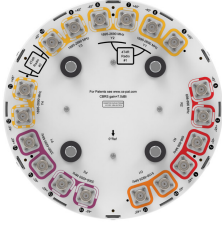


# NNV4SSP-360S-F2



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

<b>Antenna Type</b>	Omni
<b>Band</b>	Multiband
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	ASA
<b>Radiator Material</b>	Aluminum   Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	4.3-10 Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	6
<b>RF Connector Quantity, mid band</b>	8
<b>RF Connector Quantity, low band</b>	4
<b>RF Connector Quantity, total</b>	18

## Dimensions

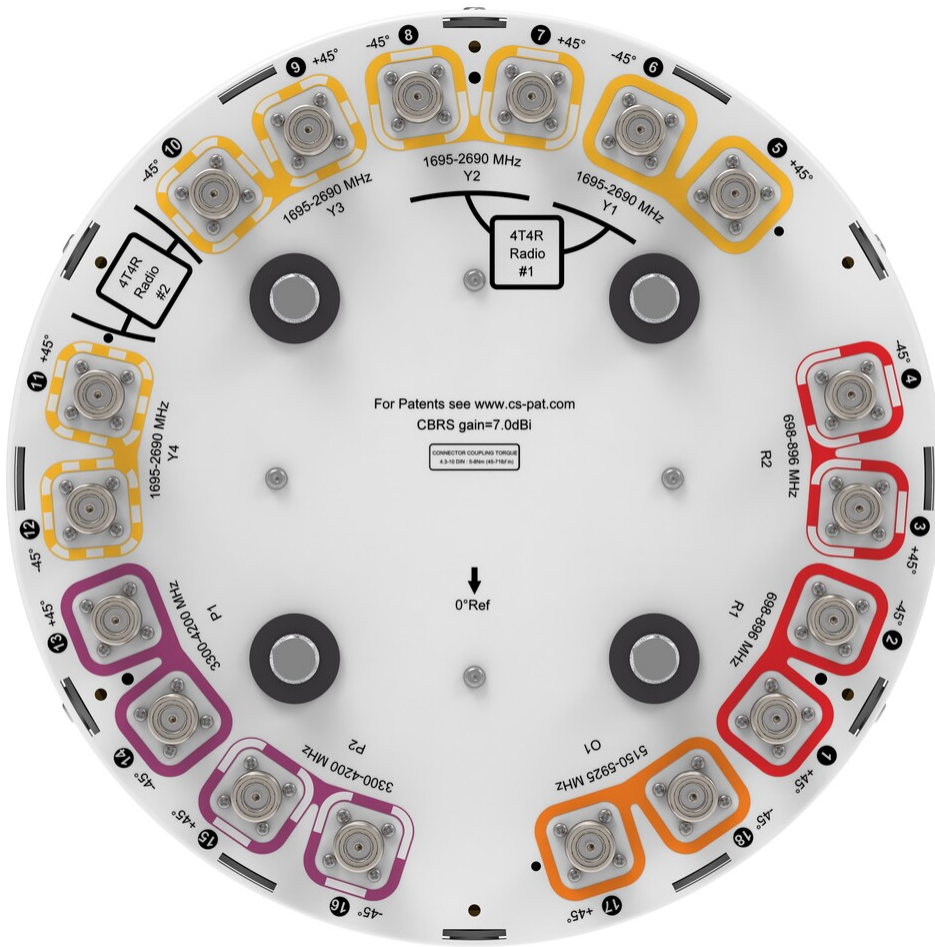
<b>Length</b>	610 mm   24.016 in
<b>Net Weight, without mounting kit</b>	14.5 kg   31.967 lb
<b>Outer Diameter</b>	370 mm   14.567 in

## 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

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz   3300 – 4200 MHz   5150 – 5925 MHz   698 – 896 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	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
<b>Gain, dBi</b>	5	5.2	7.7	8	8.7	9	6.7	6.7	6.7	3.9
<b>Beamwidth, Horizontal, degrees</b>	360	360	360	360	360	360	360	360	360	360

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<b>Beamwidth, Vertical, degrees</b>	45.9	48.8	23.1	19.2	17.3	15.5	34.5	33.8	28.6	23.3
<b>Beam Tilt, degrees</b>	2	2	2	2	2	2	0	0	0	0
<b>USLS (First Lobe), dB</b>	12	12	10	11	11	11	10	10	10	
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25	25	25	25	25	25	25
<b>Isolation, Inter-band, dB</b>	25	25	25	25	25	25	25	25	25	25
<b>VSWR   Return loss, dB</b>	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
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	-153	-153	-153	-145	-145	-145	
<b>Input Power per Port, maximum, watts</b>	150	150	150	150	150	150	125	125	125	10
<b>Input Power per Port at 50°C, maximum, watts</b>	100	100	100	100	100	100	75	75	75	5

## Electrical Specifications, BASTA

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

## Mechanical Specifications

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

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## Packaging and Weights

<b>Width, packed</b>	478 mm   18.819 in
<b>Depth, packed</b>	464 mm   18.268 in
<b>Length, packed</b>	894 mm   35.197 in
<b>Weight, gross</b>	19.2 kg   42.329 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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