

# V4SSPP-360S-F



16-port small cell antenna, 8 x 1695-2690, 4 x 3300-4000, 4 x 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>	ASA, UV stabilized
<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>	16
<b>RF Connector Quantity, low band</b>	0
<b>RF Connector Quantity, total</b>	16

## Dimensions

<b>Width</b>	305 mm   12.008 in
<b>Depth</b>	305 mm   12.008 in
<b>Length</b>	620 mm   24.409 in
<b>Net Weight, antenna only</b>	13.3 kg   29.321 lb

## 5 GHz Port Power Table

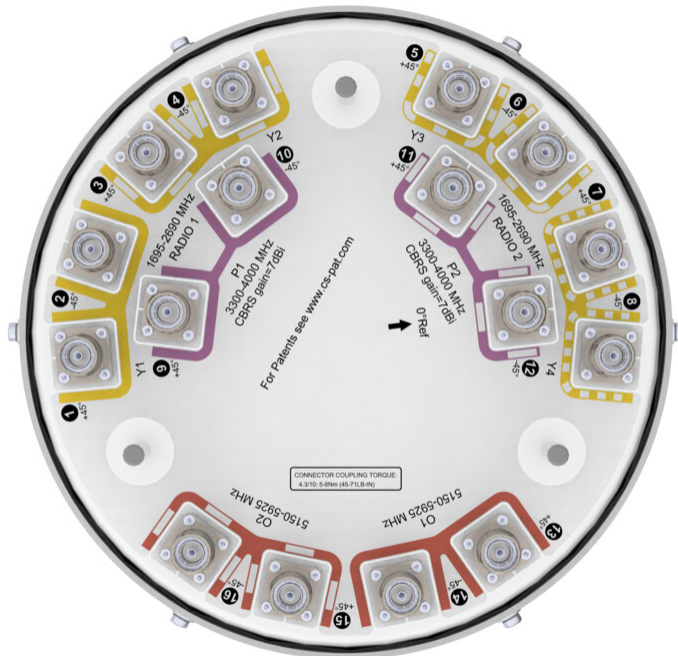
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<b>5 GHz FCC Power Requirements</b>				
<b>U-NII Band</b>	<b>U-NII 1</b>	<b>U-NII 2A</b>	<b>U-NII 2C</b>	<b>U-NII 3</b>
<b>Frequency (MHz)</b>	<b>5150 - 5250</b>	<b>5250 - 5350</b>	<b>5470 - 5725</b>	<b>5725 - 5850</b>
<b>Max Input power per port to 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

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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 @ 50 °C

## Electrical Specifications

	Y1-Y4	Y1-Y4	Y1-Y4	P1-P2	P1-P2	P1-P2	O1-O2
<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>	1-8	1-8	1-8	9-12	9-12	9-12	13-16
<b>Gain, dBi</b>	7.2	7.3	8.4	6.4	6.2	6.2	4
<b>Beamwidth, Horizontal, degrees</b>	360	360	360	360	360	360	360
<b>Beamwidth, Vertical, degrees</b>	21.5	18.7	15.1	38.2	37.8	36.8	25.5
<b>Beam Tilt, degrees</b>	7	7	7	2	2	2	2
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25	25	25	25
<b>Isolation, Inter-band, dB</b>	25	25	25	25	25	25	25

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<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	50	50	50	10
<b>Input Power per Port at 50°C, maximum, watts</b>	75	75	75	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>	6.7	7	8	6	5.7	5.8	3.4
<b>Gain by all Beam Tilts Tolerance, dB</b>	±0.8	±0.3	±0.9	±0.6	±0.4	±0.5	±0.7
<b>Beamwidth, Vertical Tolerance, degrees</b>	±2.3	±1.7	±1.4	±4	±2.4	±3	±4.3

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	103.0 N @ 150 km/h (23.2 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>	17.8 kg   39.242 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



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## \* Footnotes

### **Performance Note**

Severe environmental conditions may degrade optimum performance