

2 GHz 17 dBi Dual Pol ±45 Degrees Slant 90 Degree Sector  
Antenna with ePMP Radio Case (Cables Included)

**KPPA-2GHZDP90S-45-WC**

**Configuration**

Design	Sector
Band Type	Single
Radiation Pattern	Directional
Polarization	45 Deg. Slant
Connector Type	N Female
Interface 2	N Female
Number of Ports	2

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,300		2,700	MHz
Input VSWR			2:01	
Impedance		50		Ohms
Gain		17		dBi
Front to Back Ratio	32			dB
Electrical Downtilt		1.2		Degrees
Cross Polarization Ratio	23			dB
Horizontal (Azimuth) HPBW		90		Degrees
Vertical (Elevation) HPBW		7		Degrees
Input Power			50	Watts

Electrical Specification Notes:

Max input power is 50W per port.

**Mechanical Specifications**

Radome Material	PVC
Housing Plating/Color	Powder Coat
<b>Size</b>	
Length	35.6 in [904.24 mm]
Width	6.9 in [175.26 mm]
Height	6 in [152.4 mm]
Mounting Mast Diameter	1.25 to 3.5 in [31.75 to 88.90 mm]
Weight	23 lbs [10.43 kg]

Mechanical Specification Notes:

UV protection is UV resistant powder coat.

Comes with a metal radio case for ePMP radios.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:

[KPPA-2GHZDP90S-45-WC](#)

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**Environmental Specifications**

**Temperature**

Operating Range

-40 to +60 deg C

Wind Survivability

100 MPH [160.93 KPH]

Wind Loading

**Plotted and Other Data**

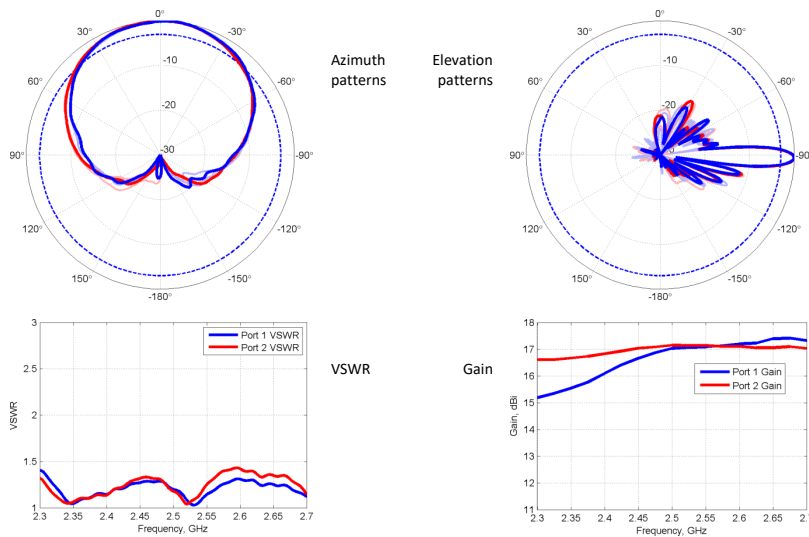
Notes:

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**Typical Radiation Pattern**



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## 2 GHz 17 dBi Dual Pol $\pm 45$ Degrees Slant 90 Degree Sector Antenna with ePMP Radio Case (Cables Included)

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#### Appendix

**Electrical Downtilt:** Angle in the antenna's elevation pattern in which the maximum gain occurs.

**Gain:** Antenna's average gain.

**Front to Back Ratio @  $180^\circ \pm 30^\circ$ :** Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over  $\pm 30^\circ$  angles.

**Cross-polarization Ratio (dB):** Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

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URL: <https://www.kpperformance.com/2ghz-45-degree-slant-90-degree-17-dbi-sector-wc-p.aspx>

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