

# V4SSPP-360S-F



16-port small cell antenna, 8x 1695–2690, 4x 3400–3800 and 4x 5150–5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

## Electrical Specifications

Frequency Band, MHz	1695–1920	1920–2180	2300–2690	3300–3800	5150–5925
Gain, dBi	9.8	10.1	11.1	8.5	4.0
Beamwidth, Horizontal, degrees	360	360	360	360	360
Beamwidth, Vertical, degrees	21.5	18.7	15.1	37.7	25.5
Beam Tilt, degrees	7	7	7	2	2
USLS (First Lobe), dB	14	12	12	15	5
Isolation, dB	25	25	25	25	25
Isolation, Intersystem, dB	25	25	25	25	25
VSWR   Return Loss, dB	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-150		
Input Power per Port at 50°C, maximum, watts	75	75	75		
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

## Electrical Specifications, BASTA\*

Frequency Band, MHz	1695–1920	1920–2180	2300–2690	3300–3800	5150–5925
Gain by all Beam Tilts, average, dBi	9.1	9.6	10.3	7.9	3.4
Gain by all Beam Tilts Tolerance, dB	±1.1	±0.7	±0.8	±0.7	±0.7
Beamwidth, Vertical Tolerance, degrees	±2.3	±1.7	±1.4	±5.4	±4.3
USLS, beampeak to 20° above beampeak, dB	10	15	14		5
CPR at Boresight, dB	12	16	17	15	13

\* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs](#).

## 5 GHz Port Power Table

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

## General Specifications

<b>Operating Frequency Band</b>	1695 – 2690 MHz   3300 – 3800 MHz   5150 – 5925 MHz
<b>Antenna Type</b>	Small Cell
<b>Band</b>	Multiband
<b>Performance Note</b>	Outdoor usage
<b>Total Input Power, maximum</b>	300 W @ 50 °C

## Mechanical Specifications

<b>RF Connector Quantity, total</b>	16
<b>RF Connector Quantity, high band</b>	16
<b>RF Connector Interface</b>	4.3-10 Female
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Radiator Material</b>	Low loss circuit board
<b>Radome Material</b>	ASA, UV stabilized
<b>Reflector Material</b>	Aluminum
<b>RF Connector Location</b>	Bottom
<b>Wind Loading, frontal</b>	140.0 N @ 150 km/h 31.5 lbf @ 150 km/h
<b>Wind Speed, maximum</b>	241 km/h   150 mph

## Dimensions

<b>Length</b>	620.0 mm   24.4 in
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# V4SSPP-360S-F

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**Outer Diameter** 305.0 mm | 12.0 in  
**Net Weight, without mounting kit** 13.3 kg | 29.3 lb

## Packed Dimensions

**Length** 888.0 mm | 35.0 in  
**Width** 418.0 mm | 16.5 in  
**Depth** 404.0 mm | 15.9 in  
**Shipping Weight** 17.8 kg | 39.2 lb

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
China RoHS SJ/T 11364-2006  
ISO 9001:2008

### Classification

Compliant by Exemption  
Above Maximum Concentration Value (MCV)  
Designed, manufactured and/or distributed under this quality management system



## \* Footnotes

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