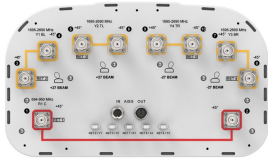


# R2VV-6533C-R5-V4



10-port sector/multibeam antenna, 2x 694-960 and 8x 1695-2690 MHz, 65°|4x 33° HPBW, 5x RET

- Enhances network capacity and spectrum utilization when used in six sector applications
- Reduces antenna count to minimize Cap-Ex and Op-Ex costs – 3 antennas required for 6 sector configurations

## General Specifications

<b>Antenna Type</b>	Multibeam
<b>Band</b>	Multiband
<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
<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>	0
<b>RF Connector Quantity, mid band</b>	8
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	10

## Remote Electrical Tilt (RET) Information

<b>RET Hardware</b>	CommRET v2
<b>RET Interface</b>	8-pin DIN Female   8-pin DIN Male
<b>RET Interface, quantity</b>	1 female   1 male
<b>Input Voltage</b>	10-30 Vdc
<b>Internal RET</b>	Low band (1)   Mid band (4)
<b>Power Consumption, active state, maximum</b>	10 W
<b>Power Consumption, idle state, maximum</b>	2 W

# R2VV-6533C-R5-V4

**Protocol** 3GPP/AISG 2.0 (Single RET)

## Dimensions

**Width** 395 mm | 15.551 in  
**Depth** 228 mm | 8.976 in  
**Length** 2499 mm | 98.386 in  
**Net Weight, antenna only** 39.2 kg | 86.421 lb

## Array Layout



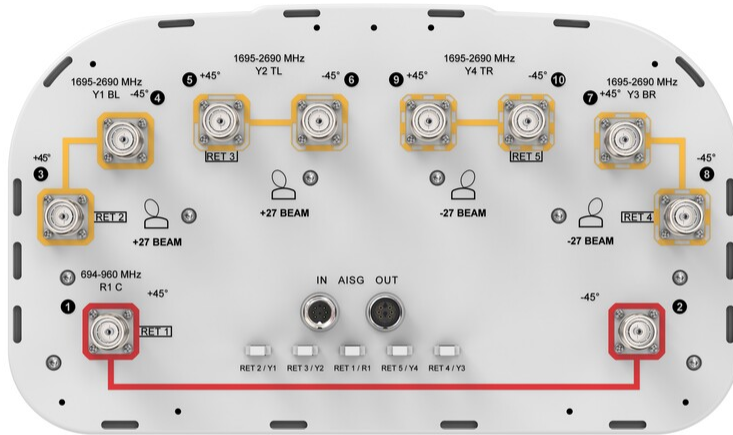
Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	694-960	1-2	1	CPXXXXXXXXXXXXXXXXR1
Y1	1695-2690	3-4	2	CPXXXXXXXXXXXXXXXXY1
Y2	1695-2690	5-6	3	CPXXXXXXXXXXXXXXXXY2
Y3	1695-2690	7-8	4	CPXXXXXXXXXXXXXXXXY3
Y4	1695-2690	9-10	5	CPXXXXXXXXXXXXXXXXY4

Bottom

(Sizes of colored boxes are not true depictions of array sizes)

## Port Configuration

# R2VV-6533C-R5-V4



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz   694 – 960 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	1,200 W @ 50 °C

## Electrical Specifications

	R1	R1	R1	Y1-Y4	Y1-Y4	Y1-Y4	Y1-Y4	Y1-Y4
<b>Frequency Band, MHz</b>	<b>694–790</b>	<b>790–890</b>	<b>880–960</b>	<b>1695–1880</b>	<b>1850–1990</b>	<b>1920–2180</b>	<b>2300–2400</b>	<b>2490–2690</b>
<b>RF Port</b>	1,2	1,2	1,2	3 - 10	3 - 10	3 - 10	3 - 10	3 - 10
<b>Gain, dBi</b>	16.3	16.4	16.2	18.1	18.6	19.3	19.3	18.6
<b>Beamwidth, Horizontal, degrees</b>	65	66	67	39	39	37	33	34
<b>Beamwidth, Vertical, degrees</b>	9	8	7.2	7.9	7.4	7	6.2	5.8

# R2VV-6533C-R5-V4

<b>Beam Tilt, degrees</b>	2-12	2-12	2-12	2-12	2-12	2-12	2-12	2-12
<b>USLS (First Lobe), dB</b>	17	19	15	16	16	17	18	19
<b>Front-to-Back Ratio, Copolarization 180° ± 30°, dB</b>	24	24	25	23	25	27	30	28
<b>Isolation, Cross Polarization, dB</b>	25	25	25	28	28	28	28	28
<b>Isolation, Inter-band, dB</b>	30	30	30	28	28	28	28	28
<b>Isolation, Beam to Beam, dB</b>				28	28	28	28	28
<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	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	-150	-150	-150
<b>Input Power per Port at 50°C, maximum, watts</b>	300	300	300	200	200	200	200	200

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	525.0 N @ 150 km/h (118.0 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	386.0 N @ 150 km/h (86.8 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	898.0 N @ 150 km/h (201.9 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	540.0 N @ 150 km/h (121.4 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	505 mm   19.882 in
<b>Depth, packed</b>	386 mm   15.197 in
<b>Length, packed</b>	2631 mm   103.583 in
<b>Weight, gross</b>	53.2 kg   117.286 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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



## Included Products

# R2VV-6533C-R5-V4

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BSAMNT-4

- Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

## \* Footnotes

### **Performance Note**

Severe environmental conditions may degrade optimum performance

# BSAMNT-4



Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

## Product Classification

**Product Type** Downtilt mounting kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Diameter, maximum** 115 mm | 4.528 in

**Compatible Diameter, minimum** 60 mm | 2.362 in

**Weight, net** 6.5 kg | 14.33 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below 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.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

