

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

Antenna Type	Small Cell
Band	Multiband
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	ASA, UV stabilized
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	16
RF Connector Quantity, low band	0
RF Connector Quantity, total	16

Dimensions

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

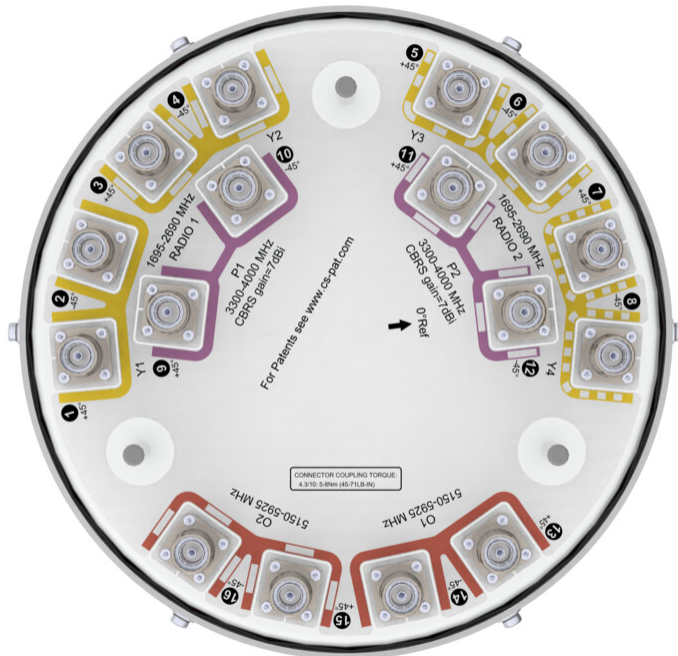
5 GHz Port Power Table

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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

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

Electrical Specifications

	Y1-Y4	Y1-Y4	Y1-Y4	P1-P2	P1-P2	P1-P2	O1-O2
Frequency Band, MHz	1695–1920	1920–2180	2300–2690	3300–3550	3550–3700	3700–4000	5150–5925
RF Port	1-8	1-8	1-8	9-12	9-12	9-12	13-16
Gain, dBi	7.2	7.3	8.4	6.4	6.2	6.2	4
Beamwidth, Horizontal, degrees	360	360	360	360	360	360	360
Beamwidth, Vertical, degrees	21.5	18.7	15.1	38.2	37.8	36.8	25.5
Beam Tilt, degrees	7	7	7	2	2	2	2
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25
Isolation, Inter-band, dB	25	25	25	25	25	25	25

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VSWR Return loss, dB	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
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-150	-145	-145	-145	
Input Power per Port, maximum, watts	125	125	125	50	50	50	10
Input Power per Port at 50°C, maximum, watts	75	75	75	35	35	35	5

Electrical Specifications, BASTA

	1695–1920	1920–2180	2300–2690	3300–3550	3550–3700	3700–4000	5150–5925
Frequency Band, MHz							
Gain by all Beam Tilts, average, dBi	6.7	7	8	6	5.7	5.8	3.4
Gain by all Beam Tilts Tolerance, dB	±0.8	±0.3	±0.9	±0.6	±0.4	±0.5	±0.7
Beamwidth, Vertical Tolerance, degrees	±2.3	±1.7	±1.4	±4	±2.4	±3	±4.3

Mechanical Specifications

Wind Loading @ Velocity, frontal	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
Wind Speed, maximum	241.4 km/h (150 mph)

Packaging and Weights

Width, packed	418 mm 16.457 in
Depth, packed	404 mm 15.906 in
Length, packed	888 mm 34.961 in
Weight, gross	17.8 kg 39.242 lb

Regulatory Compliance/Certifications

Agency	Classification
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