

Kit with one 4-port sector antenna model VV-65A-R1 (4x 1695–2690 MHz, 65° HPBW, 1x RET#The two high band arrays utilize a common tilt.)

- 1 x ATCB-B01-003 Cable 3m, RET to RRU
- The RET interface comprises one pair of AISG input/output ports

This product will be discontinued on: December 31, 2025

General Specifications

Antenna Type Sector

Band Single band

Color Light Gray (RAL 7035)

Grounding TypeRF connector inner conductor and body grounded to reflector and

mounting bracket

 Performance Note
 Outdoor usage

 Radome Material
 PVC, UV resistant

Reflector Material Aluminum

RF Connector Interface 4.3-10 Female

RF Connector Location Bottom

RF Connector Quantity, high band 4
RF Connector Quantity, mid band 0
RF Connector Quantity, low band 0
RF Connector Quantity, total 4

Remote Electrical Tilt (RET) Information

RET Hardware CommRET v2

RET Interface 8-pin DIN Female | 8-pin DIN Male

RET Interface, quantity 1 female | 1 male

Input Voltage10-30 VdcInternal RETHigh band (1)

Power Consumption, idle state, maximum 2 W
Power Consumption, normal conditions, maximum 10 W



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Protocol 3GPP/AISG 2.0

Dimensions

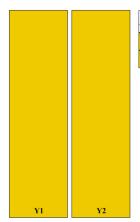
Width 307 mm | 12.087 in

Depth 118 mm | 4.646 in

Length 1390 mm | 54.724 in

Net Weight, without mounting kit 10.8 kg | 23.81 lb

Array Layout



Array ID	Frequency (MHz)	RF Connector	HPBW	RET (SRET)	AISG No.	AISG RET UID
Y1	1695-2690	1 - 2	65°	1	AICC1	CD::::::::::::::::::::::::::::::::::::
Y2	1695-2690	3 - 4	65°	1	AISG1	CPxxxxxxxxxxxxxxY1

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

Port Configuration



Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1695 – 2690 MHz

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Polarization ±45°

Total Input Power, maximum $400 \text{ W} \ \text{@} \ 50 \ ^{\circ}\text{C}$

Electrical Specifications

Frequency Band, MHz	1695-1880	1850-1990	1920-2200	2300-2500	2490-2690
Gain, dBi	17.5	17.7	18.2	18.5	18.6
Beamwidth, Horizontal, degrees	66	65	66	63	62
Beamwidth, Vertical, degrees	6.9	6.5	6.1	5.4	5.2
Beam Tilt, degrees	0-12	0-12	0-12	0-12	0-12
USLS (First Lobe), dB	17	18	18	21	21
Front-to-Back Ratio at 180°, dB	30	31	32	29	30
Isolation, Cross Polarization, dB	30	30	30	30	30
Isolation, Inter-band, dB	28	28	28	28	28
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	-153	-153
Input Power per Port at 50°C, maximum, watts	300	300	300	300	250

Mechanical Specifications

 Wind Loading @ Velocity, frontal
 494.0 N @ 150 km/h (111.1 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 102.0 N @ 150 km/h (22.9 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 598.0 N @ 150 km/h (134.4 lbf @ 150 km/h)

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

Packaging and Weights

 Width, packed
 404 mm | 15.906 in

 Depth, packed
 278 mm | 10.945 in

 Length, packed
 1527 mm | 60.118 in

 Weight, gross
 19.8 kg | 43.651 lb

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 www.andrew.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



Included Products

600899A-2 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.

ATCB-B01-003 – AISG RET Control Cable, 3 m

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

