

# Sector Carrier Class 5-16 VVH 3x3

## SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

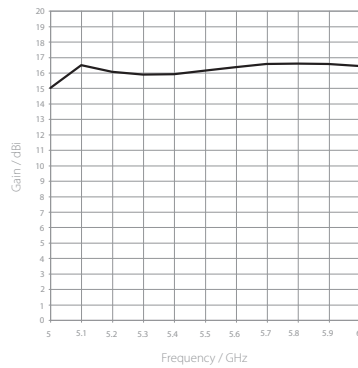
CARRIER CLASS Sectors are addressing customer requirements for RF performance, co-location noise resistance, ease of installation and cost efficiency. Antennas feature innovative BackShield™, patent pending system of frequency selective reflectors incorporated into antenna structure to attenuate side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

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

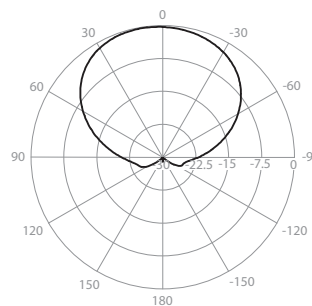


### 5 GHz 16 dBi VVH

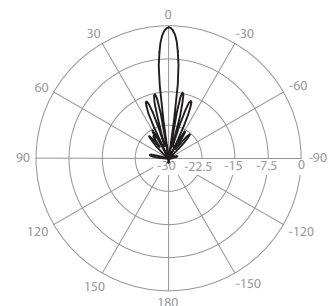
Gain H



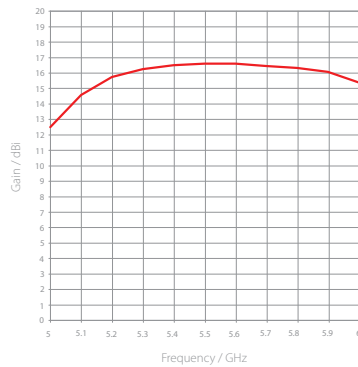
Azimuth Pattern H



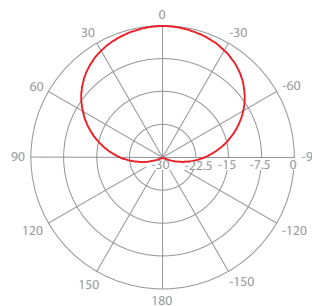
Elevation Pattern H



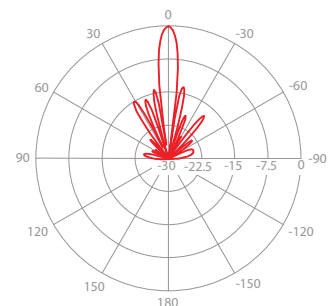
Gain V1



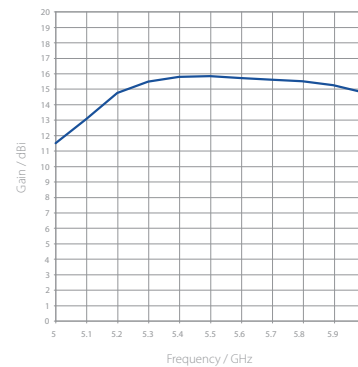
Azimuth Pattern V1



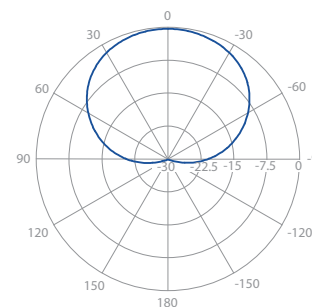
Elevation Pattern V1



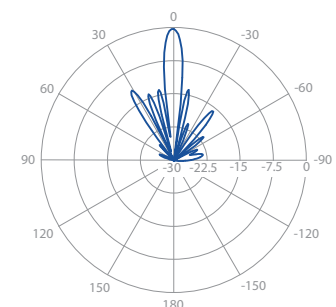
Gain V2



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
Weight	3,9 kg
Wind Survival	160 km/hour
Single piece	N/A

**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**

