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## 2.4GHz 11dBi 120 degree Sector Panel Antenna

*Model Number: SPDG14T*

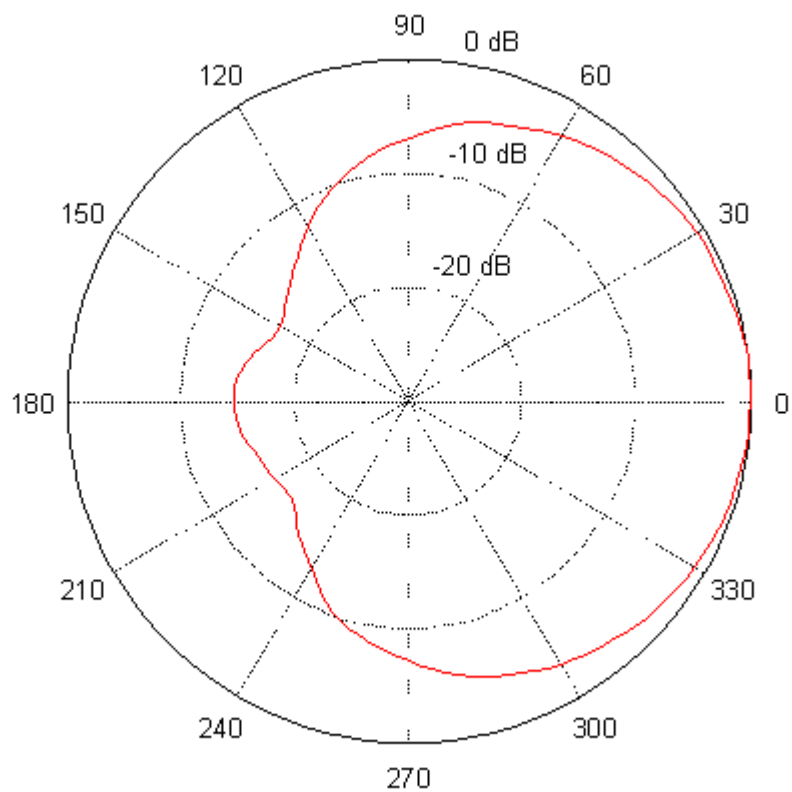


### Technical Specifications

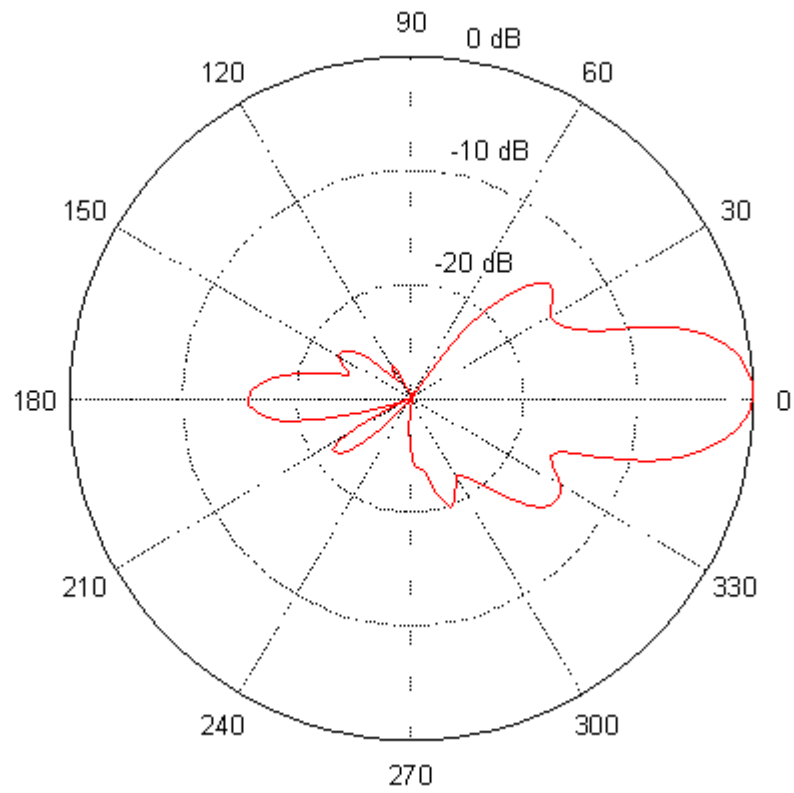
No	ITEM	TYPICAL	REMARKS
1	Frequency Range	2400 ~2483 MHz	
2	Impedance	50 $\Omega$	
3	VSWR (or Return Loss)	$\leq 1.5:1$ ( or $\geq 14\text{dB}$ )	
4	Gain	$\geq 11\text{dBi}$	
5	Polarization	Vertical, Linear	
6	3dB Horizontal Beamwidth	120°	<a href="#">See attached plot</a>
7	3dB Vertical Beamwidth	19°	<a href="#">See attached plot</a>
8	Front to Back Ratio	$\geq 15\text{dB}$	<a href="#">See attached plot</a>
9	Max. Power Input	20W	
10	Connector	N/SMA Female, Bottom-Feed	Or Custom Design
11	Appearance	Panel Type	
12	Size	52× 357× 30 [mm]	
13	Housing Material	Powder Coated Aluminum	
14	Radome Material	ASA with UV Protection	
15	Radome Color	White	
16	Case Design	Water Resistance	
17	Weight	0.5 Lb	
18	Wind Loading (Frontal)	$\geq 2.5\text{Kg}$	200km/h
19	Temperature Range	-45 to +75 ° C	

20	Storage Temperature	-30 to +75 ° C	
21	DC-Ground	Yes	Or Custom Design
22	Mounting Hardware	Gear Clamp	
23	Life Expectancy	20 years	

Radiation Pattern (H-Plane)



Radiation Pattern (E-Plane)

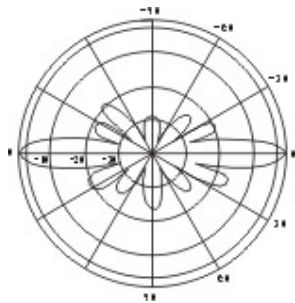


# 2.4GHz Antenna series

## 12dBi Omni-Directional Antenna (2400-2483MHz)

### Omni-Directional Antenna

Model	XPTX2412-QX
Frequency Range	2400-2483(MHz)
Input Impedance	50( $\Omega$ )
VSWR	<1.5
Gain	12(dBi)
(3dBi)HPBW	7°E-plane
Maximum Power	100(W)
Polarization	Vertical Polarization
Connector Type	N-K
Lighting Protection	Direct Ground
Wind Velocity	200(km/h)
Length	1000(mm)
Weight	0.4(Kg)
Hold Pole Diameter	$\phi$ 40- $\phi$ 50(mm)

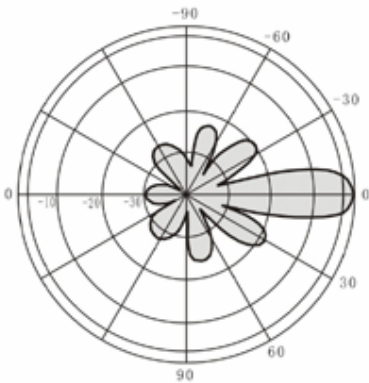


Veritcal Plane

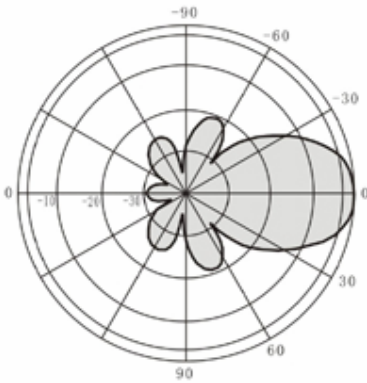
# 5.1-5.9GHz Antenna

## 30-17dBi Directional Antenna （5100-5900MHz）

Model	TQWTD-17030-5.5V
Frequency Range	5100-5900(MHz)
Input Impedance	50( $\Omega$ )
VSWR	<1.5
Gain	17(dBi)
(3dBi)HPBW	30°H-plane 14°E-plane
Maximum Power	200(W)
Polarization	Vertical Polarization
Connector Type	N-K
Lighting Protection	Direct Ground
Wind Velocity	200(km/h)
Heigth/Width/depth	270/115/65(mm)
Weight	1(Kg)
Hold Pole Diameter	$\Phi$ 50- $\phi$ 114(mm)



Verital Plane



Horizontal Plane