

# Sector Carrier Class 5-20 2x2 H+V

## SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

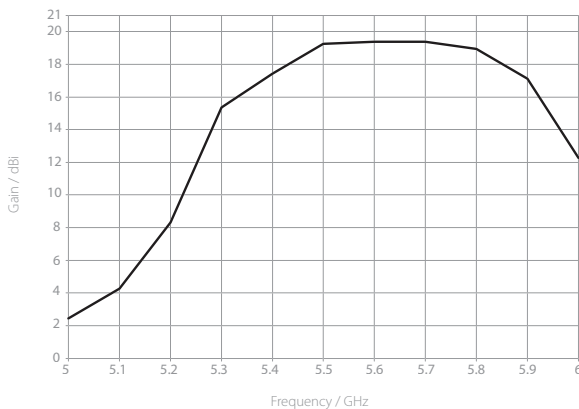
RF elements CARRIER CLASS Sectors are addressing customer requirements for exceptional RF performance, co-location noise resistance, ease of installation and cost efficiency. Our antennas feature an innovative patent pending Back-Shield™ system of frequency selective reflectors that are incorporated into the antenna structure to attenuate side lobes and backside near field radiation.

All CARRIER CLASS Sectors are designed with independent horizontal and vertical polarization antenna elements for unmatched RF performance.

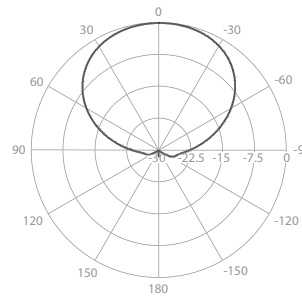


### 5 GHz 20 dBi

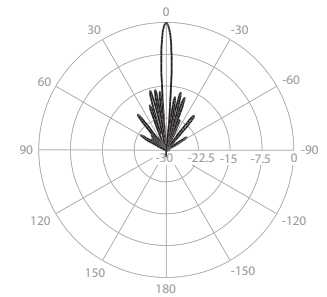
#### Gain H



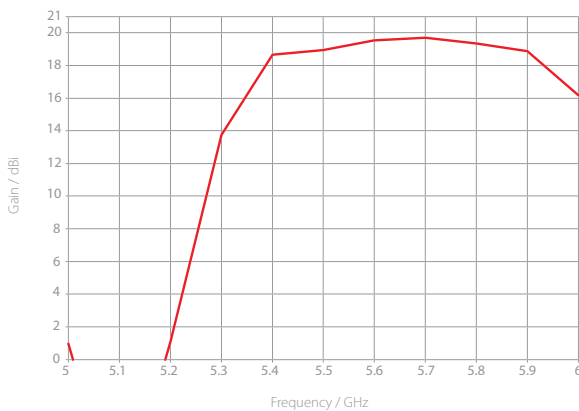
Azimuth Pattern H



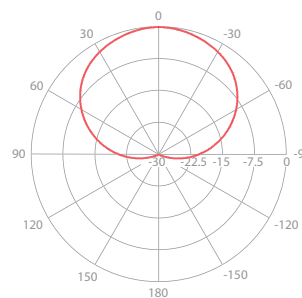
Elevation Pattern H



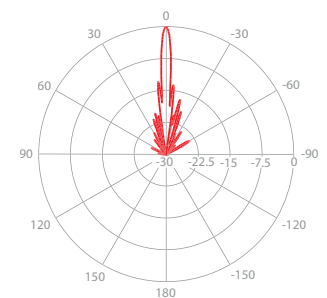
#### Gain V



Azimuth Pattern V



Elevation Pattern V



**PHYSICAL**

Antenna Connection	2x RP-SMA on integrated semi-flex pigtails
Antenna Type	<b>5 GHz 20 dBi</b>
Enviromental	IP55
Temperature	-26°C to +60°C (-15°F to +140°F)
Wind Survival	160 km/hour
Pole Mounting Diameter	max 85 mm
Weight	3 kg / 6.6 lbs – single unit 4 kg / 8.8 lbs – single unit incl. package
Single Unit	Retail Box: 115 x 10 x 22 cm

**PERFORMANCE**

Frequency Range	5450 - 5850 MHz
Gain Max	19.7 dBi
Gain Typical	19.3 dBi
Polarization	Dual Linear H + V
Azimuth Beam Width -3 dB	H 74° / V 74°
Elevation Beam Width -3 dB	H 4° / V 4°
Azimuth Beam Width -6 dB	H 96° / V 100°
Elevation Beam Width -6 dB	H 5° / V 5°
Front-to-Back Ratio (Min)	29 dB
Cross Pol Isolation	H 21 dB / V 21 dB
Impedance	50 Ohm
VSWR Max	1.8
VSWR Typical	1.35
Isolation Between Ports	27 dB

**COMPATIBLE WIRELESS PLATFORMS**

RF elements®	StationBox® S, StationBox® S CARRIER CLASS, RockShield™
Cambium Networks™	ePMP™ 1000 Connectorized Radio*
MikroTik™	BaseBox**, NetBox**, NetMetal **
Ubiquiti Networks™	UBNT Rocket™ M5, UBNT Rocket™ M5 Titanium UBNT Rocket™ 5ac

\*with EasyBracket™ for ePMP™  
\*\*with EasyBracket™ 912

**PRODUCT DIMENSIONS**

