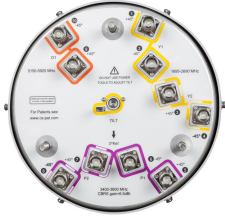


VVSSP-360S-M



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

General Specifications

Antenna Type	Small Cell
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	ASA
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, total	10

Dimensions

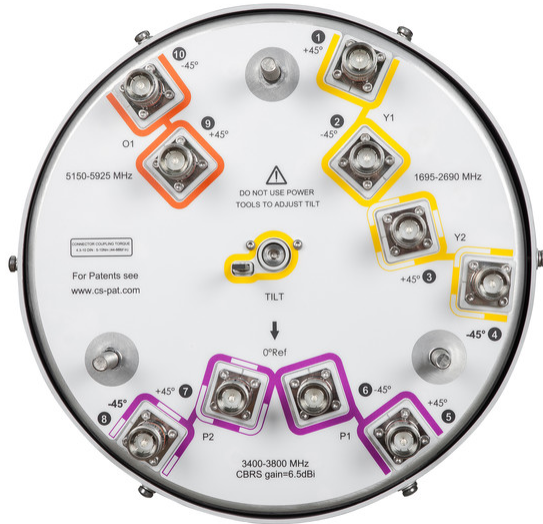
Length	610 mm 24.016 in
Net Weight, without mounting kit	13 kg 28.66 lb
Outer Diameter	305 mm 12.008 in

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-M



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz 3400 – 3800 MHz 5150 – 5925 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	1695–1880	1850–1990	1920–2180	2300–2690	3400–3800	5150–5925
Gain, dBi	7.8	8.4	8.5	8.4	7.2	4.1
Beamwidth, Horizontal, degrees	360	360	360	360	360	360
Beamwidth, Vertical, degrees	21.2	19.5	18.3	15.8	30.2	25
Beam Tilt, degrees	2–10	2–10	2–10	2–10	0	0
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	25	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	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153		
Input Power per Port at 50°C, maximum, watts	75	75	75	75	35	5

VVSSP-360S-M

Electrical Specifications, BASTA

Frequency Band, MHz	1695–1880	1850–1990	1920–2180	2300–2690	3400–3800	5150–5925
Gain by all Beam Tilts, average, dBi	7.2	7.8	7.8	7.8	6.5	2.96
Gain by all Beam Tilts Tolerance, dB	±0.8	±0.6	±0.6	±0.8	±0.9	±1.2
Gain by Beam Tilt, average, dBi	2° 7.0 6° 7.2 10° 7.3	2° 7.6 6° 7.8 10° 8.0	2° 7.5 6° 7.8 10° 8.1	2° 7.5 6° 7.8 10° 8.1		
Beamwidth, Vertical Tolerance, degrees	±2.3	±2	±1.7	±2.2	±3.1	±3.6

Mechanical Specifications

Wind Loading @ Velocity, maximum	102.0 N @ 150 km/h (22.9 lbf @ 150 km/h)
Wind Speed, maximum	241 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	17.5 kg 38.581 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



* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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