



**WIRELESS COMMUNICATIONS SOLUTIONS
DIVISION**

**Outdoor Integrated 2.4-2.5 GHz 19dBi
Directional Panel Antenna**

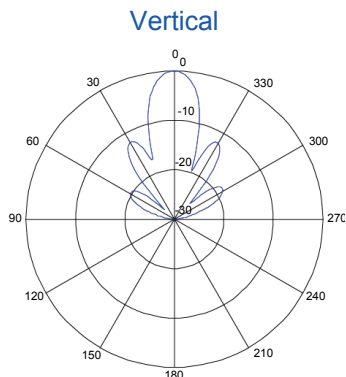
Electrical Specifications	
Frequency Range	2.40-2.50 GHz
Gain	19 dBi
Vertical Beamwidth	18 deg
Horizontal Beamwidth	18 deg
Polarization	Single linear, horizontal or vertical
VSWR	≤1.5:1
Front-to-Back Ratio	>30 dB
Cross Polarization	>30 dB
Power Rating	30 watts
Impedance	50 ohms
Lighting Protection	DC ground
Connector Type (others available)	Integral SMA jack, standard

(Z)P2419ENC

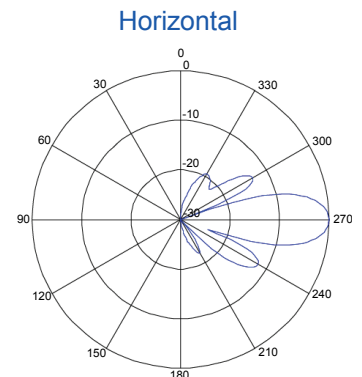
The 19dBi outdoor integrated antenna is a low cost alternative to the expensive integrated CPE solutions of today. The integrated antenna integrates an 19dBi antenna and virtually any radio electronics into a single enclosure eliminating the need for bulky, costly cables. Assembly of the 19dBi outdoor integrated antenna is also simple, allowing for quick and easy provisioning of units into the field. The enclosure meets NEMA4 weatherproofing requirements. The antenna is a single linear polarization antenna consisting of a patented low cost, high performance circuit design. The integrated antenna is enclosed in a UV stabilized ABS plastic radome with aluminum backplane and access panel for superior weatherability. The integrated antenna solution is configured for both vertical and horizontal antenna polarization mounting.

Mechanical and Environmental Specifications	
Length	15.4 in (391 mm)
Width	15.4 in (391 mm)
Depth	2.0 in (51 mm)
Weight	4.0 lb (1.36 kg)
Backplane, Access Panel	Aluminum
Radome	UV stabilized ABS plastic
Wind Survivability	125 mph (201 kph)
Wind Load	1.90 ft ² (0.18 m ²)
Operating Temperature Range	-49°F to +149°F (-45°C to +65°C)
Pole Mount Diameter Range	0.75 in to 3.00 in (19 mm to 76 mm)

Radiation Patterns, typ.



Antenna mounted in vertical polarization configuration



Specifications subject to change without notice