

2.4 GHz to 2.5 GHz + 4.9 GHz to 7.2 GHz, 4/7 dBi,
Omni Antenna with N Female Connector

KP-26-SPOMA-4-NF



Features

- Type N Female Connector
- Outdoor Rated Omnidirectional Antenna
- 2.4 GHz, 5 GHz, 6 GHz WiFi Bands
- 4 dBi gain

Applications

- Infotainment systems, Routers, WiFi hotspots, HD video transmission, Gateways, Dash cameras, Public transportation
- WiFi 6e (802.11ax) networks
- Connected cars or self-driving cars, Fleet management, Logistics
- Public Safety Networks
- IoT, Industrial IoT, Zigbee, Bluetooth, WiFi

Description

The KP Performance KP-26-SPOMA-4-NF WiFi 6e Stick Omni Antenna is a high performance omnidirectional antenna designed for the 2400 MHz to 7125 MHz bands and is available to ship same day. It features a Type N Female connector, UV protection, omnidirectional patterns for outdoor or indoor use. The KP Performance KP-26-SPOMA-4-NF is ideally suited for 802.11 protocols including 802.11ax as well as IoT, Zigbee and Bluetooth.

The KP Performance high performance omni KP-26-SPOMA-4-NF is a rugged antenna providing broad coverage, low latency, increased network capacity and 4 dBi gain. This N Type Female omnidirectional antenna is suitable for commercial radios and access points in public and private networks that are equipped with N Male connectors. KP Performance's KP-26-SPOMA-4-NF supports 2.4, 5 and 6 GHz bands.

The KP-26-SPOMA-4-NF omni antenna with N Type Female connector, as well as our wide selection of superior quality RF parts, ships same day. Contact the KP Performance friendly and knowledgeable staff for your answers on any of our antennas.

Configuration

Design	Omni
Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	N Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2.4		7.25	GHz
Input VSWR			2:1	
Impedance		50		Ohms
Input Power			50	Watts

Specifications by Band

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[2.4 GHz to 2.5 GHz + 4.9 GHz to 7.2 GHz, 4/7 dBi, Omni Antenna with N Female Connector KP-26-SPOMA-4-NF](#)

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Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2,400-2,500	4,900-7,250				MHz
Bandwidth	100	2350				MHz
Gain	4	7				dBi
Horizontal HPBW	360	360				Degrees
Vertical HPBW	30	18				Degrees

Mechanical Specifications

Radome Material	Fiberglass
Size	
Length	10.2 in [259.08 mm]
Width	1 in [25.4 mm]
Height	1 in [25.4 mm]
Weight	0.33 lbs [149.69 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +70 deg C
Wind Survivability	124 MPH [199.56 KPH]
Humidity	5 to 95 %

Plotted and Other Data

Notes:

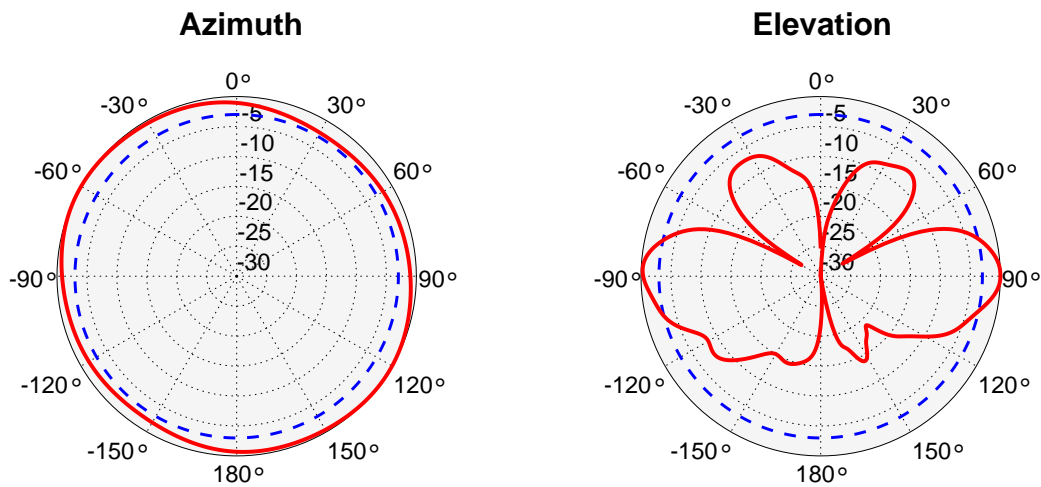
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Radiation Patterns at 2450 MHz



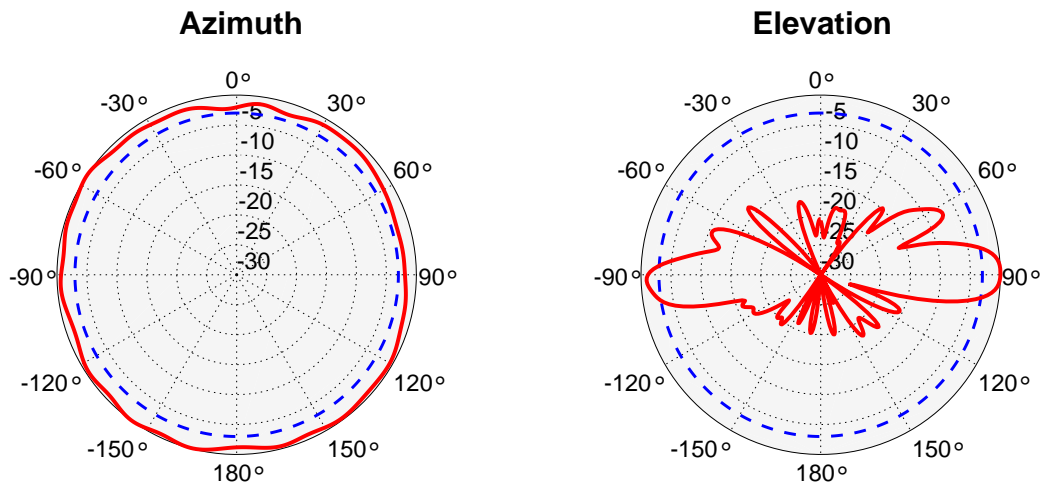
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Radiation Patterns of 5850 MHz



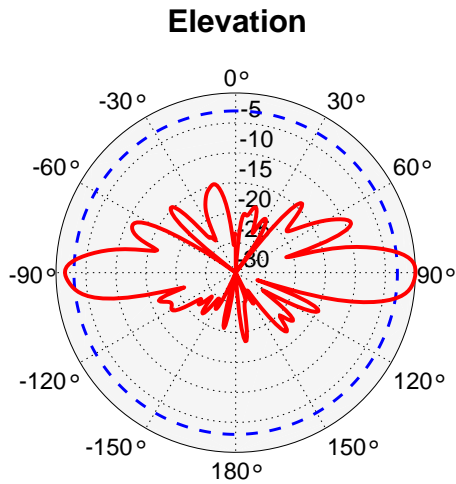
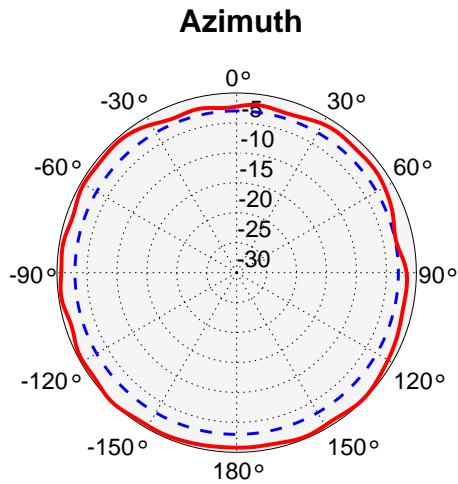
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Radiation Patterns of 7125 MHz



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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°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° 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/2.4-ghz-2.5-ghz-5.1-ghz-7.1-ghz-2.5-3.5-dbi-wifi-6e-tilt-swivel-rubber-duck-antenna-sma-male-connector-hg247103rd-sm-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. KP Performance reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. KP Performance does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and KP Performance does not assume liability arising out of the use of any part or document.

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KP-26-SPOMA-4-NF CAD Drawing

