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X4 antenna KPPA-5GHZHV4P65S-17

5 GHz band VH polarization, quad-input 17" sector antenna

The new generation of dual-antennas from KP fit a four port radiating systems within a single compact 17 inch radome. This arrangement allows complete coverage while reducing tower rental and installation costs.

Features:

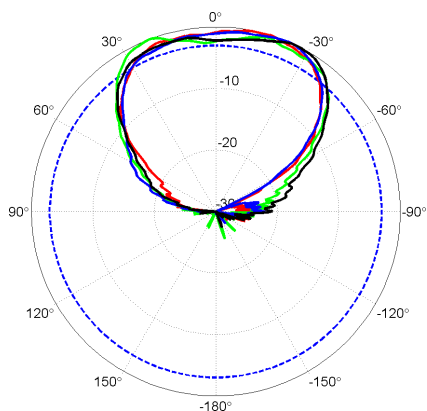
- Dual VH sector antennas 65° in a single radome
- High gain of 17.5 dBi
- Supplied with KP's over-designed universal adjustable bracket, in hot-dip galvanised steel, with wide U-bolts for mounting on poles or tower legs up to 4".
- Mounting space for Mimosa radio on back

Advantages:

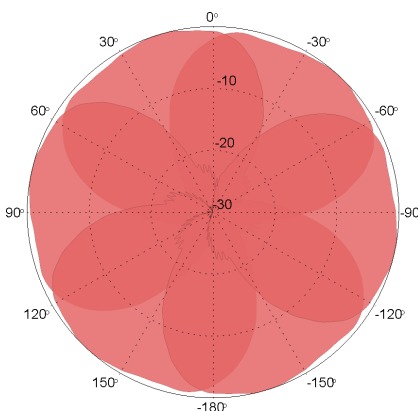
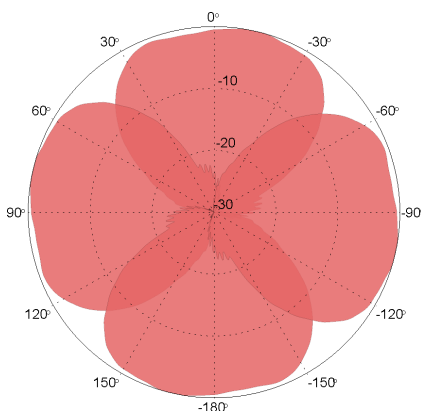
- Reduced inches on tower, only 17" tall
- True MIMO speed to the customer
- Lower wind resistance than equivalent full-size sectors
- Allows upgrade path to add a frequency band without using more space on tower.
- Faster installation than two single-band sectors

Overview pattern diagrams:

A single KPPA-5GHZHV4P65S-17 has four 5 GHz ports all facing in the same direction.



Four KPPA-5GHZHV4P65S-17 mounted around a tower give complete 360° coverage in both bands. Six can also be used for more dense applications



Also available:

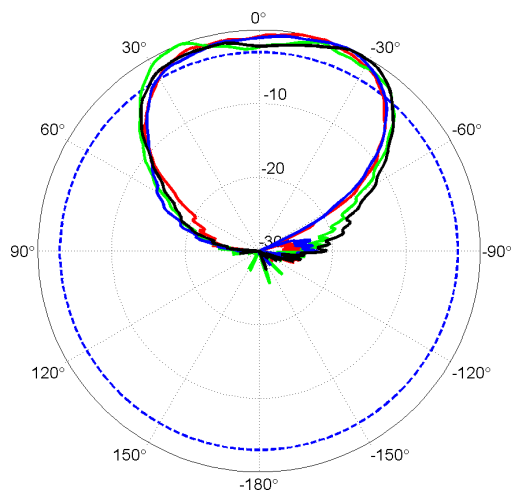
- 8-port 130 degree 17" compact sector antenna for two quad-pol radios



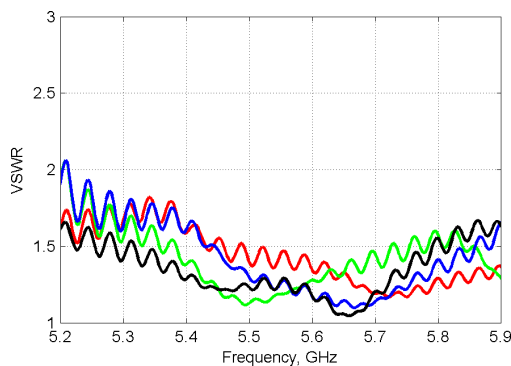
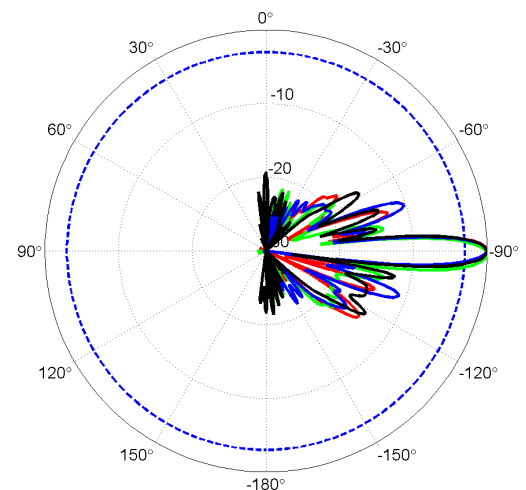
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Detailed specifications: KPPA-5GHZHV4P65S-17

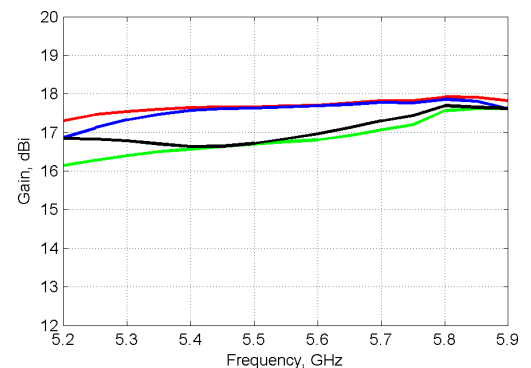
Electrical		ABCABC frequency re-use	-29 dB
Frequency range	4900-5900 MHz	Input power	50 W max per port
Polarization	Vertical/Horizontal	Impedance	50 Ω
Gain 5200-5900 MHz	17.5 dBi	Connector Type	Type N Female x 4
Gain 4900-5200 MHz	16.2 dBi	Mechanical	
Azimuth 3dB beamwidth	65 °	Dimensions	17 x 7 x 3"
Elevation 3dB beamwidth	7.6 °	Weight	10 lb
Electrical Downtilt	0.5 °	Mounting method	Carriage bolts
VSWR	< 2:1	Mounting pole dia	1 ^{3/4} " – 4" Smaller pol adapter available upon request. Ask for details.
Return loss	> 10 dB	Surface Finish	Matt powder coat
F/B ratio	> 31 dB	Environmental	
Cross-pol ratio	> 25 dB	Temperature range	-40° to +60° C / +140° F
Port to port isolation	> 24 dB	Wind speed	160 km/h / 100 mph
ABAB frequency re-use	-29 dB	UV protection	UV resistant powder coat
ABABAB frequency re-use	-24 dB	Ingress protection	IP54 rain resistant



Elevation patterns



Gain



Datasheet version 3 Nov 28, 2016

ANTENNAS ENGINEERED & MANUFACTURED TO EXCEED INDUSTRY STANDARDS