

Array Sector 5-20

SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

RF elements® Array Sector antennas provide exceptional RF performance, colocation capability, ease of installation, and cost efficiency.

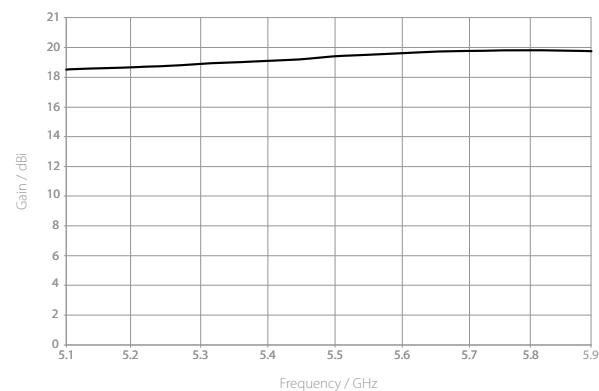
The antennas feature our patented BackShield™, a frequency selective surface that attenuates the side lobes in the azimuth plane and back radiation, integrated directly in the antenna body.

Array Sector 5-20 operates in extremely wide frequency band, has balanced gain in both polarizations, and offers unmatched main lobe stability for superior coverage performance.

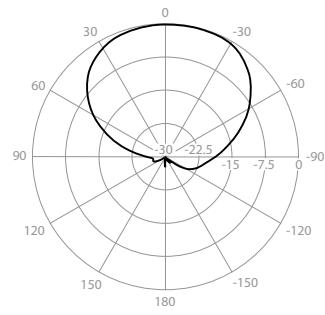


5 GHz 20 dBi

Gain H

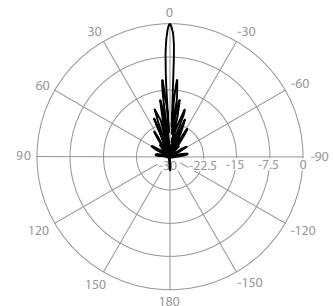


Azimuth Pattern H



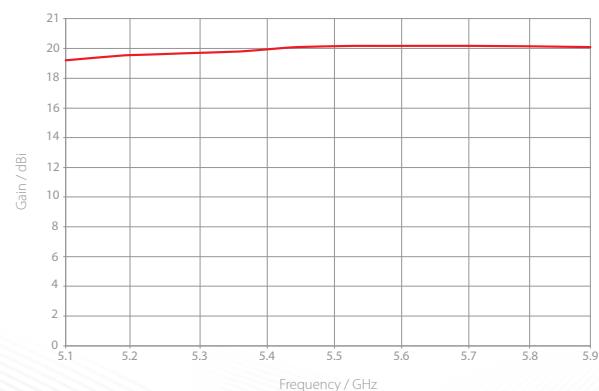
H - Port Pattern Azimuth 5.6 GHz

Elevation Pattern H

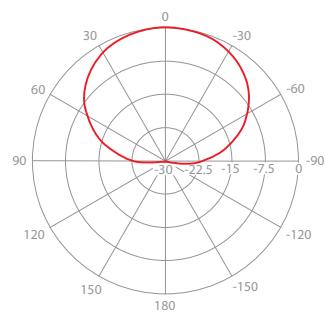


H - Port Pattern Elevation 5.6 GHz

Gain V

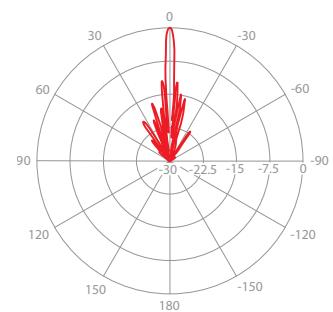


Azimuth Pattern V



V - Port Pattern Azimuth 5.6 GHz

Elevation Pattern V



V - Port Pattern Elevation 5.6 GHz

PHYSICAL

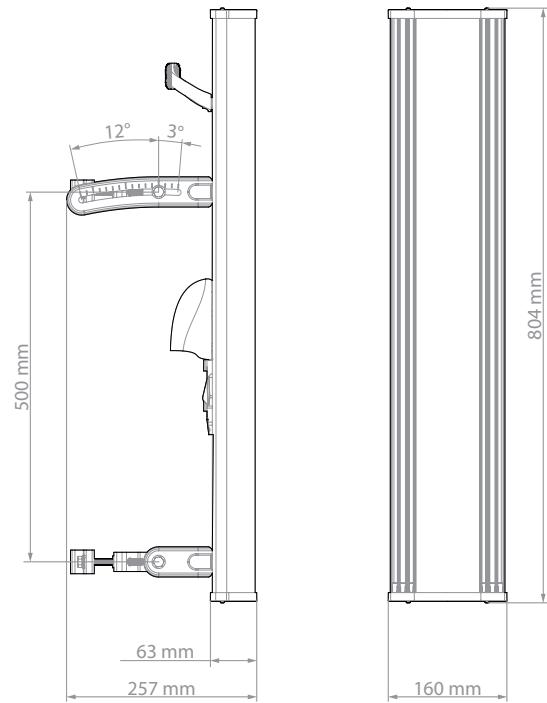
Antenna Connection	2x RP-SMA on integrated semi-flex pigtailed
Antenna Type	Patch Array Sector
Materials	UV Resistant ABS Plastic, Aluminium Alloy, Stainless Steel
Environmental	IP55
Temperature	-35°C to +55°C (-31°F to +131°F)
Wind Survival	160 km/hour
Wind Loading	160 N at 160 km/hour
Electrical Downtilt	0°
Pole Mounting Diameter	40-80 mm (recommend as close to 80 mm as possible)
Weight	3.5 kg / 7.7 lbs – single unit 3.8 kg / 8.3 lbs – single unit incl. package
Single Unit	Retail Box: 834 x 167 x 130 mm / 32.8 x 6.5 x 5.1 inch

PERFORMANCE

Frequency Range	5150 - 5850 MHz
Gain	20 dBi
Polarization	Dual Linear H + V
Azimuth Beam Width -3 dB	H 80° / V 71°
Elevation Beam Width -3 dB	H 3.5° / V 3.5°
Azimuth Beam Width -6 dB	H 100° / V 100°
Elevation Beam Width -6 dB	H 4.5° / V 4.5°
Front-to-Back Ratio (Min)	30 dB
Beam Efficiency*	69 %
Cross Pol Isolation	H 27 dB / V 27 dB
Impedance	50 Ohm
VSWR Max	1.7
VSWR Typical	1.4
Isolation Between Ports	30 dB

COMPATIBLE WIRELESS PLATFORMS

RF elements®	StationBox® S, StationBox® S CARRIER CLASS, RockShield™
Cambium Networks™	ePMP™ 1000AP and CSM* ¹ , ePMP™ 2000AP* ² , ePMP™ 3000L AP* ³
MikroTik™	BaseBox* ⁴ , NetBox* ⁴ , NetMetal* ⁴
Ubiquiti Networks™	Rocket™ M5, Rocket™ M5 Titanium, Rocket™ 5ac, Rocket™ 5ac Prism, Rocket™ 5ac Prism Gen2, airFiber® 5X, airFiber® 5X-HD, LTU™ Rocket
Mimosa® by Airspan	A5x
TP-Link	Pharos WBS510

PRODUCT DIMENSIONS

*main beam defined up to first null

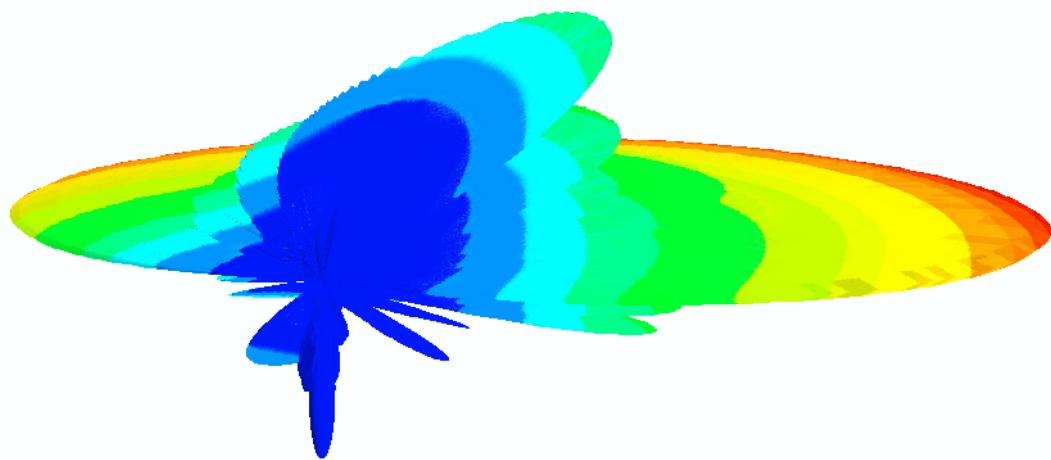
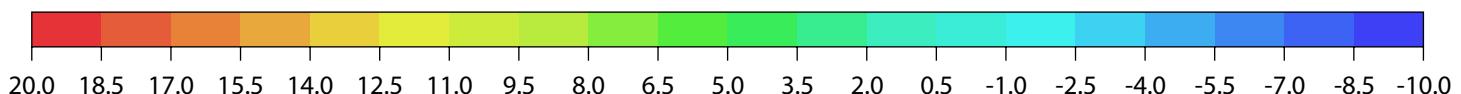
*¹with EasyBracket™ for ePMP™*²with EB_EPMP2*³with EB_ePMP3KL*⁴with EasyBracket™ 912

3D RADIATION DIAGRAM

SCALE: 30dBi

COMPATIBLE WITH: ADOBE ACROBAT READER DC. NOT SUPPORTED ON MOBILE.
USE MOUSE TO ROTATE THE DIAGRAM. SCROLL IN/OUT TO ZOOM IN/OUT

dBi



FRONT	BACK	RIGHT	LEFT	UP	DOWN
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