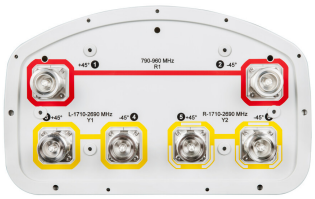
CVV65BSX-M | CVV65BSX-3X2



6-port sector antenna, 2x 790–960 and 4x 1710–2690 MHz, 65° HPBW, RET compatible

- Utilizes AccuRET® actuator(s) on the back of the antenna

OBSOLETE

This product was discontinued on: November 30, 2023

Replaced By:

6P-2L4M-B3 RVV-65B-R3	6-port sector antenna, 2x 694-960 and 4x 1695–2690 MHz, 65° HPBW,3x RET
RVV-65B-R3VB	6-port sector antenna, 2x 694-960 and 4x 1695–2690 MHz, 65° HPBW, 3x RET

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Aluminum
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

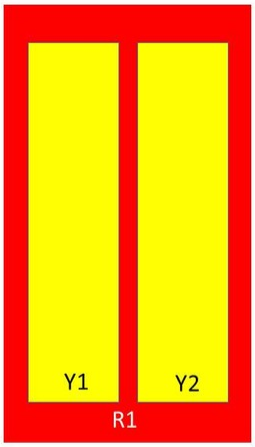
Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	CVV65BSX-3X2

Dimensions

Width	301 mm | 11.85 in
Depth	181 mm | 7.126 in
Length	1974 mm | 77.717 in
Net Weight, without mounting kit	18.8 kg | 41.447 lb

Array Layout

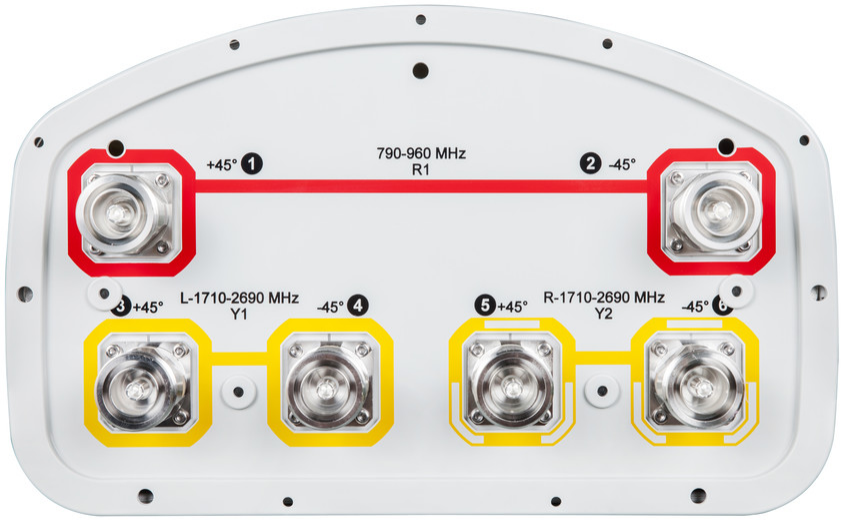


Array	Freq (MHz)	Conns
R1	790-960	1-2
Y1	1710-2690	3-4
Y2	1710-2690	5-6

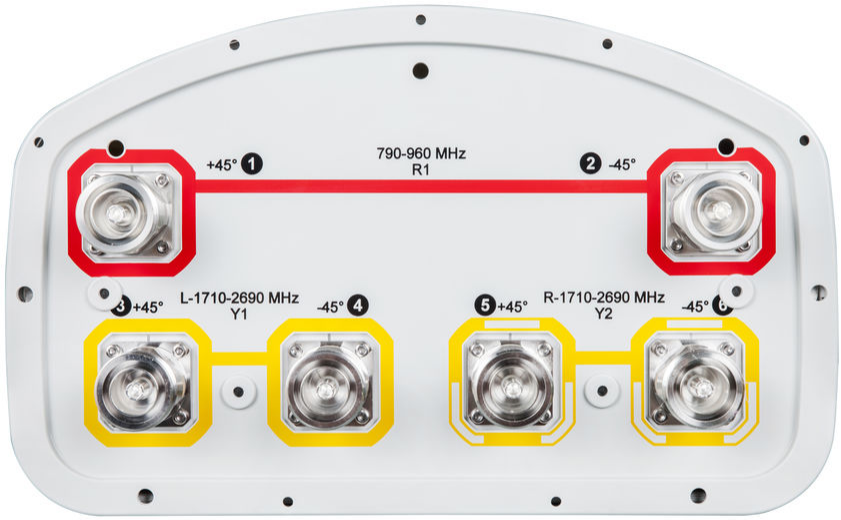
(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration

CVV65BSX-M | CVV65BSX-3X2



CVV65BSX-M | CVV65BSX-3X2



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2690 MHz | 790 – 960 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	**790–896**	**870–960**	**1710–1880**	**1850–1990**	**1920–2180**	**2300–2500**	**2500–2690**
Gain, dBi	15.9	16	17.6	17.5	17.9	17.6	18.2
Beamwidth, Horizontal, degrees	62	60.8	70	68	67	58	60
Beamwidth, Vertical, degrees	10.5	9.6	5.6	5.3	5.1	4.3	4.1
Beam Tilt, degrees	0–10	0–10	2–12	2–12	2–12	2–12	2–12

USLS (First Lobe), dB	15	15	14	14	15	14	14
Front-to-Back Ratio at 180°, dB	29	30	29	30	24	26	29
Isolation, Cross Polarization, dB	28	28	28	28	28	28	28
Isolation, Inter-band, dB	30	30	30	30	30	30	30
VSWR | Return loss, dB	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
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	350	350	350	350	350	300	300

Mechanical Specifications

Wind Loading @ Velocity, frontal	306.0 N @ 150 km/h (68.8 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	253.0 N @ 150 km/h (56.9 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	589.0 N @ 150 km/h (132.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	310.0 N @ 150 km/h (69.7 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	411 mm | 16.181 in
Depth, packed	298 mm | 11.732 in
Length, packed	2161 mm | 85.079 in
Weight, gross	32 kg | 70.548 lb

Regulatory Compliance/Certifications

Agency	**Classification**
CE	Compliant with the relevant CE product directives
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 www.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

Included Products

BSAMNT-OFFSET	–	Forward Offset Pipe Mounting Kit for 4.5 in (114.3 mm) OD round members

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance