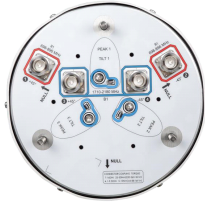


# NH360QS-FOM



4-port small cell antenna, 2x 698-896 and 2x 1710-2180 MHz, 360° HPBW with fixed tilt in the low band and manual tilt in the high band.

## Electrical Specifications

Frequency Band, MHz	698–806	806–896	1710–1880	1850–1990	1920–2180
Gain, dBi	5.3	5.6	8.6	9.0	9.4
Beamwidth, Horizontal, degrees	360	360	360	360	360
Beamwidth, Vertical, degrees	38.5	37.0	15.2	14.4	13.3
Beam Tilt, degrees	0	0	0–16	0–16	0–16
USLS (First Lobe), dB	15	10	14	13	11
Isolation, Cross Polarization, dB	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30
VSWR   Return Loss, dB	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
Input Power per Port, maximum, watts	125	125	125	125	125
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

## Electrical Specifications, BASTA\*

Frequency Band, MHz	698–806	806–896	1710–1880	1850–1990	1920–2180
Gain by all Beam Tilts, average, dBi	4.6	4.8	8.2	8.5	8.7
Gain by all Beam Tilts Tolerance, dB	±0.7	±1.3	±0.6	±0.5	±0.6
Gain by Beam Tilt, average, dBi			0 °   8.4 8 °   8.3 16 °   7.8	0 °   8.7 8 °   8.5 16 °   8.3	0 °   9.0 8 °   8.8 16 °   8.5
Beamwidth, Vertical Tolerance, degrees	±6.3	±5.2	±1	±0.8	±1.8
USLS, beampeak to 20° above beampeak, dB			15	13	11

\* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs](#).

## General Specifications

<b>Operating Frequency Band</b>	1710 – 2180 MHz   698 – 896 MHz
<b>Antenna Type</b>	Small Cell
<b>Band</b>	Multiband
<b>Performance Note</b>	Outdoor usage

## Mechanical Specifications

# NH360QS-FOM

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<b>RF Connector Quantity, total</b>	4
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, high band</b>	2
<b>RF Connector Interface</b>	7-16 DIN Female
<b>Color</b>	Light gray
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Radiator Material</b>	Aluminum   Low loss circuit board
<b>Radome Material</b>	ASA, UV stabilized
<b>Reflector Material</b>	Aluminum
<b>RF Connector Location</b>	Bottom
<b>Wind Loading, frontal</b>	121.0 N @ 150 km/h 27.2 lbf @ 150 km/h
<b>Wind Loading, maximum</b>	121.0 N @ 150 km/h 27.2 lbf @ 150 km/h
<b>Wind Speed, maximum</b>	241 km/h   150 mph

## Dimensions

<b>Length</b>	728.0 mm   28.7 in
<b>Outer Diameter</b>	305.0 mm   12.0 in
<b>Net Weight, without mounting kit</b>	12.5 kg   27.6 lb

## Packed Dimensions

<b>Length</b>	998.0 mm   39.3 in
<b>Width</b>	427.0 mm   16.8 in
<b>Depth</b>	407.0 mm   16.0 in
<b>Shipping Weight</b>	17.2 kg   37.9 lb

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
ISO 9001:2015  
China RoHS SJ/T 11364-2014

### Classification

Compliant by Exemption  
Designed, manufactured and/or distributed under this quality management system  
Above Maximum Concentration Value (MCV)



## \* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance