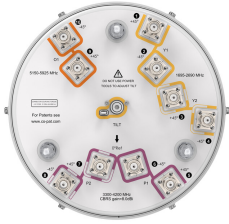


# VVSSP-360S-M-V4



10-port small cell antenna, 4x 1695–2690, 4x3300–4200 and 2x 5150–5925 MHz. 360° Horizontal Beamwidth, MANUAL ELECTRICAL TILT

## General Specifications

<b>Antenna Type</b>	Omni
<b>Band</b>	Multiband
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	ASA
<b>Radiator Material</b>	Aluminum   Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	4.3-10 Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	10
<b>RF Connector Quantity, total</b>	10

## Dimensions

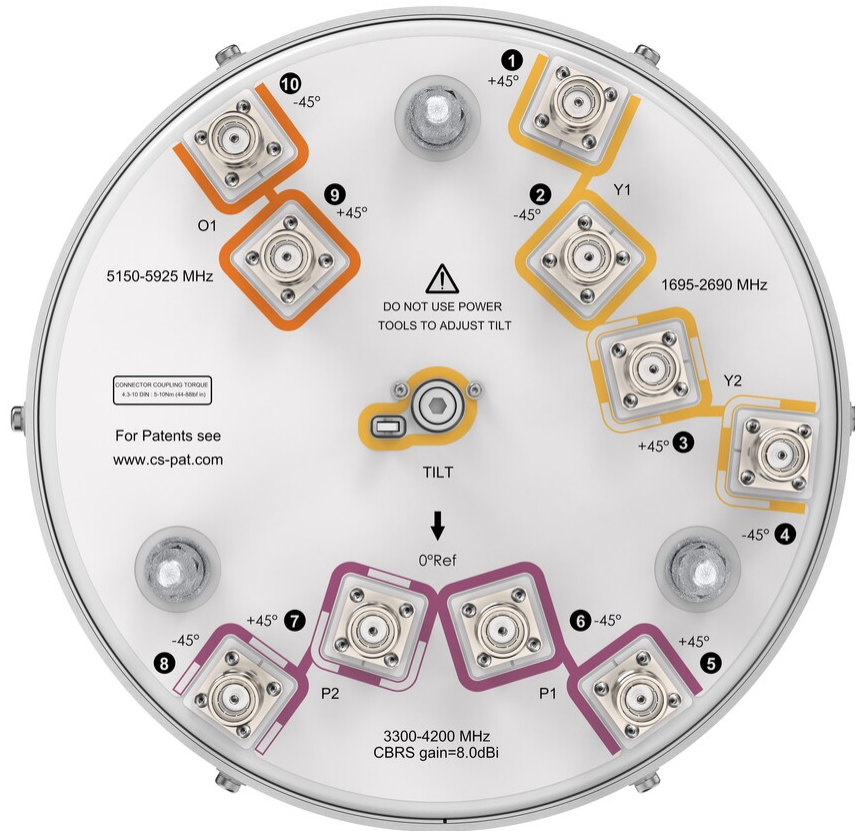
<b>Length</b>	610 mm   24.016 in
<b>Net Weight, without mounting kit</b>	13 kg   28.66 lb
<b>Outer Diameter</b>	305 mm   12.008 in

## 5 GHz Port Power Table

<b>5 GHz FCC Power Requirements</b>				
<b>U-NII Band</b>	<b>U-NII 1</b>	<b>U-NII 2A</b>	<b>U-NII 2C</b>	<b>U-NII 3</b>
<b>Frequency (MHz)</b>	<b>5150 - 5250</b>	<b>5250 - 5350</b>	<b>5470 - 5725</b>	<b>5725 - 5850</b>
<b>Max Input power per port to align with FCC Title 47 Part 15 (Watts)</b>	<b>0.5</b>	<b>0.125</b>	<b>0.125</b>	<b>0.5</b>

## Port Configuration

# VVSSP-360S-M-V4



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz   3300 – 4200 MHz   5150 – 5925 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	500 W

## Electrical Specifications

Frequency Band, MHz	1695–1880	1850–1990	1920–2180	2300–2690	3300–3550	3550–3700	3700–4200	5150–5925
<b>Gain, dBi</b>	7.8	8.4	8.5	8.4	7.3	7.8	9.3	4.3
<b>Beamwidth, Horizontal, degrees</b>	360	360	360	360	360	360	360	360
<b>Beamwidth, Vertical, degrees</b>	21.2	19.5	18.3	15.8	30.4	29.9	32.9	24.6
<b>Beam Tilt, degrees</b>	2–10	2–10	2–10	2–10	0	0	0	0
<b>USLS (First Lobe), dB</b>	14	14	14	12	14	14	14	
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25	25	25	25	25

# VVSSP-360S-M-V4

<b>Isolation, Inter-band, dB</b>	25	25	25	25	25	25	25	25
<b>VSWR   Return loss, dB</b>	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	-153	-140	-140	-140	
<b>Input Power per Port, maximum, watts</b>	125	125	125	125	100	100	100	10
<b>Input Power per Port at 50°C, maximum, watts</b>	75	75	75	75	50	50	50	5

## Electrical Specifications, BASTA

<b>Frequency Band, MHz</b>	<b>1695–1880</b>	<b>1850–1990</b>	<b>1920–2180</b>	<b>2300–2690</b>	<b>3300–3550</b>	<b>3550–3700</b>	<b>3700–4200</b>	<b>5150–5925</b>
<b>Gain by all Beam Tilts, average, dBi</b>	7.2	7.8	7.8	7.8	6.7	7.4	8.3	3.2
<b>Gain by all Beam Tilts Tolerance, dB</b>	±0.8	±0.6	±0.6	±0.8	±0.8	±0.8	±0.9	±1.3
<b>Gain by Beam Tilt, average, dBi</b>	2° 7.0 6° 7.2 10° 7.3	2° 7.6 6° 7.8 10° 8.0	2° 7.5 6° 7.8 10° 8.1	2° 7.5 6° 7.9 10° 8.1				
<b>Beamwidth, Vertical Tolerance, degrees</b>	±2.3	±2	±1.7	±2.2	±4.5	±2.2	±4.3	±3.5

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	102.0 N @ 150 km/h (22.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	102.0 N @ 150 km/h (22.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	102.0 N @ 150 km/h (22.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	102.0 N @ 150 km/h (22.9 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241.4 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	418 mm   16.457 in
<b>Depth, packed</b>	404 mm   15.906 in
<b>Length, packed</b>	888 mm   34.961 in
<b>Weight, gross</b>	17.5 kg   38.581 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>

# VVSSP-360S-M-V4

---

ROHS Compliant/Exempted  
UK-ROHS Compliant/Exempted



## \* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance