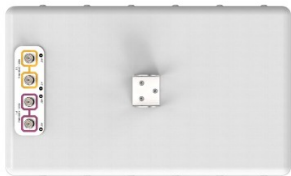


VS-20T-F0



4-port Venue Antenna, 2x 1695-2690 and 2x 3300-4200 MHz, 20° HPBW, Fixed Tilt

- Optimized for high-capacity, high-throughput environments
- 20° Azimuth and 20° Elevation Beamwidth
- Novel array technology delivering extremely low side lobes
- Mount kit with Azimuth and Elevation tilt (AZ: +/- 50°, EL: 0 - 70° downtilt)

General Specifications

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
RF Connector Interface	4.3-10 Female
RF Connector Location	Rear
RF Connector Quantity, high band	2
RF Connector Quantity, mid band	2
RF Connector Quantity, total	4

Dimensions

Width	643 mm 25.315 in
Depth	95 mm 3.74 in
Length	381 mm 15 in
Net Weight, without mounting kit	5.6 kg 12.346 lb

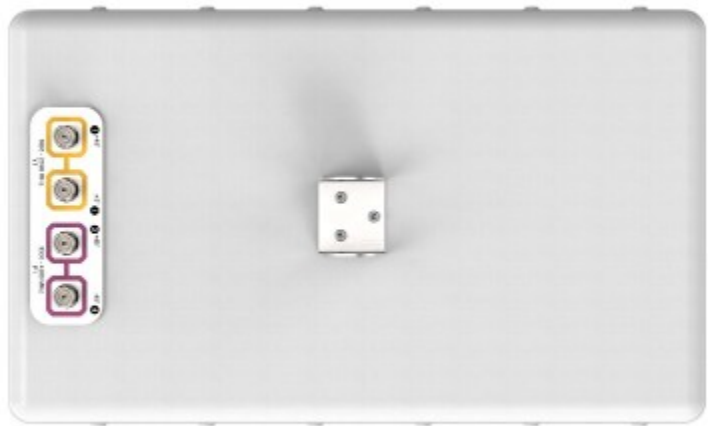
Array Layout

 P1	 Y1	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

VS-20T-F0



Electrical Specifications

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

Electrical Specifications

	Y1	Y1	Y1	Y1	Y1	P1	P1	P1
Frequency Band, MHz	1695–1880	1850–1990	1920–2180	2300–2400	2400–2690	3300–3550	3550–3700	3700–4200
RF Port	1,2	1,2	1,2	1,2	1,2	3,4	3,4	3,4
Gain, dBi	16.5	17.1	17.8	18.7	19	18.2	18.8	18.9
Beamwidth, Horizontal, degrees	25	24	23	20	18	21	19	19
Beamwidth, Vertical, degrees	24	24	22	19	18	22	21	19
Beam Tilt, degrees	0	0	0	0	0	0	0	0
USLS (First Lobe), dB	22	22	22	22	22	22	22	22
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	30	30	30	30	30	30	30	30
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25	25
Isolation, Inter-band, dB	25	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	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-145	-145	-145

VS-20T-F0

Input Power per Port, maximum, watts	150	150	150	150	150	80	80	80
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Mechanical Specifications

Wind Loading @ Velocity, frontal	311.0 N @ 150 km/h (69.9 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	95.0 N @ 150 km/h (21.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	311.0 N @ 150 km/h (69.9 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	910 mm 35.827 in
Depth, packed	210 mm 8.268 in
Length, packed	480 mm 18.898 in
Weight, gross	11 kg 24.251 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

APM40-AZM	–	Elevation and Azimuth Tilt Mounting Kit for 2.0-4.3 in (50-110 mm) OD round members.
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* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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