



## *Ideal for*

- Indoor / Outdoor MIMO LTE Coverage
- Failover LTE
- High Data Speeds

## **Labrador Pro Series**



## *Features*

- 5G
- MIMO LTE
- HIGH PERFORMANCE
- HIGH EFFICIENCY
- 617-6000 MHz



## Product Description

The Labrador PRO Series antennas are wall-mounted with a pole-mount option. The Labrador series is perfect for 2X data speeds in buildings, outdoor LTE coverage, or LTE failover.

Patent pending.



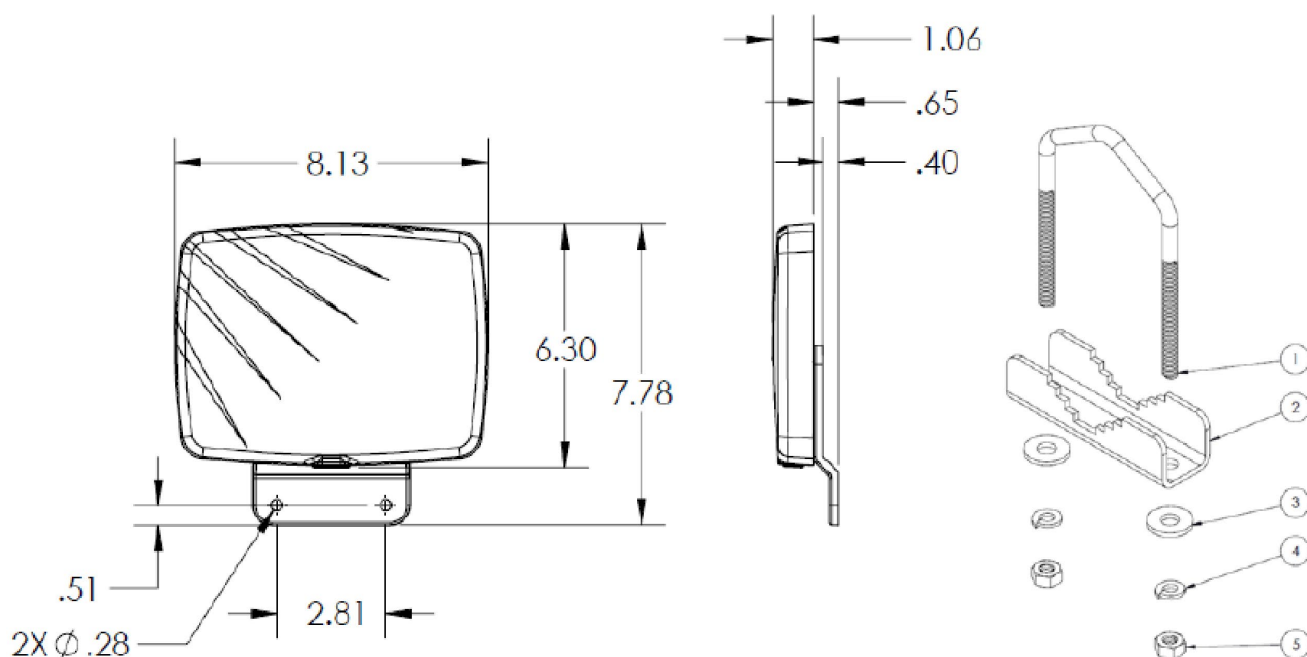
## 5G/4G/LTE Frequency Ranges

617 – 698 MHz  
698 – 894 MHz  
1710 – 2700 MHz  
3400 – 4000 MHz  
5150 – 5925 MHz

## Specifications

5G/4G/LTE Bands	
North America	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B30, B41, B46, B48, B66, B71 n2, n5, n12, n25, n26, n41, n48, n66, n71, n77
EMEA	B1, B3, B7, B20, B28, B42, B43, B46 n1, n3, n28, n77, n78
Mechanical	
Dimensions	8.13 inch width x 6.3 inch height 1.06 inch thickness (excluding bracket)
Mounting	Bracket with screws to a non-metallic surface Pole mount for 2-3 inch mast diameter
Environmental	
Operating Temperature	-40°C to 85°C
Ingress Protection	IP54 Outdoor

## Product Dimensions



## Electrical Specifications

### Electrical Specifications

ID	Port	Parameters	Units	Typ.
<b>Radiated Efficiency</b>	LTE -1,2	617 - 698 MHz	%	50
	LTE -1,2	698 - 894 MHz		80
	LTE -1,2	1710 - 2700 MHz		75
	LTE -1,2	3400 - 4000 MHz		55
	LTE -1,2	5150 - 5925 MHz		80
<b>Peak Gain</b>	LTE -1,2	617 - 698 MHz	dBi	2.5
	LTE -1,2	698 - 894 MHz		3
	LTE -1,2	1710 - 2700 MHz		4
	LTE -1,2	3400 - 4000 MHz		6
	LTE -1,2	5150 - 5925 MHz		10
<b>Return Loss (50 Ω)</b>	LTE -1,2	617 - 698 MHz	dB	2
	LTE -1,2	698 - 894 MHz		7
	LTE -1,2	1710 - 2700 MHz		7
	LTE -1,2	3400 - 4000 MHz		6
	LTE -1,2	5150 - 5925 MHz		5
<b>Isolation</b>	LTE -1,2	617 - 698 MHz	dB	12
	LTE -1,2	698 - 894 MHz		10
	LTE -1,2	1710 - 2700 MHz		16
	LTE -1,2	3400 - 4000 MHz		20
	LTE -1,2	5150 - 5925 MHz		27
<b>Polarization</b>	LTE			Linear
<b>Max Input Power</b>			Watts	5
<b>RF Connector</b>	LTE	15ft. Cable		SMA (M)
	LTE	1ft. Pigtail		N (F)
<b>RF Cable Type</b>	LTE			LSR240

# Ordering

## Standard Antenna Part Numbers

Configurations	Part Number	Description
2:1	PTAWM2L01W	2 LTE, 1ft cable, White, SMA (M)
	PTAWM2L01W-NF	2 LTE, 1ft cable, White, N type Female
	PTAWM2L15W	2 LTE, 15ft cable, White, SMA (M)

### Notes:

*N type connector is recommended for outdoor usage due to it being waterproof. N type is also best used for cable runs longer than 25ft due to it being a stronger connection.*

*SMA connectors have a max torque of 3-5 inch lbs.*



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