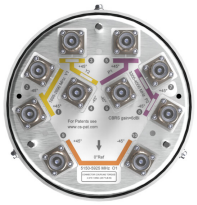
VVSSP-360S-F



10-port small cell antenna, 4x 1695-2690, 4x 3300-4000, 2x 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	Fiberglass, UV resistant
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	10
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	0
RF Connector Quantity, total	10

Dimensions

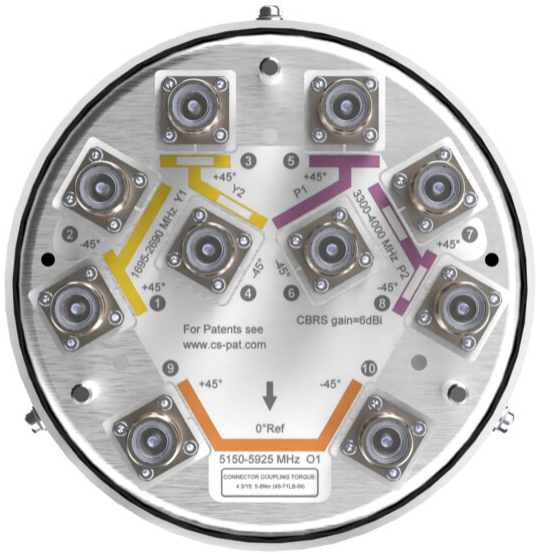
Width	200 mm | 7.874 in
Depth	200 mm | 7.874 in
Length	600 mm | 23.622 in
Net Weight, antenna only	7 kg | 15.432 lb

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

Port Configuration

VVSSP-360S-F



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

Electrical Specifications

	Y1-Y2	Y1-Y2	Y1-Y2	P1-P2	P1-P2	P1-P2	O1
Frequency Band, MHz	**1695–1920**	**1920–2180**	**2300–2690**	**3300–3550**	**3550–3700**	**3700–4000**	**5150–5925**
RF Port	1-4	1-4	1-4	5-8	5-8	5-8	9-10
Gain, dBi	6.6	7.3	8.2	5.6	5.9	6	5.1
Beamwidth, Horizontal, degrees	360	360	360	360	360	360	360
Beamwidth, Vertical, degrees	21.9	19.1	15.6	38.8	36.8	34.1	22.4
Beam Tilt, degrees	7	7	7	0	0	0	0
USLS (First Lobe), dB	14	14	14	6	6	5	9
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25

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Isolation, Inter-band, dB	28	28	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	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	35	35	35	5

Mechanical Specifications

Wind Loading @ Velocity, frontal	58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)
Wind Speed, maximum	241.4 km/h (150 mph)

Packaging and Weights

Width, packed	320 mm | 12.598 in
Depth, packed	300 mm | 11.811 in
Length, packed	850 mm | 33.465 in
Weight, gross	9.6 kg | 21.164 lb

Regulatory Compliance/Certifications

Agency	**Classification**
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant
UK-ROHS	Compliant

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance