

VVSSP-360S-F



10-port small cell antenna, 4x 1695–2690, 4x 3400–3800 and 2x 5150–5925 MHz. 360° Horizontal Beamwidth, fixed tilt.

Electrical Specifications

Frequency Band, MHz	1695–1920	1920–2180	2300–2690	3400–3800	5150–5925
Gain, dBi	9.3	10.3	10.6	8.5	5.1
Beamwidth, Horizontal, degrees	360	360	360	360	360
Beamwidth, Vertical, degrees	21.9	19.1	15.6	39.0	22.4
Beam Tilt, degrees	7	7	7	0	0
USLS (First Lobe), dB	14	14	12	19	9
Isolation, dB	25	25	25	25	25
Isolation, Intersystem, dB	28	28	28	28	28
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, maximum, watts	125	125	125	50	10
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm				

Electrical Specifications, BASTA*

Frequency Band, MHz	1695–1920	1920–2180	2300–2690	3400–3800	5150–5925
Gain by all Beam Tilts, average, dBi	8.8	9.9	10.2	7.8	4.4
Gain by all Beam Tilts Tolerance, dB	±0.8	±0.7	±0.6	±0.6	±1.1
Beamwidth, Vertical Tolerance, degrees	±2	±2.3	±1.5	±5.7	±6.5

* 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 3400 – 3800 MHz 5150 – 5925 MHz
Antenna Type	Small Cell
Band	Multiband
Performance Note	Outdoor usage

Mechanical Specifications

RF Connector Quantity, total	10
RF Connector Quantity, high band	10
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	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Location	Bottom
Wind Loading, frontal	90.0 N @ 150 km/h 20.2 lbf @ 150 km/h
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Length	600.0 mm 23.6 in
Outer Diameter	200.0 mm 7.9 in

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Net Weight, without mounting kit 7.0 kg | 15.4 lb

Packed Dimensions

Length	850.0 mm 33.5 in
Width	320.0 mm 12.6 in
Depth	300.0 mm 11.8 in
Shipping Weight	9.6 kg 21.2 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