

V4SSPP-360S-F



16-port small cell antenna, 8x 1695–2690, 4x 3300–3800 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	7.2	7.3	8.4	5.4	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, Cross Polarization, dB	25	25	25	25	25
Isolation, Inter-band, 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	6.7	7.0	8.0	4.9	3.4
Gain by all Beam Tilts Tolerance, dB	±0.8	±0.3	±0.9	±0.6	±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

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

Mechanical Specifications

RF Connector Quantity, total	16
RF Connector Quantity, high band	16
RF Connector Interface	4.3-10 Female
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Low loss circuit board
Radome Material	ASA, UV stabilized
Reflector Material	Aluminum
RF Connector Location	Bottom
Wind Loading, frontal	103.0 N @ 150 km/h 23.2 lbf @ 150 km/h
Wind Loading, maximum	103.0 N @ 150 km/h 23.2 lbf @ 150 km/h
Wind Speed, maximum	241 km/h 150 mph

Dimensions

V4SSPP-360S-F

Length	620.0 mm 24.4 in
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

ISO 9001:2015

China RoHS SJ/T 11364-2014

Classification

Compliant by Exemption

Designed, manufactured and/or distributed under this quality management system

Above Maximum Concentration Value (MCV)



* Footnotes

Performance Note

Severe environmental conditions may degrade optimum performance