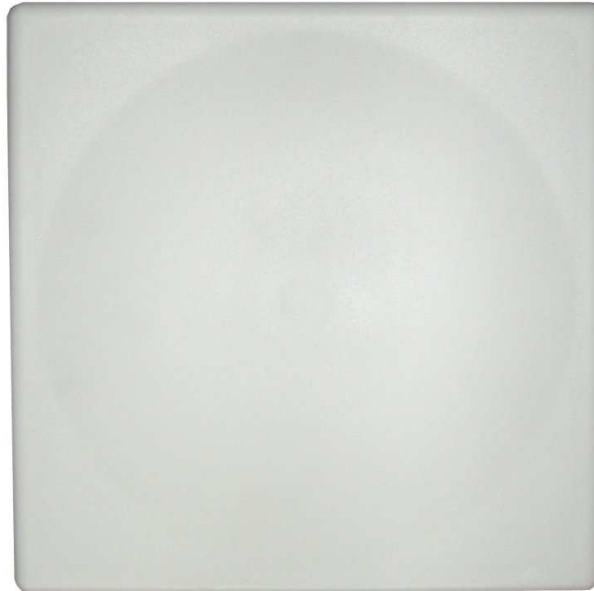
Horizontal beam pattern



Vertical beam pattern



Model OP2417PAT

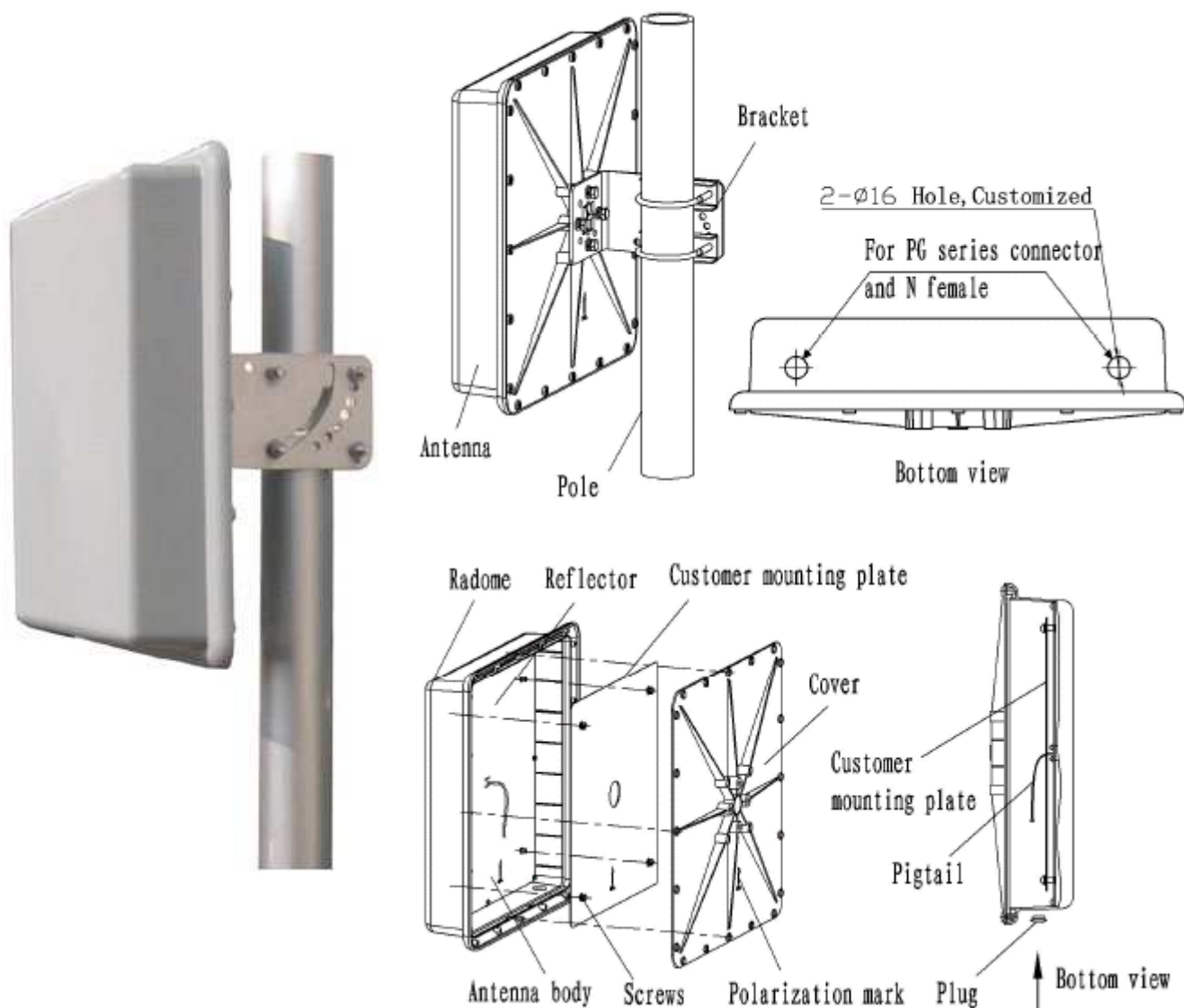


Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	17 dBi
Horizontal beam angle	23°
Vertical beam angle	23°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical or Horizontal
Max Power	50W
Connector	N female
Size	261×261×35 mm
Weight	0.9 kg



Model OP2418SPAT

Install Sketch



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	18 dBi
Horizontal beam angle	20°
Vertical beam angle	20°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical or Horizontal
Max Power	20W
Connector	N female
Size	325×325×65 mm
Weight	2.1 kg



Model OP2424PAT



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	24 dBi
Horizontal beam angle	10°
Vertical beam angle	14°
F/B ratio	≥31 dB
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical or Horizontal
Max Power	100W
Connector	N female
Size	0.6×0.9 (m)
Weight	3.6 kg
Rated wind velocity	60 m/s



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Model OP2427PAT



Frequency Range	2400 – 2483 MHz
Bandwidth	83 MHz
Gain	27 dBi
Horizontal beam angle	6.5°
Vertical beam angle	6.5°
F/B ratio	≥35 dB
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical or Horizontal
Max Power	100W
Connector	N female
Size	Φ 1.2 m
Weight	7.1 kg



Model OP5714PATW



Frequency Range	5725 – 5850 MHz
Bandwidth	125 MHz
Gain	14 dBi
Horizontal beam angle	40
Vertical beam angle	30
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	100W
Connector	RTNC plug or N female
Size	145×97×38 mm
Weight	0.52kg

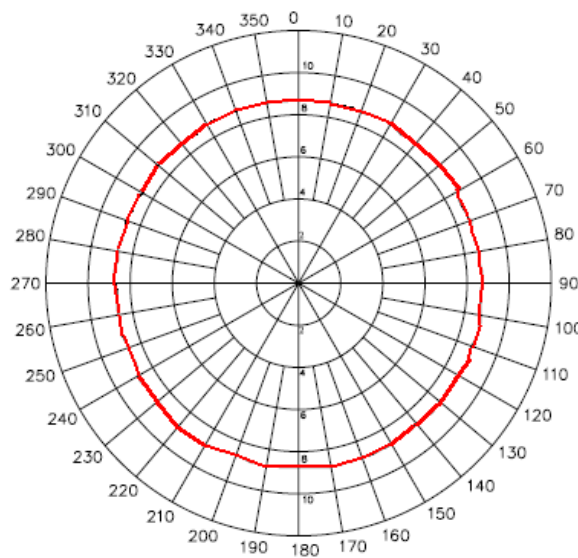


Model OP5709OMNI

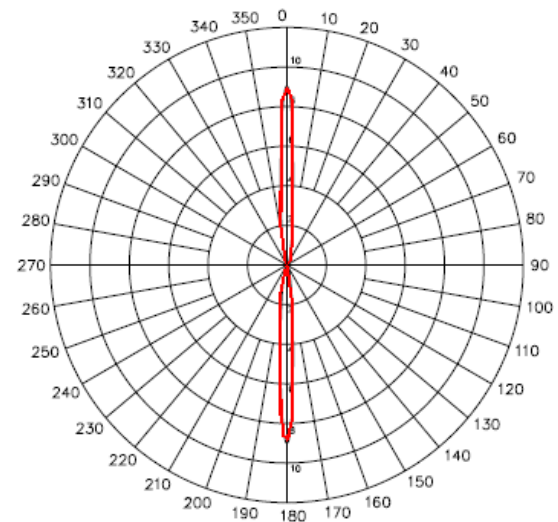


Frequency Range	5100 – 5900 MHz
Bandwidth	800 MHz
Gain	9 dBi
Horizontal beam angle	360°
Vertical beam angle	6°
VSWR	≤1.3
Input Impedance	50 Ohm
Polarization	Linear
Max Power	10W
Connector	N female
Size	Φ35mm x 0.42m
Weight	410g
Mounting mask Diameter	Φ40~50mm

Radiation Pattern for OP5709OMNI



Horizontal beam pattern



Vertical beam pattern



Model OP5712OMNI



Frequency Range	5100 – 5850 MHz
Bandwidth	750 MHz
Gain	12 dBi
Horizontal beam angle	360°
Vertical beam angle	7°
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	100W
Connector	N female
Size	Φ25mm x 0.57m
Weight	420g
Rated wind velocity	60 m/s
Mounting mask Diameter	Φ40~50mm



Model OP5718PAT



Frequency Range	5250 – 5875 MHz
Bandwidth	625 MHz
Gain	18 dBi
Horizontal beam angle	18°
Vertical beam angle	18°
VSWR	≤2
Input Impedance	50 Ohm
Polarization	Linear, Vertical / Horizontal
Max Power	10W
Connector	N female
Size	200 x 200 x 40 mm
Weight	700g (with bracket)



Model OP2457MIMOID



Applications

2.4G/5G WLAN system
2.4G/5G WiMax system
Support IEEE 802.11a/b/g/n
Indoor hotspot coverage

Features

Integrate three 2.4GHz omni antennas,
and three 5GHz omni antennas
Space diversity, MIMO technique
Suitable for indoor use

Frequency Range	2400 – 2500 MHz	5100 – 5850 MHz
Bandwidth	100 MHz	750 MHz
Gain	2.5 dBi	4.5 dBi
Horizontal beam angle	360°	
VSWR	≤1.8	≤2.5
Input Impedance	50 Ohm	
Polarization	Vertical	
Max Power	50 W	
Connector	RPTNC or customized	
Dimension	148 mm (Diameter) x 50mm (Height)	
Weight	500 g	
Mounting mask Diameter	Ceiling mount	



Model OP2457MIMOOD

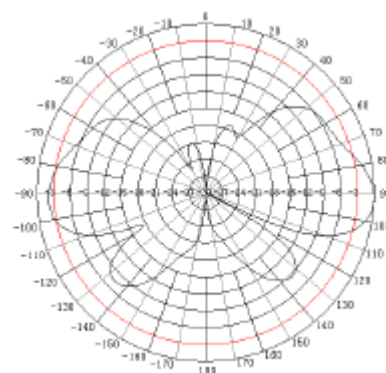


Applications

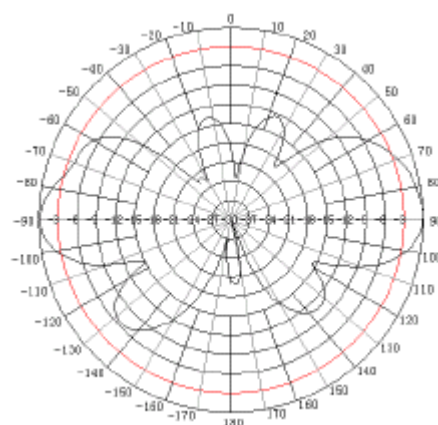
2.4G/5G WLAN system
2.4G/5G WiMax system
Support IEEE 802.11a/b/g/n

Features

Integrate three 2.4GHz omni antennas,
and three 5GHz omni antennas
Space diversity, MIMO technique
Suitable for Outdoor use



2.4G E-plane



5G E-plane

Frequency Range	2400 – 2500 MHz	5100 – 5850 MHz
Bandwidth	100 MHz	750 MHz
Gain	6 dBi	
Horizontal beam angle	360°	
Vertical beam angle	40°	
VSWR	≤1.5	
Input Impedance	50 Ohm	
Electrical Down-tilt	5°	
Isolation	-25dB	
Polarization	Vertical	
Max Power	20 W	
Connector	SMA Female	
Dimension	145 mm (Diameter) x 180mm (Height)	
Weight	800 g	
Pole Diameter	Φ40~50mm	



Model OP9005OMNI



Frequency Range	806-960 MHz
Bandwidth	70 MHz
Gain	5.5 dBi
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	100W
Connector	UHF male
Size	400 mm (vary a little with frequency)
Weight	120g (vary a little with frequency)



Model OP9002OMNI



Frequency Range	806-960 MHz
Bandwidth	70 MHz
Gain	2 dBi
VSWR	≤1.5
Input Impedance	50 Ohm
Polarization	Vertical
Max Power	50W
Connector	N female
Size	Φ180mm × 90 mm
Weight	250g
Mounting Way	Ceiling Mount, Fix with Nut



Model OPSP2 二路功率分配器

OPSP2二路功率分配器採用微帶結構，帶內平坦度好、隔離度高、插損小、駐波性能良好、安裝方便，適用於蜂窩移動通信和2.4GHz無線區域網的分佈系統，功率分配器盒體經表面導電氣化處理。

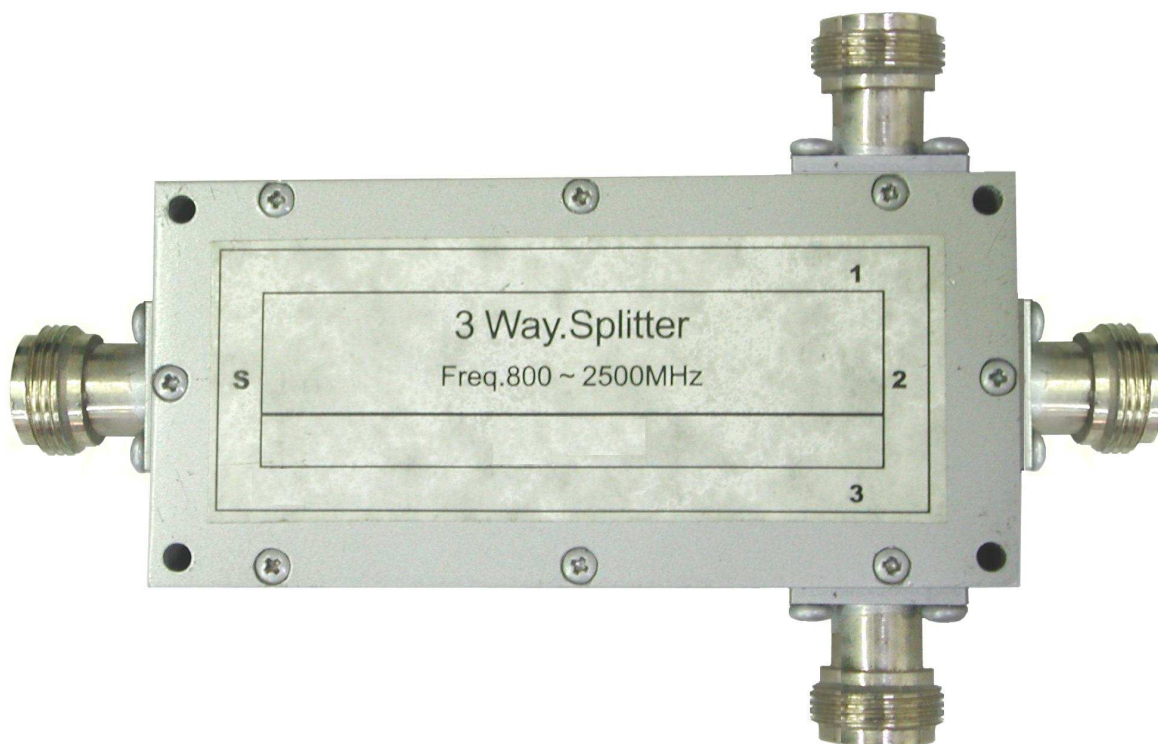


Frequency Range	800MHz ~ 2.5 GHz
Insertion loss	<3.5dB
Isolation	>20dB
VSWR	≤1.4
Input Impedance	50 Ohm
Max Power	25W
Connector	N female
Size	140 x 88 x 20 mm
Operating Temperature	-30 to +60 C
Relative Humidity	5 - 95%
Weight	245g
Mounting Way	Ceiling Mount, Fix with Nut



Model OPSP3 三路功率分配器

OPSP3三路功率分配器採用微帶結構，帶內平坦度好、隔離度高、插損小、駐波性能良好、安裝方便，適用於蜂窩移動通信和2.4GHz無線區域網的分佈系統，功率分配器盒體經表面導電氣化處理。



Frequency Range	800MHz ~ 2.5 GHz
Insertion loss	<5.4dB
Isolation	>20dB
VSWR	≤1.4
Input Impedance	50 Ohm
Max Power	25W
Connector	N female
Size	140 x 88 x 20 mm
Operating Temperature	-30 to +60 C
Relative Humidity	5 - 95%
Weight	245g
Mounting Way	Ceiling Mount, Fix with Nut