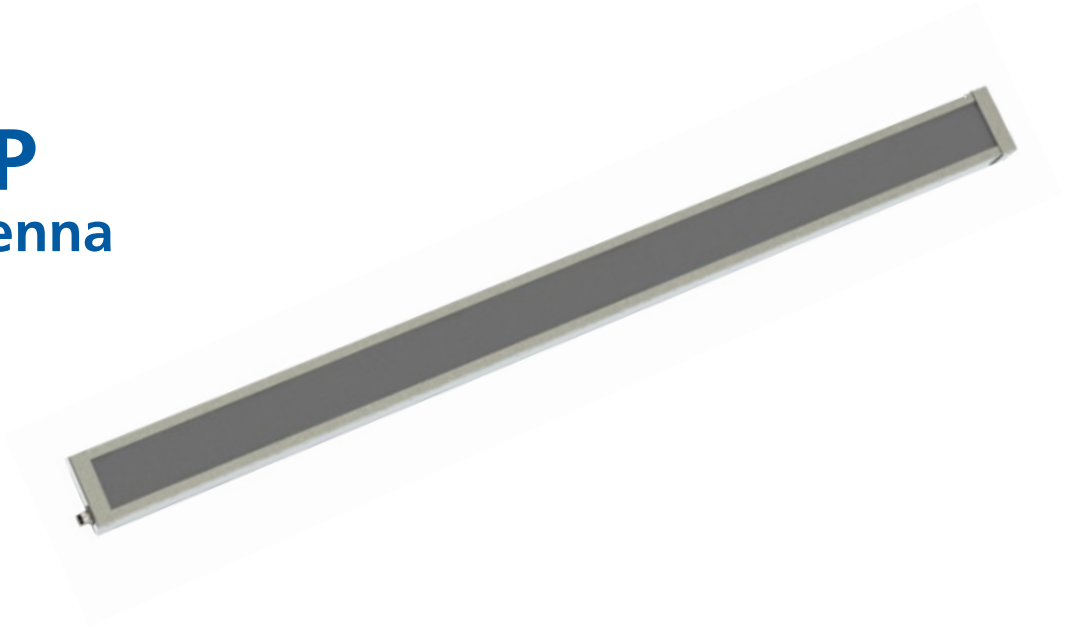
Broadcast Microwave Services, Inc.

VLA1918LP
Directional Antenna



> Technical Characteristics

Frequency Range	2.0 to 2.5 GHz
Impedance	50 Ω
Polarization	Linear, vertical
VSWR	< 1.5: 1
Gain	17.5 dBi @ 2.0 GHz 18 dBi @ 2.5 GHz
3 dB Beamwidth, Vertical	6.4° @ 2.0 GHz 5.2° @ 2.5 GHz
3 dB Beamwidth, Horizontal	64° @ 2.0 GHz 58° @ 2.5 GHz
Connector	N (f) 50 Ω
Maximum Input Power	60 W @ 50°C
Operating Conditions	Ambient Temperature -40°C to +80°C (approx. -40°F to +176°F)
Physical Information	Dimensions: 56.5" H x 5.5" W x 2.0" D; (1435 x 140 x 50 mm) Weight: 14.99 lbs. (6.80 kg) Fiberglass radome
Wind load frontal	18 lbs. (80 N) @ 93.2 mph (150 km/h)
Wind load rear	56 lbs. (250 N) @ 93.2 mph (150 km/h)
Environmental	IP.65 (ingress), NEMA 4

> Performance

The VLA1918LP is a high-gain directional antenna. It combines the benefits of 18 dBi antenna gain with a horizontal HPW of 64° and, therefore, fits best with all BMS diversity receive systems.

The VLA1918LP high gain panel antenna is the smart way of improving coverage and reliability without resorting to higher output power.

- High gain directional antenna with linear polariztion
- Field-proven performance
- Advanced antenna design
- High gain for maximum range
- Superior directivity
- Rugged construction

> Included Accessory

- Stainless steel mounting clamps for up to 2.5" O.D. pipe

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