Product Data Sheet

KP-900-SPOMA-8

824-960 MHz, 8 dBi, Vertical Polarization OMNI Antenna, 1 Port

- Operates over licensed 800MHz/900MHz and unlicensed 902-928MHz ISM band
- Lightweight, rugged industrial grade design
- Heavy duty powder coated mounting bracket
- Ideally suited for multipoint, Non Line of Sight, and mobile applications

Electrical Specification

Frequency Band	MHz	824—900	900—960
Gain	dBi	7.5±0.5	8.0±0.5
Polarization		Vertical	Vertical
Horizontal HPBW	Degree	360	360
Vertical HPBW	Degree	15±5	12±5
Electrical Downtilt	Degree	0	0
VSWR		1.7 typ | 2 max	1.5 typ | 1.7 max
Return Loss	dB	12 typ | 10 max	14 typ | 12 max
Max. Input Power per Port	W	100	100
Impedance	Ohms	50	50

Mechanical Specifications

RF Connector Type	Type N Female
RF Connector Quantity	1
RF Connector Position	Bottom of radome
Electrical Grounding	RF connector grounded to reflector and mounting bracket
Radome Material	White Fiberglass
Ingress Protection	IP55 rain and dust resistant
Operating Temperature	-40° to +60° C (-40° to +140° F)
Max. Wind Speed	210km/h | 130mph
Compliance	RoHS

Bracket Specifications

Material Type	Power Coated Steel
Mounting Type	Pipe Mount
Mounting pole diameter	30 mm – 51 mm | 1.2 in – 2.0 in

OMNI Dimensions

Diameter	38 mm | 1.5 in
Length	1613 mm | 63.5 in
Net Weight, with brackets	1.7 kg | 3.8 lb

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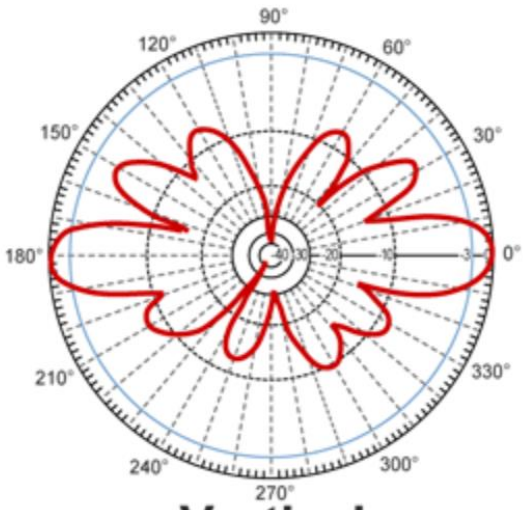
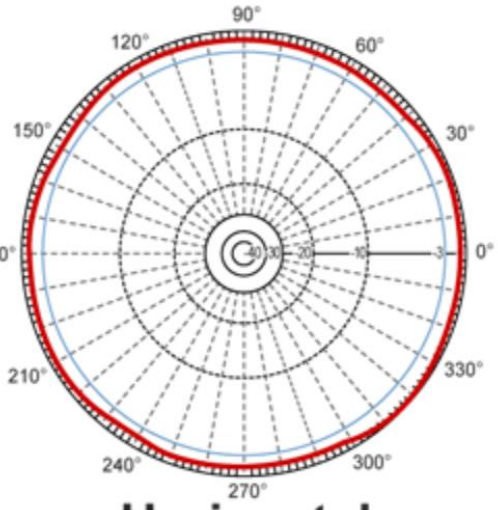
Graphical Data





Appendix

HPBW: Average and variation of the antenna's 3dB beamwidth in its horizontal (Azimuth) or vertical (Elevation) pattern.
Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.
Gain: Antenna's average gain and variation in each frequency band.

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