

## Versa2une FM Antenna

### Features:

- Field-tunable with or without test equipment.
- 2.5 kW per element, up to 5 kW total system power.
- Circular polarization.
- Packed unassembled in a small flat box for cost-effective shipping; requires assembly.

### Specifications:

Frequency range:	Field Tunable 87.5-108 MHz
VSWR:	< 1.1:1 if tuned with transmitter metering for minimum reflected power . < 1.2:1 if tuned with mechanical dimensions and tuning chart
Azimuth circular polarity:	Horizontal component $\pm 1.5$ dB on pole
Polarization:	Right-hand circular
Maximum input power:	5 kW total (2.5 kW per element).
Bay-to-bay spacing:	3.0 m
Input connector on feed-line cable	7/16 DIN male for single element, 7/8" EIA female on power divider for multiple element arrays.
Standard mounting:	Designed to attach to a customer-supplied 38 mm - 90 mm OD pipe.
Power dividers:	As required. Feed cables will be FSJ-50A or equivalent with DIN terminations.



### Performance specifications, stock configurations:

No. of Bays	Elevation Gain		Peak Gain		Power Rating (kW)
	Power	dB	Power	dB	
SLV-1 (1 element)	0.46	-3.40	0.65	-1.19	2.5
SLV-2 (2 elements)	0.99	-0.04	1.40	1.46	5
SLV-4 (4 elements)	2.12	3.26	3.00	2.00	5

### Dimensions, stock configurations:

	Tower space required
SLV-1 (1 element)	0.9 m (2 ft 11 in)
SLV-2 (2 elements)	3.9 m (12 ft 10 in)
SLV-4 (4 elements)	9.9 m (32 ft 6 in)

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## Weight and windload, no radomes:

Weight without ice		Windload without ice	
		$EPA_N$	$EPA_T$
	kg (lb)	$m^2 (ft^2)$	$m^2 (ft^2)$
SLV-1 (1 element)	6.8 kg (15 lb)	0.2 $m^2$ (1.7 $ft^2$ )	0.1 $m^2$ (1.2 $ft^2$ )
SLV-2 (2 elements)	15.9 kg (35 lb)	0.3 $m^2$ (3.3 $ft^2$ )	0.2 $m^2$ (2.4 $ft^2$ )
SLV-4 (4 elements)	34.0 kg (75 lb)	0.6 $m^2$ (6.6 $ft^2$ )	0.4 $m^2$ (4.8 $ft^2$ )

Weight with 13 mm (1/2 in) ice		Windload with 13 mm (1/2 in) ice	
		$EPA_N$	$EPA_T$
	kg (lb)	$m^2 (ft^2)$	$m^2 (ft^2)$
SLV-1 (1 element)	14.1 kg (31 lb)	0.3 $m^2$ (2.7 $ft^2$ )	0.2 $m^2$ (2 $ft^2$ )
SLV-2 (2 elements)	29.9 kg (66 lb)	0.5 $m^2$ (5.4 $ft^2$ )	0.4 $m^2$ (4.1 $ft^2$ )
SLV-4 (4 elements)	59.9 kg (132 lb)	1.0 $m^2$ (10.8 $ft^2$ )	0.8 $m^2$ (8.2 $ft^2$ )

Weight with 51 mm (2 in) ice		Windload with 51 mm (2 in) ice	
		$EPA_N$	$EPA_T$
	kg (lb)	$m^2 (ft^2)$	$m^2 (ft^2)$
SLV-1 (1 element)	60.8 kg (134 lb)	0.5 $m^2$ (4.9 $ft^2$ )	0.4 $m^2$ (4 $ft^2$ )
SLV-2 (2 elements)	124.3 kg (274 lb)	0.9 $m^2$ (9.7 $ft^2$ )	0.7 $m^2$ (7.9 $ft^2$ )
SLV-4 (4 elements)	248.6 kg (548 lb)	1.8 $m^2$ (19.4 $ft^2$ )	1.5 $m^2$ (15.8 $ft^2$ )

## Weight and windload with radomes

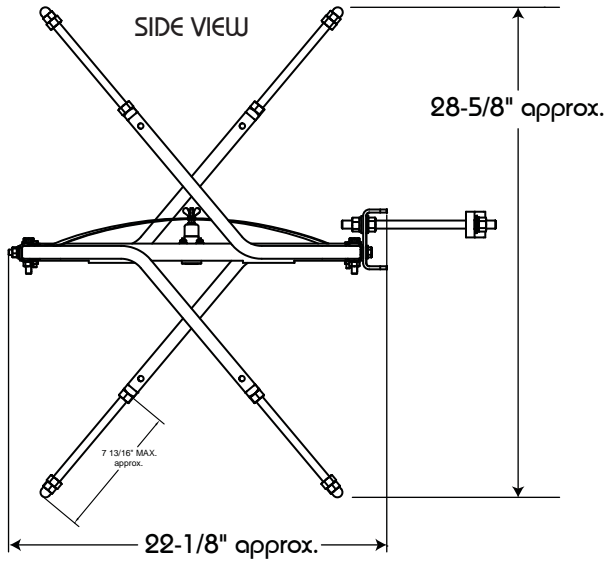
Weight without ice		Windload without ice	
		$EPA_N$	$EPA_T$
	kg (lb)	$m^2 (ft^2)$	$m^2 (ft^2)$
SLV-1 (1 element)	17.7 kg (39 lb)	0.9 $m^2$ (9.7 $ft^2$ )	0.7 $m^2$ (7.4 $ft^2$ )
SLV-2 (2 elements)	37.7 kg (83 lb)	1.8 $m^2$ (19.3 $ft^2$ )	1.4 $m^2$ (14.8 $ft^2$ )
SLV-4 (4 elements)	77.6 kg (171 lb)	3.6 $m^2$ (38.6 $ft^2$ )	2.7 $m^2$ (29.6 $ft^2$ )

Weight with 13 mm (1/2 in) ice		Windload with 13 mm (1/2 in) ice	
		$EPA_N$	$EPA_T$
	kg (lb)	$m^2 (ft^2)$	$m^2 (ft^2)$
SLV-1 (1 element)	114 kg (251.3 lb)	0.9 $m^2$ (10.0 $ft^2$ )	0.7 $m^2$ (7.8 $ft^2$ )
SLV-2 (2 elements)	234 kg (515.7 lb)	1.9 $m^2$ (20.0 $ft^2$ )	1.4 $m^2$ (15.5 $ft^2$ )
SLV-4 (4 elements)	468 kg (1031.5 lb)	3.7 $m^2$ (40.0 $ft^2$ )	2.9 $m^2$ (31.0 $ft^2$ )

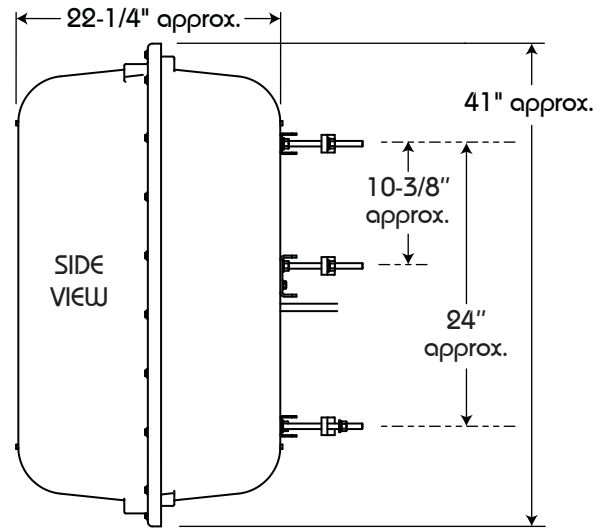
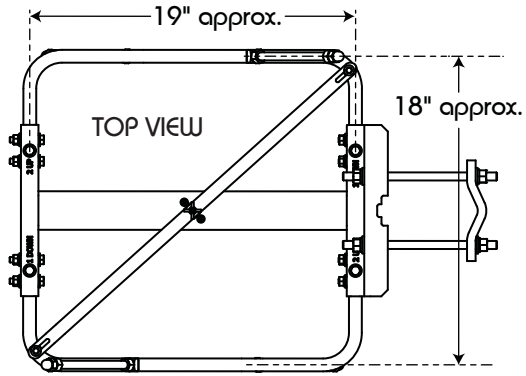
Weight with 51 mm (2 in) ice		Windload with 51 mm (2 in) ice	
		$EPA_N$	$EPA_T$
	kg (lb)	$m^2 (ft^2)$	$m^2 (ft^2)$
SLV-1 (1 element)	353 kg (778 lb)	1.0 $m^2$ (10.6 $ft^2$ )	0.8 $m^2$ (8.4 $ft^2$ )
SLV-2 (2 elements)	711 kg (1567 lb)	2.0 $m^2$ (21.3 $ft^2$ )	1.6 $m^2$ (16.8 $ft^2$ )
SLV-4 (4 elements)	1422 kg (3134 lb)	4.0 $m^2$ (42.6 $ft^2$ )	3.1 $m^2$ (33.6 $ft^2$ )

### NOTES

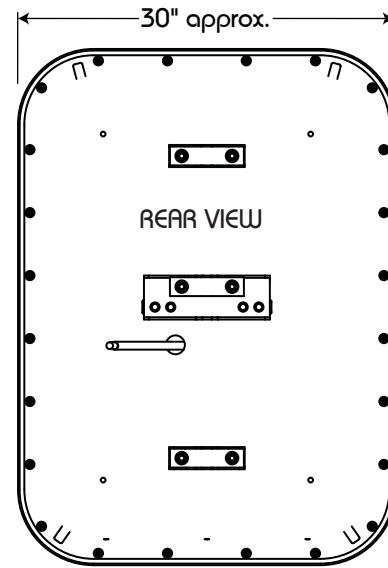
- 6-, 8-, and 10-bay arrays are available as special configurations. Contact the factory.
- Weight and windload values include mount. For multiple-bay arrays, these include cables and power divider.
- Ice values calculated per 222/G. Values other than specified can be derived by interpolation.



WITHOUT RADOMES



WITH RADOMES



Dimensions