

# Sector Carrier Class 5-16 HHV 3x3

## SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

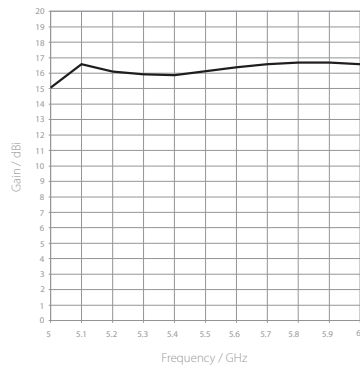
RF elements CARRIER CLASS Sectors are addressing customer requirements for exceptional RF performance, co-location noise resistance, ease of installation and cost efficiency. Our antennas feature an innovative patent pending BackShield™ system of frequency selective reflectors that are incorporated into 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.

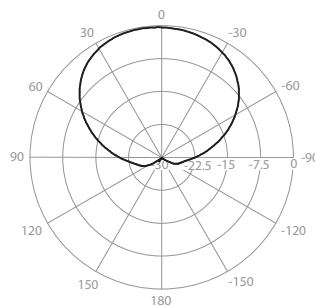


### 5 GHz 16 dBi HHV

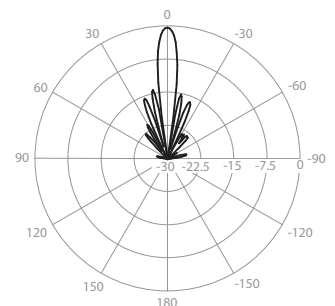
Gain H1



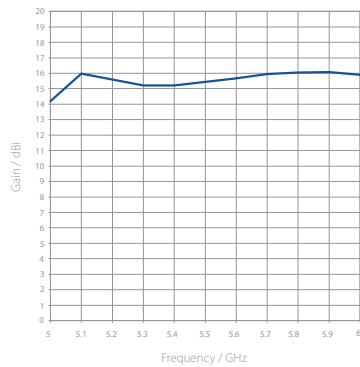
Azimuth Pattern H1



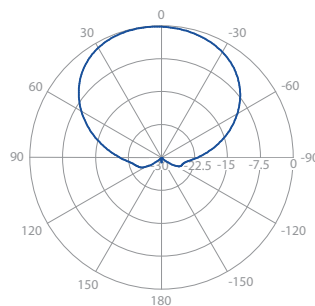
Elevation Pattern H1



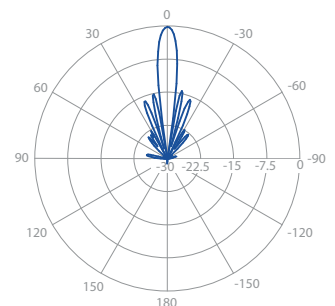
Gain H2



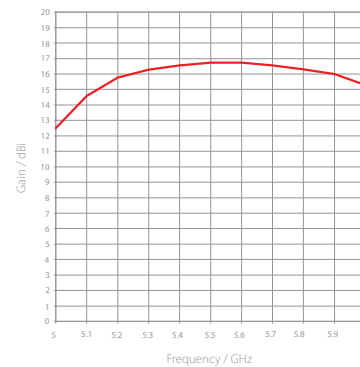
Azimuth Pattern H2



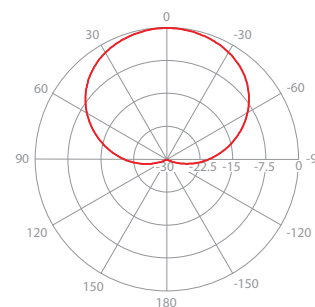
Elevation Pattern H2



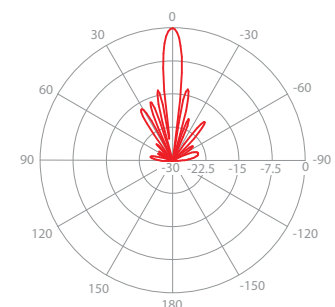
Gain V



Azimuth Pattern V



Elevation Pattern V



**PHYSICAL**

Antenna Connection	3 x RP-SMA on integrated semi-flex pigtails
Antenna Type	<b>5 GHz 16 dBi HHV</b>
Environmental	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	H1 16.7 dBi / H2 16 dBi / V 16.7 dBi
Gain Typical	H1 16.5 dBi / H2 15.8 dBi / V 16.5 dBi
Polarization	Tripple Linear H1 +H2+V
Azimuth Beam Width -3 dB	H1 77° / H2 76° / V 76°
Elevation Beam Width -3 dB	H1 7.5° / H2 7.5° / V 7.5°
Azimuth Beam Width -6 dB	H1 100° / H2 99° / V 102°
Elevation Beam Width -6 dB	H1 10° / H2 10° / V 10°
Front to Back Ratio (Min.)	30.6 dB
Polarization Isolation	V-H2 18 dB V-H1 18 dB H2-V 23 dB H2-H1 0 dB H1-V 19 dB H1-H2 0 dB
Impedance	50 Ohm
VSWR Max	1.8
VSWR Typical	1.35
Isolation Between Ports	H1-H2 44 dB H1-V 30 dB H2-V 65 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**

