V35-011-01-A0-E

4-port CleanBeam™ Venue Antenna, 2x 1695-2690 and 2x 3300-4200 MHz, 35° HPBW, Fixed Tilt

- 35° azimuth and 35° elevation beamwidth
- Designed with MetaLens™ CleanBeam™ technology
- Supports Mid band 2T2R and High band 2T2R

General Specifications

Band	Multiband
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
RF Connector Interface	4.3-10 Female
RF Connector Quantity, high band	2
RF Connector Quantity, mid band	2
RF Connector Quantity, total	4

Dimensions

Width	404 mm | 15.906 in
Depth	258 mm | 10.157 in
Length	544 mm | 21.417 in
Net Weight, without mounting kit	6.5 kg | 14.33 lb

Array Layout

Array ID	Frequency (MHz)	RF Connector	RET (N/A)	AISG No.	RET UID
Y1	1695-2690	1 - 2	N/A	NA	N/A
P1	3300-4200	3 - 4			

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

Port Configuration

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Revised: August 14, 2026

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Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz | 3300 – 4200 MHz
Polarization	±45°

Electrical Specifications

	Y1	Y1	Y1	Y1	P1	P1	P1
Frequency Band, MHz	**1695–1890**	**1850–1990**	**1990–2200**	**2200–2690**	**3300–3800**	**3550–3700**	**3700–4200**
RF Port	1,2	1,2	1,2	1,2	3,4	3,4	3,4
Gain, dBi	14.3	14.5	14.9	16.8	14.9	14.8	15.3
Beamwidth, Horizontal, degrees	36	35	35	28	32	32	30
Beamwidth, Vertical, degrees	37	36	35	28	34	35	32
USLS (First Lobe), dB	27	24	24	23	25	30	22
Front-to-Back Ratio at 180°, dB	36	34	39	42	41	41	42
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	35	34	35	39	34	34	36
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25
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	-153	-153	-153	-153	-153	-153	-153

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Input Power per Port, maximum, watts	200	200	200	200	80	80	80

Mechanical Specifications

Wind Loading @ Velocity, frontal	281.0 N @ 150 km/h (63.2 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	179.0 N @ 150 km/h (40.2 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	281.0 N @ 150 km/h (63.2 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	528 mm | 20.787 in
Depth, packed	561 mm | 22.087 in
Length, packed	646 mm | 25.433 in
Weight, gross	16.5 kg | 36.376 lb

Regulatory Compliance/Certifications

Agency	**Classification**
CHINA-ROHS	Below maximum concentration value
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.

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