

# Array Sector 5-20

## SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

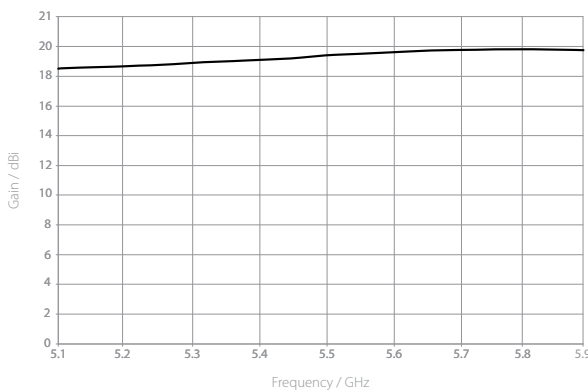
RF elements® Array Sector antennas provide exceptional RF performance, colocation capability, ease of installation, and cost efficiency. The antennas feature our patented BackShield™, a frequency selective surface that attenuates the side lobes in the azimuth plane and back radiation, integrated directly 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.

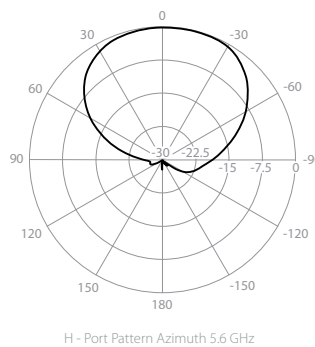


### 5 GHz 20 dBi

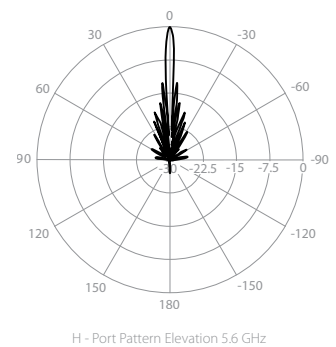
#### Gain H



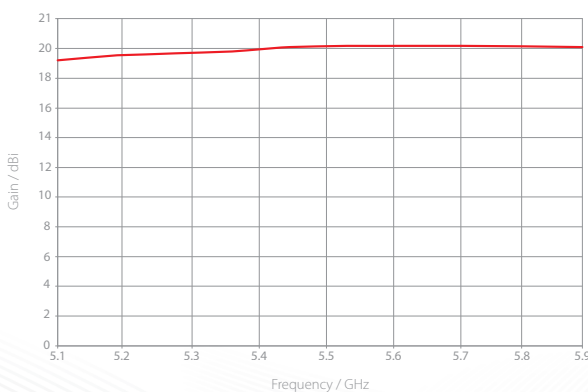
#### Azimuth Pattern H



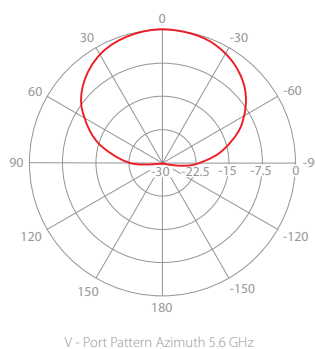
#### Elevation Pattern H



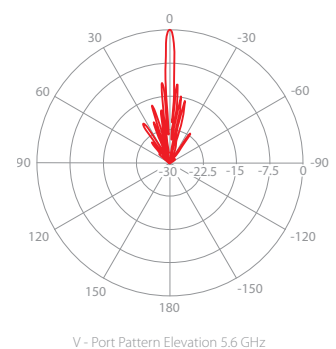
#### Gain V



#### Azimuth Pattern V



#### Elevation Pattern V



**PHYSICAL**

|                        |  |
|------------------------|--|
| Antenna Connection     | 2x RP-SMA on integrated semi-flex pigtails                                     |
| 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<br>4.5 kg / 9.9 lbs – single unit incl. package |
| Single Unit            | Retail Box: 664 x 157 x 60 mm / 26.1 x 6.1 x 2.3 inch                          |

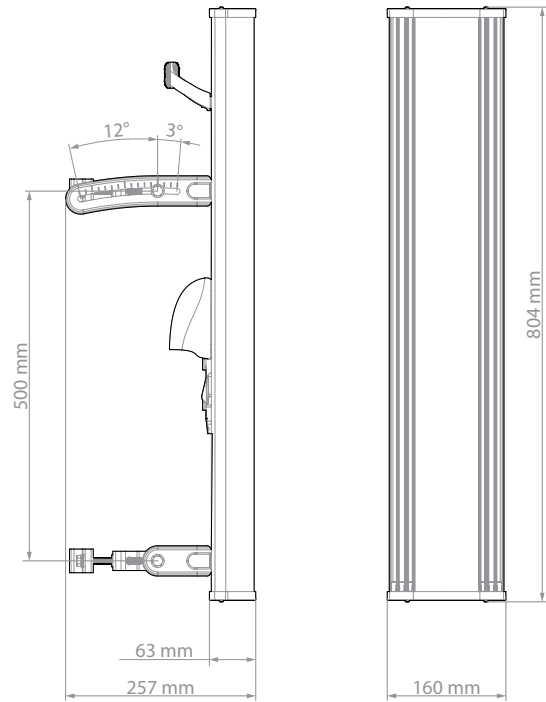
**PERFORMANCE**

|                            |                   |
|----------------------------|-------------------|
| 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  
 \*1)with EasyBracket™ for ePMP™  
 \*2)with EB\_EPMP2  
 \*3)with EB\_ePMP3kL  
 \*4)with EasyBracket™ 912