

V17-001-01-A0

Features

- Designed with CleanBeam™ technology
- 2T2R Lens antenna
- Support 2x2 MIMO
- 17° azimuth and 17° elevation beamwidth



ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	3300-4000		
	MHz	3300-3800	3550-3700	3700-4000
Polarization	---	±45°		
Gain	dBi	18.6 ± 0.6	18.7 ± 0.5	19.1 ± 0.3
Azimuth Beamwidth, 3 dB	degrees	17.5° ± 2.0°	16.8° ± 1.0°	16.0° ± 0.5°
Elevation Beamwidth, 3 dB	degrees	17.5° ± 2.0°	16.8° ± 1.0°	16.0° ± 0.5°
Azimuth Beamwidth, 10 dB	degrees	30.5° ± 4.0°	28.5° ± 2.0°	28.0° ± 1.0°
Elevation Beamwidth, 10 dB	degrees	30.5° ± 4.0°	28.5° ± 2.0°	28.5° ± 1.0°
Azimuth Beamwidth, 20 dB	degrees	39.0° ± 4.0°	36.5° ± 2.0°	37.5° ± 2.5°
Elevation Beamwidth, 20 dB	degrees	38.5° ± 3.5°	36.5° ± 2.0°	36.5° ± 3.0°
VSWR (Return Loss)	---	1.5:1 (-14 dB)		
Front-to-Back at 180° Copolar	dB	> 30	> 30	> 30
Front-to-Back Ratio (180° ± 30°) Total Power	dB	> 27	> 26	> 25
Sidelobe	dB	> 18	> 18	> 20
Isolation	dB	> 25		
Passive Intermodulation (3rd Order, 2x20 W Carriers)	dBc	< -153		
Maximum Effective Power per Port	Watts	80 W		

ORDERING OPTIONS

Select from the following ordering options

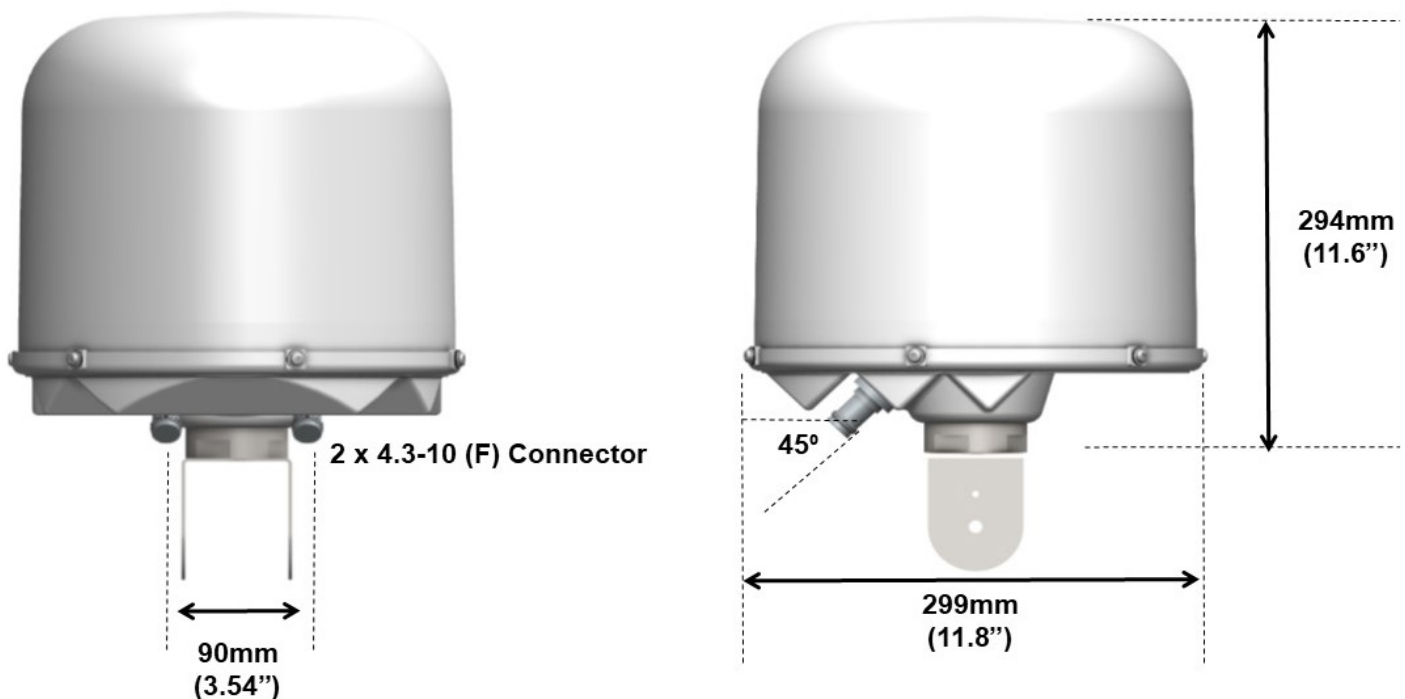
ANTENNA MODEL NUMBER	MOUNTING HARDWARE	MOUNTING PIPE DIAMETER	SHIPPING WEIGHT
V17-001-01-A0-E	APM40-VEN Elevation Tilt Mounting Kit Included	50-110 mm (2.0-4.3 in)	8.5 kg (19 lbs)

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

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MECHANICAL SPECIFICATIONS

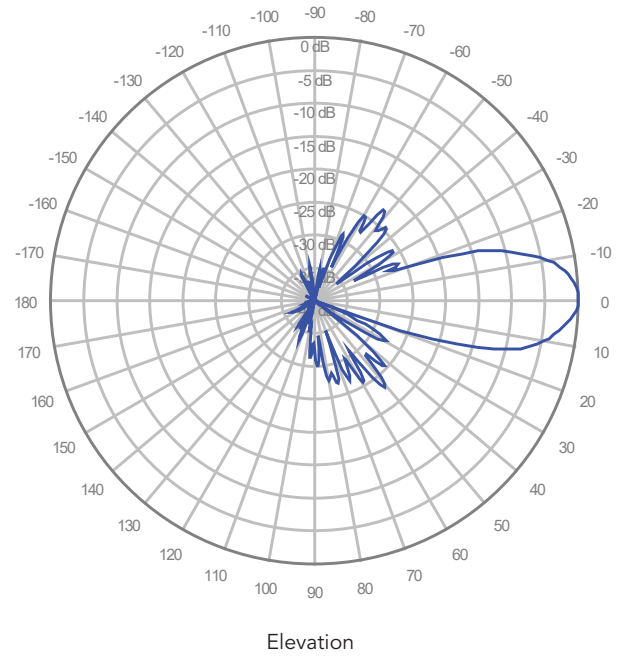
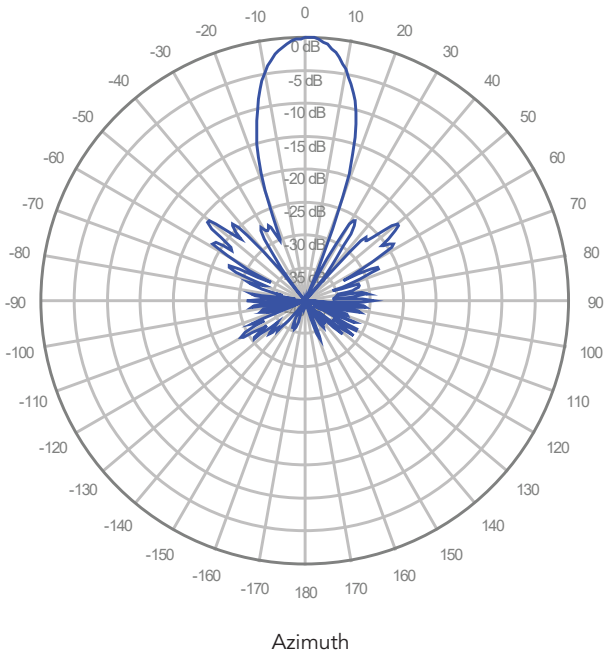
Length	mm (in)	299 (11.8)
Width	mm (in)	299 (11.8)
Depth	mm (in)	294 (11.6)
Net Weight - Antenna Only	kg (lbs)	3.3 (7.3)
Net Weight - Mounting Hardware Only	kg (lbs)	1.8 (4.0)
Wind Load Rated at 160 km/h (99 mph)	Front	N (lbf) 33 (7.4)
	Lateral	N (lbf) 30 (6.8)
Connector Type	---	(2x) 4.3-10 Female
Radome Color	---	White
Radome Material	---	FRP
Lightning Protection	---	Direct Ground
Operating Temperature	degrees	-40° to +70° C (-40° to +158° F)
Shipping	Packing Size (Length x Width x Depth)	mm (in) 400 x 399 x 510 (15.8 x 15.4 x 20.1)
	Shipping Weight	kg (lbs) 8.5 (19)



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3900 MHz



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