

# V360QS-C3-3XR



2-port small cell antenna, 2x 1695–2690 MHz, 360° HPBW, 3x RET

- Provides a future-ready antenna solution with flexibility to reassign antenna, for example GSM 1800 service to 2.6GHz LTE at a later date
- Employs state-of-the-art ultra wideband technology providing excellent RF performance in all bands
- Excellent RF pattern control over the full operating band and tilt range for desired coverage and interference containment
- Uses the 4.3-10 connector which is 40 percent smaller than the 7-16 DIN connector

## Electrical Specifications

Frequency Band, MHz	1695–1880	1850–1990	1920–2200	2300–2500	2500–2690
Gain, dBi	8.9	9.5	9.6	10.1	10.2
Beamwidth, Horizontal, degrees	360	360	360	360	360
Beamwidth, Vertical, degrees	18.4	17.2	16.1	14.4	13.1
Beam Tilt, degrees	0–20	0–20	0–20	0–20	0–20
USLS (First Lobe), dB	16	16	15	15	15
Isolation, Cross Polarization, dB	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
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-150	-150
Input Power per Port, maximum, watts	100	100	100	100	100
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

## Electrical Specifications, BASTA\*

Frequency Band, MHz	1695–1880	1850–1990	1920–2200	2300–2500	2500–2690
Gain by all Beam Tilts, average, dBi	8.4	8.9	9.1	9.6	9.7
Gain by all Beam Tilts Tolerance, dB	±1.2	±0.6	±0.6	±0.8	±0.8
Gain by Beam Tilt, average, dBi	0 °   8.3 10 °   8.5 20 °   8.2	0 °   8.9 10 °   9.0 20 °   8.6	0 °   9.2 10 °   9.2 20 °   8.7	0 °   9.6 10 °   9.6 20 °   9.2	0 °   9.7 10 °   10.0 20 °   9.0
Beamwidth, Vertical Tolerance, degrees	±1.2	±1	±1.3	±1.2	±1.2
USLS, beampeak to 20° above beampeak, dB	15	14	14	14	12

\* 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

Operating Frequency Band	1695 – 2690 MHz
Antenna Type	Small Cell
Band	Single band
Performance Note	Outdoor usage

## Mechanical Specifications

<b>RF Connector Quantity, total</b>	2
<b>RF Connector Quantity, high band</b>	2
<b>RF Connector Interface</b>	4.3-10 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>	Low loss circuit board
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Reflector Material</b>	Aluminum
<b>RF Connector Location</b>	Bottom
<b>Wind Loading, frontal</b>	131.1 lbf @ 150 km/h   58.0 N @ 150 km/h
<b>Wind Loading, maximum</b>	13.0 lbf @ 150 km/h   58.0 N @ 150 km/h
<b>Wind Speed, maximum</b>	241 km/h   150 mph

## Dimensions

<b>Length</b>	596.0 mm   23.5 in
<b>Outer Diameter</b>	200.0 mm   7.9 in
<b>Net Weight, without mounting kit</b>	7.3 kg   16.1 lb

## Remote Electrical Tilt (RET) Information

<b>Input Voltage</b>	10–30 Vdc
<b>Internal RET</b>	High band (3)
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Power Consumption, normal conditions, maximum</b>	13 W
<b>Protocol</b>	3GPP/AISG 2.0 (Multi-RET)
<b>RET Interface</b>	8-pin DIN Male
<b>RET Interface, quantity</b>	1 male

## Packed Dimensions

<b>Length</b>	850.0 mm   33.5 in
<b>Width</b>	320.0 mm   12.6 in
<b>Depth</b>	300.0 mm   11.8 in
<b>Shipping Weight</b>	10.1 kg   22.3 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant by Exemption
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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China RoHS SJ/T 11364-2014  
CE

Above Maximum Concentration Value (MCV)  
Compliant with the relevant CE product directives



## \* Footnotes

### **Performance Note**

Severe environmental conditions may degrade optimum performance