

# Sector Carrier Class 5-16 VVH 3x3

## SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

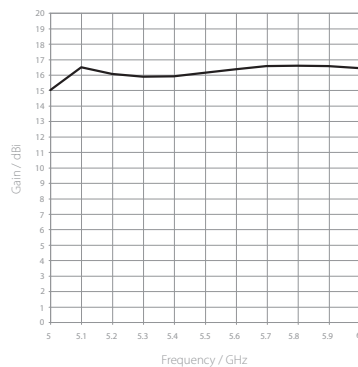
RF elements CARRIER CLASS Sectors are addressing customer requirements for exceptional RF performance, co-location noise resistance, ease of installation and cost efficiency. Our antennas feature an innovative patent pending BackShield™ system of frequency selective reflectors that are incorporated into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

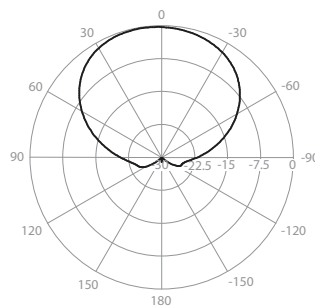


### 5 GHz 16 dBi VVH

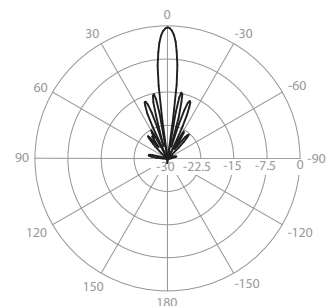
Gain H



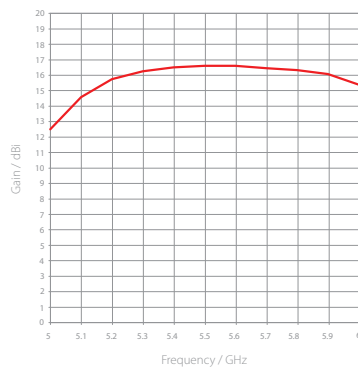
Azimuth Pattern H



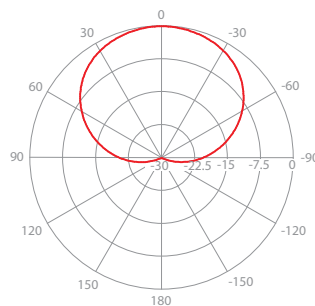
Elevation Pattern H



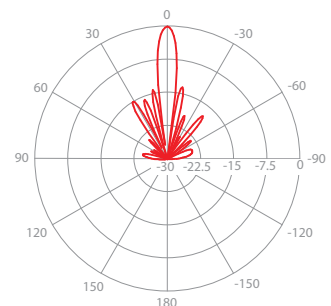
Gain V1



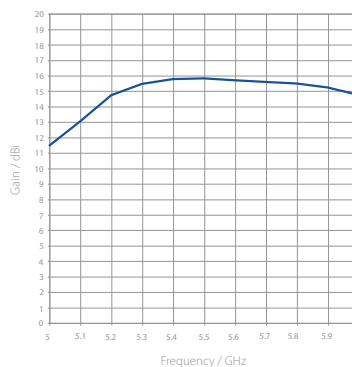
Azimuth Pattern V1



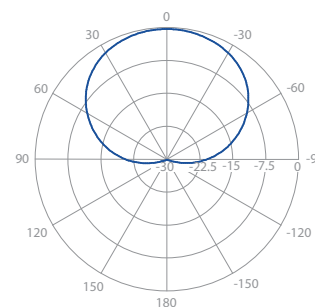
Elevation Pattern V1



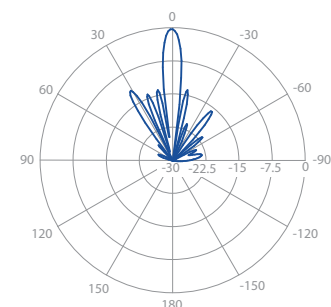
Gain V2



Azimuth Pattern V2



Elevation Pattern V2



**PHYSICAL**

Antenna Connection	3 x RP-SMA on integrated semi-flex pigtails
Antenna Type	<b>5 GHz 16 dBi VVH</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	V1 16.6 dBi / V2 15.9 dBi / H 16.6 dBi
Gain Typical	V1 16.5 dBi / V2 15.7 dBi / H 16.5 dBi
Polarization	Tripple Linear V1+V2+H
Azimuth Beam Width -3dB	V1 76° / V2 76° / H 77°
Elevation Beam Width -3dB	V2 7.5° / V2 7.5° / H 7.5°
Azimuth Beam Width -6dB	V1 102° / V2 102° / H 100°
Elevation Beam Width -6dB	V1 10° / V2 10° / H10°
Front to Back Ratio (Min.)	30.6 dB
Polarization Isolation	H-V2 19 dB H-V1 19 dB V2-H 18 dB V2-V1 0 dB V1-H 19 dB V1-V2 0 dB
Impedance	50 Ohm
VSWR Max	1.8
VSWR Typical	1.35
Isolation Between Ports	V1-V2 38 dB V1-H 30 dB V2-H 57 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**

