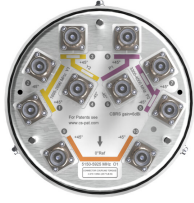


# VVSSP-360S-F



10-port small cell antenna, 4x 1695-2690, 4x 3300-4000, 2x 5150-5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

- Broadband Mid Band arrays (AWS/PCS/WCS/Band 41) with 4T4R (4X MIMO) capability
- Broadband performance – optimized for CBRS and C-bands

## General Specifications

<b>Antenna Type</b>	Small Cell
<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>	Fiberglass, UV resistant
<b>Radiator Material</b>	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, low band</b>	0
<b>RF Connector Quantity, total</b>	10

## Dimensions

<b>Width</b>	200 mm   7.874 in
<b>Depth</b>	200 mm   7.874 in
<b>Length</b>	600 mm   23.622 in
<b>Net Weight, antenna only</b>	7 kg   15.432 lb

## 5 GHz Port Power Table

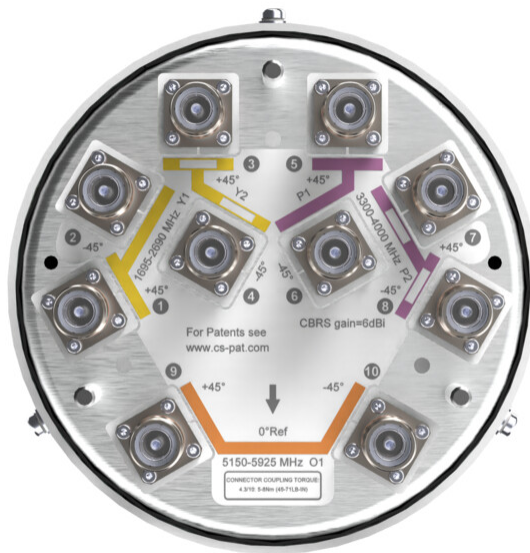
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5 GHz FCC Power Requirements				
U-NII Band	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency (MHz)	5150 - 5250	5250 - 5350	5470 - 5725	5725 - 5850
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	0.5	0.125	0.125	0.5

## Port Configuration

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## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz   3300 – 4000 MHz   5150 – 5925 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	300 W

## Electrical Specifications

	Y1-Y2	Y1-Y2	Y1-Y2	P1-P2	P1-P2	P1-P2	O1
<b>Frequency Band, MHz</b>	<b>1695–1920</b>	<b>1920–2180</b>	<b>2300–2690</b>	<b>3300–3550</b>	<b>3550–3700</b>	<b>3700–4000</b>	<b>5150–5925</b>
<b>RF Port</b>	1-4	1-4	1-4	5-8	5-8	5-8	9-10
<b>Gain, dBi</b>	6.6	7.3	8.2	5.6	5.9	6	5.1
<b>Beamwidth, Horizontal, degrees</b>	360	360	360	360	360	360	360
<b>Beamwidth, Vertical, degrees</b>	21.9	19.1	15.6	38.8	36.8	34.1	22.4
<b>Beam Tilt, degrees</b>	7	7	7	0	0	0	0
<b>USLS (First Lobe), dB</b>	14	14	14	6	6	5	9
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25	25	25	25

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<b>Isolation, Inter-band, dB</b>	28	28	28	28	28	28	28
<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
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-150	-145	-145	-145	
<b>Input Power per Port, maximum, watts</b>	125	125	125	35	35	35	5

## Electrical Specifications, BASTA

<b>Frequency Band, MHz</b>	<b>1695-1920</b>	<b>1920-2180</b>	<b>2300-2690</b>	<b>3300-3550</b>	<b>3550-3700</b>	<b>3700-4000</b>	<b>5150-5925</b>
<b>Gain by all Beam Tilts, average, dBi</b>	6.3	7.1	7.9	5.2	5.5	5.5	4.4
<b>Gain by all Beam Tilts Tolerance, dB</b>	±0.6	±0.5	±0.5	±0.6	±0.5	±0.5	±1.1
<b>Beamwidth, Vertical Tolerance, degrees</b>	±2	±2.3	±1.5	±1	±0.9	±1.1	±6.5

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241.4 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	320 mm   12.598 in
<b>Depth, packed</b>	300 mm   11.811 in
<b>Length, packed</b>	850 mm   33.465 in
<b>Weight, gross</b>	9.6 kg   21.164 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
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



### \* Footnotes

# VVSSP-360S-F

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**Performance Note**

Severe environmental conditions may degrade optimum performance