

4.9 - 6.425 GHz Quad Polarized Antenna

PA5-1919-QP



6 GHz, 19 dBi, 19° Quad Polarized Antenna

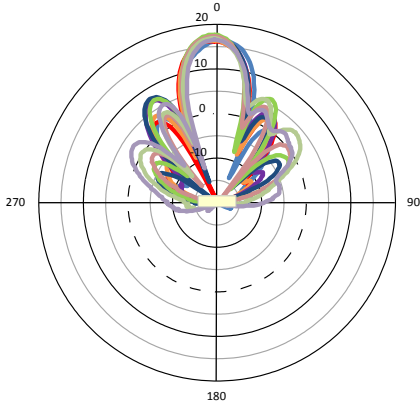
- Efficient and stable performance
- High gain/size ratio
- Light weight and durable construction
- UV protected radome made of polycarbonate allowing for harsh weather installations
- Easy mounting allowing for Azimuth and Elevation adjustment
- Quad Polarity (H/V/dual slant)

Technical Specifications

ELECTRICAL		MECHANICAL	
FREQUENCY RANGE	4.9 - 6.425 GHz	DIMENSIONS (HXWXD)	370 x 370 x 40 mm (14.5" x14.5" x1.6")
GAIN	4 x 18 dBi @ 4.9 - 5.15 GHz 4 x 19 dBi @ 5.15 - 6.425 GHz	WEIGHT	2.1 kg
VSWR, MAX.	1.7:1	CONNECTOR	4 x N-Type, Female
3 DB BEAM-WIDTH, H-PLANE, TYP	19°	BACK PLANE	Aluminum; protected through chemical passivation
3 DB BEAM-WIDTH, E-PLANE, TYP.	19°	RADOME	UV Protected Polycarbonate
SIDE LOBES, MIN.	-12 dB	MOUNT	MNT-22
POLARIZATION	Linear, Vertical, Horizontal & Dual Slant (±45°)	ENVIRONMENTAL	
CROSS POLARIZATION,TYP.	-25 dB	OPERATING TEMPERATURE RANGE	-55° C to +65° C
PORT TO PORT ISOLATION	-34 dB	VIBRATION	According to IEC 60721-3-4
FRONT TO BACK RATIO, MIN.	-35 dB	WIND LOAD	200 km/h (survival)
INPUT POWER, MAX	10 Watt	FLAMMABILITY	UL94
INPUT IMPEDANCE	50 Ohm	WATER PROOFING	IP-67
LIGHTNING PROTECTION	DC Grounded	HUMIDITY	ETS 300 019-1-4, EN 302 085 (annex.A.1.1)
		SALT FOG	According to IEC 68-2-11
		SERVICE LIFE	> 10 years

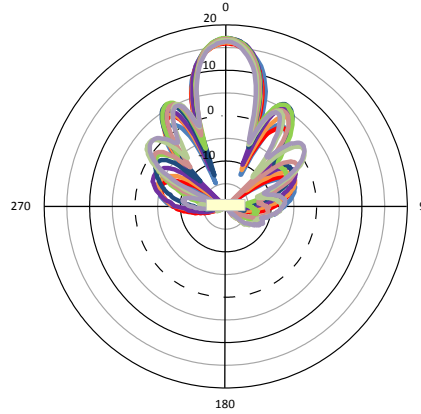
Antenna Patterns

H-pol Azimuth



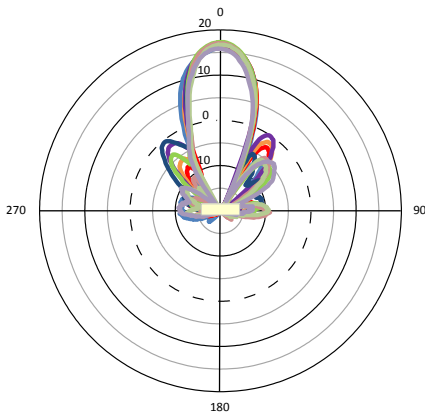
- 4.900 GHz
- 5.200 GHz
- 5.300 GHz
- 5.500 GHz
- 5.700 GHz
- 5.900 GHz
- 6.100 GHz
- 6.300 GHz
- 6.425GHz

V-pol Azimuth



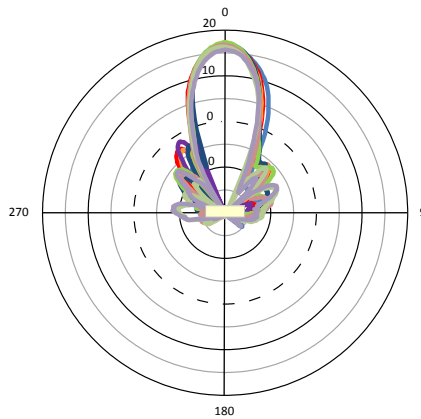
- 4.900 GHz
- 5.200 GHz
- 5.300 GHz
- 5.500 GHz
- 5.700 GHz
- 5.900 GHz
- 6.100 GHz
- 6.300 GHz
- 6.425GHz

+45-pol Azimuth



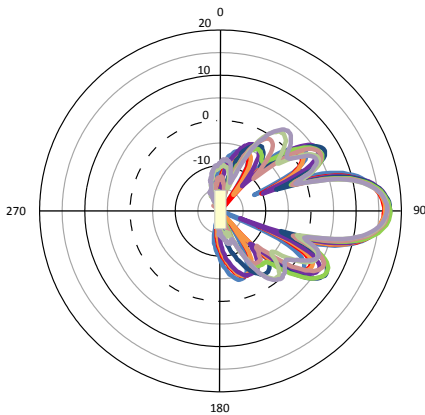
- 4.900 GHz
- 5.200 GHz
- 5.300 GHz
- 5.500 GHz
- 5.700 GHz
- 5.900 GHz
- 6.100 GHz
- 6.300 GHz
- 6.425GHz

-45-pol Azimuth



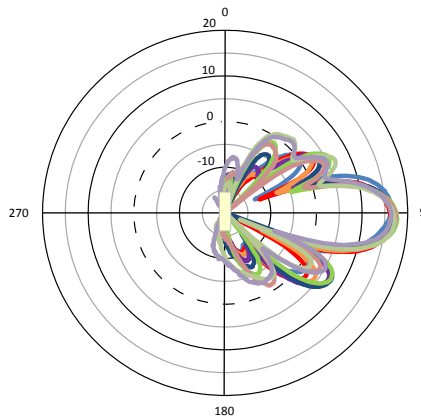
- 4.900 GHz
- 5.200 GHz
- 5.300 GHz
- 5.500 GHz
- 5.700 GHz
- 5.900 GHz
- 6.100 GHz
- 6.300 GHz
- 6.425GHz

H-pol Elevation



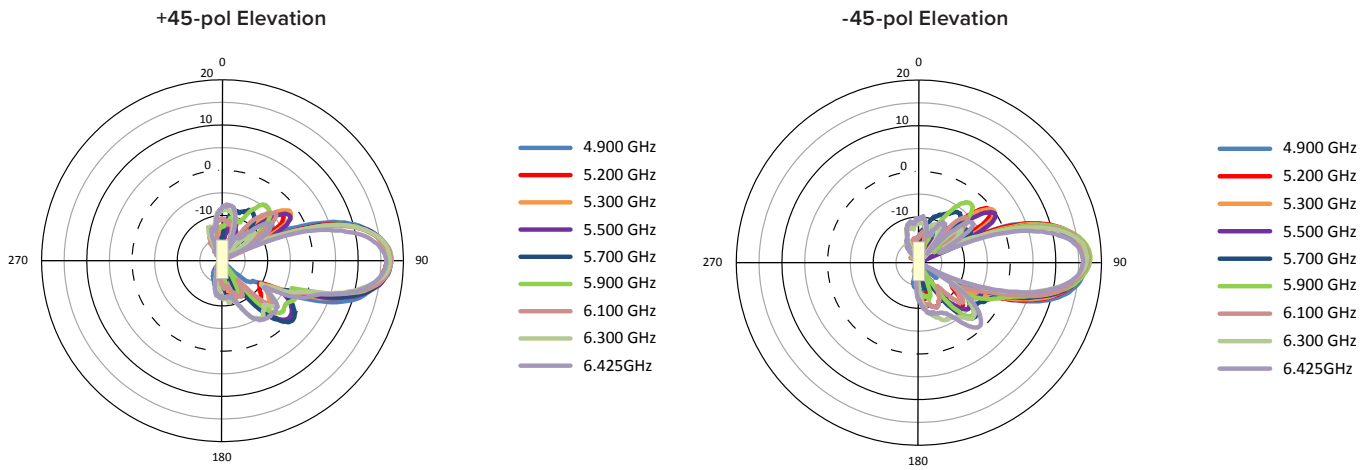
- 4.900 GHz
- 5.200 GHz
- 5.300 GHz
- 5.500 GHz
- 5.700 GHz
- 5.900 GHz
- 6.100 GHz
- 6.300 GHz
- 6.425GHz

V-pol Elevation



- 4.900 GHz
- 5.200 GHz
- 5.300 GHz
- 5.500 GHz
- 5.700 GHz
- 5.900 GHz
- 6.100 GHz
- 6.300 GHz
- 6.425GHz

Antenna Patterns



ABOUT PROXIM WIRELESS:

Proxim Wireless is a global leader in advanced wireless broadband and WiFi solutions that deliver high performance and high availability communications. Celebrating 40 years of pioneering wireless solutions, Proxim is recognized for unparalleled reliability, superior performance, and drive for innovation.

© 2023 Proxim Wireless Corporation. All rights reserved. Proxim is a registered trademark and the Proxim logo is a trademark of Proxim Wireless Corporation. All other trademarks mentioned herein are property of their respective owners. Specifications are subject to change without notice.