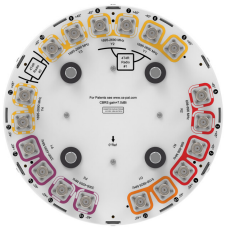
NNV4SSP-360S-F2



18-port small cell antenna, 4x 698-896, 8x 1695–2690, 4x 3300- 4200 and 2x 5150-5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

General Specifications

Antenna Type	Omni
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
Radiator Material	Aluminum | Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	6
RF Connector Quantity, mid band	8
RF Connector Quantity, low band	4
RF Connector Quantity, total	18

Dimensions

Length	610 mm | 24.016 in
Net Weight, without mounting kit	14.5 kg | 31.967 lb
Outer Diameter	370 mm | 14.567 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

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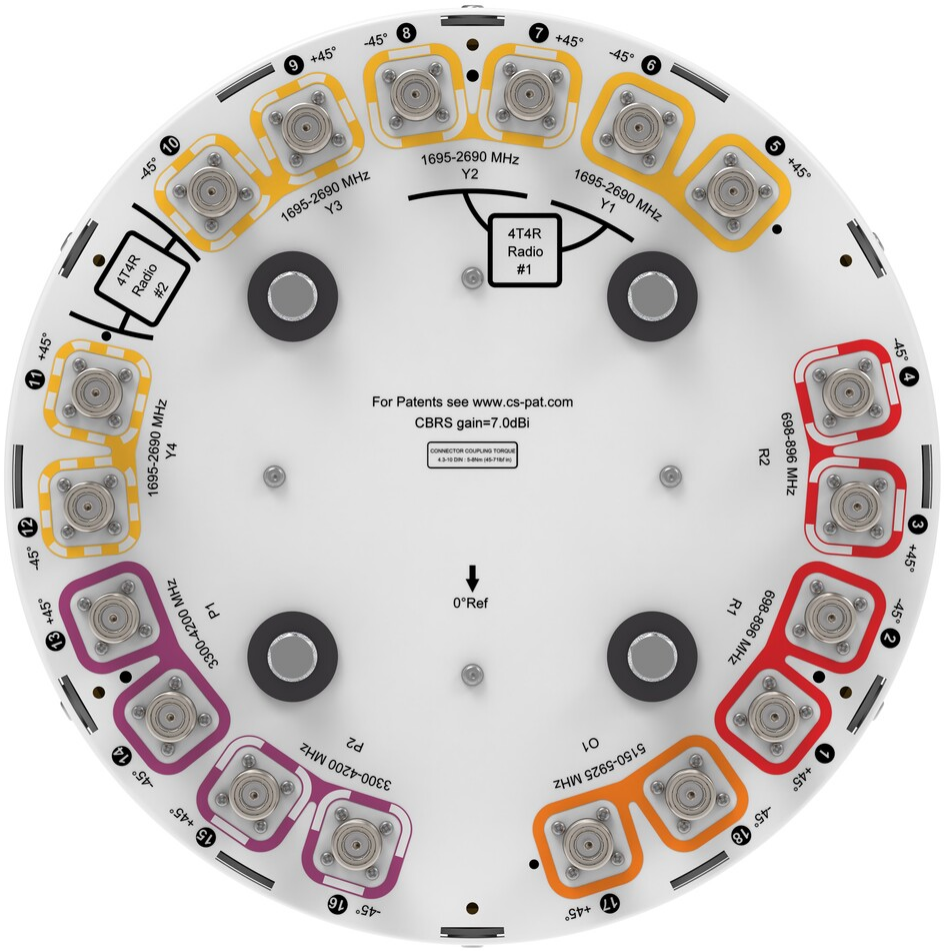

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz | 3300 – 4200 MHz | 5150 – 5925 MHz | 698 – 896 MHz
Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	**698–806**	**806–896**	**1695–1920**	**1920–2180**	**2300–2360**	**2360–2690**	**3300–3550**	**3550–3700**	**3700–4200**	**5150–5925**
Gain, dBi	5	5.2	7.7	8	8.7	9	6.7	6.7	6.7	3.9
Beamwidth, Horizontal, degrees	360	360	360	360	360	360	360	360	360	360

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Beamwidth, Vertical, degrees	45.9	48.8	23.1	19.2	17.3	15.5	34.5	33.8	28.6	23.3
Beam Tilt, degrees	2	2	2	2	2	2	0	0	0	0
USLS (First Lobe), dB	12	12	10	11	11	11	10	10	10	
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25	25	25	25
Isolation, Inter-band, dB	25	25	25	25	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	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	-153	-153	-145	-145	-145	
Input Power per Port, maximum, watts	150	150	150	150	150	150	125	125	125	10
Input Power per Port at 50°C, maximum, watts	100	100	100	100	100	100	75	75	75	5

Electrical Specifications, BASTA

Frequency Band, MHz	**698–806**	**806–896**	**1695–1920**	**1920–2180**	**2300–2360**	**2360–2690**	**3300–3550**	**3550–3700**	**3700–4200**	**5150–5925**
Gain by all Beam Tilts, average, dBi	4.6	4.6	7.1	7.6	8.1	8.4	6.4	6.5	6.3	3.4
Gain by all Beam Tilts Tolerance, dB	±0.6	±0.4	±1	±0.7	±1.2	±0.5	±0.4	±0.4	±1	±1
Beamwidth, Vertical Tolerance, degrees	±4.3	±6	±3.3	±2.4	±1.7	±0.9	±5.3	±3.2	±8.4	±3.6

Mechanical Specifications

Wind Loading @ Velocity, frontal	129.0 N @ 150 km/h (29.0 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	129.0 N @ 150 km/h (29.0 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	129.0 N @ 150 km/h (29.0 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	129.0 N @ 150 km/h (29.0 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

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Packaging and Weights

Width, packed	478 mm | 18.819 in
Depth, packed	464 mm | 18.268 in
Length, packed	894 mm | 35.197 in
Weight, gross	19.2 kg | 42.329 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
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance