

# V360QS-C3-3XR



2-port small cell antenna, 2x 1695–2690 MHz, 360° HPBW, 1x 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

## General Specifications

<b>Antenna Type</b>	Small Cell
<b>Band</b>	Single band
<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   Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	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>	2
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	0
<b>RF Connector Quantity, total</b>	2

## Remote Electrical Tilt (RET) Information

<b>RET Interface</b>	8-pin DIN Male
<b>RET Interface, quantity</b>	1 male
<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

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**Protocol** 3GPP/AISG 2.0 (Multi-RET)

## Dimensions

**Length** 596 mm | 23.465 in

**Net Weight, without mounting kit** 7.3 kg | 16.094 lb

**Outer Diameter** 200 mm | 7.874 in

## Electrical Specifications

**Impedance** 50 ohm

**Operating Frequency Band** 1695 – 2690 MHz

**Polarization**  $\pm 45^\circ$

## 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

## Mechanical Specifications

**Wind Loading @ Velocity, frontal** 58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)

**Wind Loading @ Velocity, maximum** 58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)

**Wind Loading @ Velocity, rear** 58.0 N @ 150 km/h (13.0 lbf @ 150 km/h)

**Wind Speed, maximum** 241 km/h (150 mph)

## Packaging and Weights

**Width, packed** 320 mm | 12.598 in

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<b>Depth, packed</b>	300 mm   11.811 in
<b>Length, packed</b>	850 mm   33.465 in
<b>Weight, gross</b>	10.1 kg   22.267 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
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

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