

# 3X-V65A-3XR



6-port tri-sector antenna, 6x 1710–2690 MHz, 65° HPBW, 3x RET.

- Three DualPol® antennas under one radome
- Fully integrated flange mounting system for ease of installation
- Ideal concealment solution for areas with special regulations regarding visual impact

## General Specifications

<b>Antenna Type</b>	Sector
<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>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	6
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	0
<b>RF Connector Quantity, total</b>	6

## 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
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

<b>Length</b>	1874 mm   73.78 in
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<b>Net Weight, without mounting kit</b>	19 kg   41.888 lb
<b>Outer Diameter</b>	200 mm   7.874 in

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2690 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>1710–1880</b>	<b>1850–1990</b>	<b>1920–2180</b>	<b>2300–2500</b>	<b>2500–2690</b>
<b>Gain, dBi</b>	17.3	17.4	18.3	18.6	18.9
<b>Beamwidth, Horizontal, degrees</b>	73.3	72	69	65	63
<b>Beamwidth, Vertical, degrees</b>	6.8	6.5	6.1	5.3	5.1
<b>Beam Tilt, degrees</b>	0–12	0–12	0–12	0–12	0–12
<b>USLS (First Lobe), dB</b>	15	15	15	17	17
<b>Front-to-Back Ratio at 180°, dB</b>	29	27	27	25	29
<b>Isolation, Cross Polarization, dB</b>	30	30	30	30	30
<b>Isolation, Inter-band, dB</b>	30	30	30	30	30
<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
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150	-150	-150
<b>Input Power per Port, maximum, watts</b>	300	300	300	250	250

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	211.0 N @ 150 km/h (47.4 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	211.0 N @ 150 km/h (47.4 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	211.0 N @ 150 km/h (47.4 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	356 mm   14.016 in
<b>Depth, packed</b>	336 mm   13.228 in
<b>Length, packed</b>	2055 mm   80.906 in

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**Weight, gross**

25.4 kg | 55.997 lb

## Regulatory Compliance/Certifications

**Agency**

**Classification**

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
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



### \* Footnotes

**Performance Note**

Severe environmental conditions may degrade optimum performance