

# Sector Carrier Class 5-16 HHV 3x3

## SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

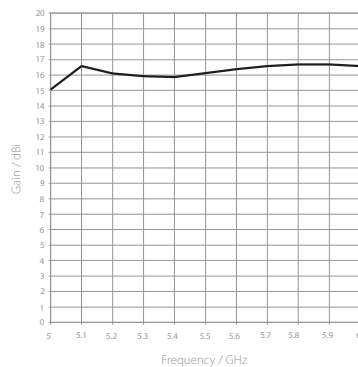
CARRIER CLASS Sectors are addressing customer requirements for RF performance, co-location noise resistance, ease of installation and cost efficiency. Antennas feature innovative BackShield™, patent pending system of frequency selective reflectors incorporated into antenna structure to attenuate side lobes and back side near field radiation.

Sector Antenna 5 GHz 16 dBi is a triple polarization version of CARRIER CLASS Sector with two horizontal polarization antennas and one vertical polarization antenna.

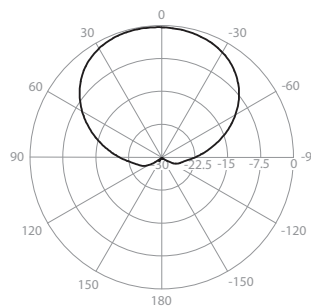


### 5 GHz 16 dBi HHV

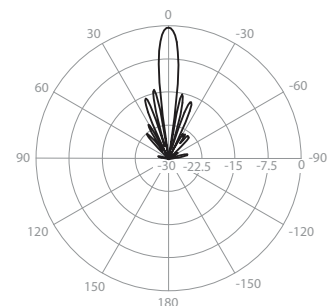
Gain H1



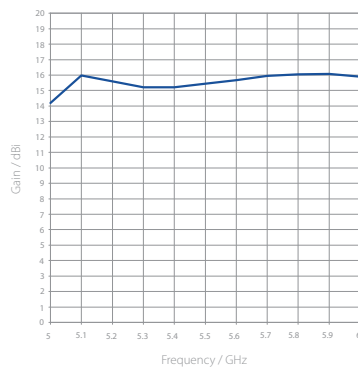
Azimuth Pattern H1



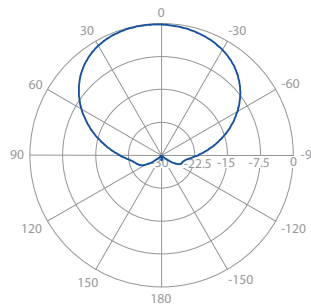
Elevation Pattern H1



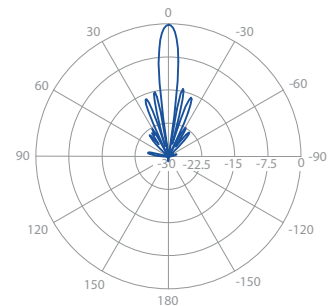
Gain H2



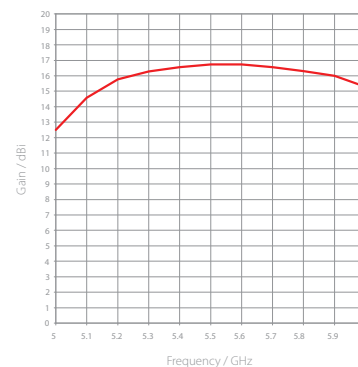
Azimuth Pattern H2



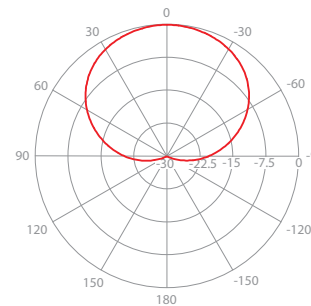
Elevation Pattern H2



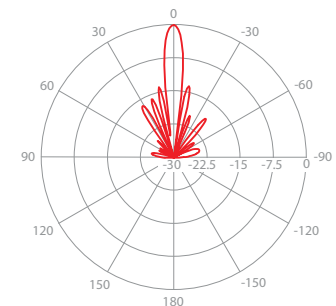
Gain V



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
Weight	3,9 kg
Single piece	N/A

**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**

