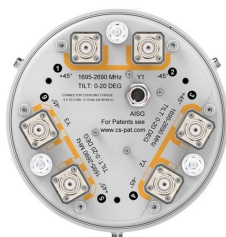


# 3X-V65S-C3-3XR



6-port small cell antenna, 6x 1695–2690 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
- 4.3-10 connector significantly improves PIM consistency and smaller footprint on antenna bottom

## General Specifications

|                                 |  |
|---------------------------------|--|
| Antenna Type                    | Small Cell   |
| Band                            | Single band  |
| Color                           | Light Gray (RAL 7035)  |
| Grounding Type                  | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Performance Note                | Outdoor usage  |
| Radome Material                 | Fiberglass, UV resistant   |
| Reflector Material              | Aluminum   |
| RF Connector Interface          | 4.3-10 Female  |
| RF Connector Location           | Bottom   |
| RF Connector Quantity, mid band | 6  |
| RF Connector Quantity, total    | 6  |

## Remote Electrical Tilt (RET) Information

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

## Dimensions

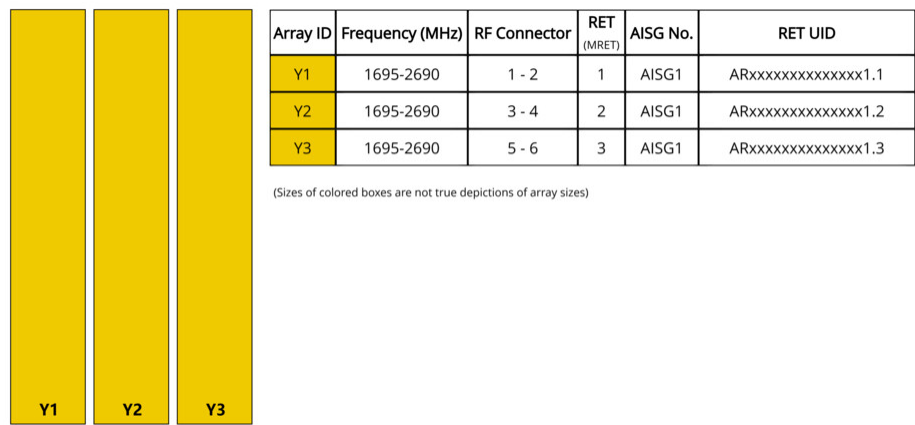
|                          |                    |
|--------------------------|--------------------|
| Length                   | 596 mm   23.465 in |
| Net Weight, antenna only | 7.4 kg   16.314 lb |

# 3X-V65S-C3-3XR

Outer Diameter

200 mm | 7.874 in

## Array Layout



## Port Configuration



## Electrical Specifications

|                          |                 |
|--------------------------|-----------------|
| Impedance                | 50 ohm          |
| Operating Frequency Band | 1695 – 2690 MHz |
| Polarization             | ±45°            |

# 3X-V65S-C3-3XR

Total Input Power, maximum400 W @ 50 °C

## Electrical Specifications

|                                      | Y1-Y3      | Y1-Y3      | Y1-Y3      | Y1-Y3      | Y1-Y3      |
|--------------------------------------|------------|------------|------------|------------|------------|
| Frequency Band, MHz                  | 1695–1880  | 1850–1990  | 1920–2200  | 2300–2500  | 2500–2690  |
| RF Port                              | 1-6        | 1-6        | 1-6        | 1-6        | 1-6        |
| Gain, dBi                            | 13.3       | 13.6       | 13.7       | 14.3       | 14.3       |
| Beamwidth, Horizontal, degrees       | 74         | 73         | 72         | 68         | 71         |
| Beamwidth, Vertical, degrees         | 18.7       | 17.5       | 16.7       | 14.6       | 13.6       |
| Beam Tilt, degrees                   | 0–20       | 0–20       | 0–20       | 0–20       | 0–20       |
| USLS (First Lobe), dB                | 15         | 16         | 16         | 16         | 15         |
| Front-to-Back Ratio at 180°, dB      | 32         | 31         | 30         | 34         | 36         |
| Isolation, Cross Polarization, dB    | 25         | 25         | 25         | 25         | 25         |
| Isolation, Inter-band, dB            | 35         | 35         | 35         | 35         | 35         |
| 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 | 300        | 300        | 300        | 250        | 250        |

## Mechanical Specifications

|                                  |   |
|----------------------------------|---|
| Wind Loading @ Velocity, frontal | 58.0 N @ 150 km/h (13.0 lbf @ 150 km/h) |
| Wind Loading @ Velocity, lateral | 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              | 241.4 km/h (150 mph)                    |

## Packaging and Weights

|                |                     |
|----------------|---------------------|
| Width, packed  | 320 mm   12.598 in  |
| Depth, packed  | 300 mm   11.811 in  |
| Length, packed | 850 mm   33.465 in  |
| Weight, gross  | 10.2 kg   22.487 lb |

## Regulatory Compliance/Certifications

|        |                |
|--------|----------------|
| Agency | Classification |
|--------|----------------|

# 3X-V65S-C3-3XR

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|               |  |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| UK-ROHS       | Compliant  |

\* Footnotes

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