

# LABRADOR

PTA Series Antenna



The Labrador PTA series antenna is a 5G, 2X2 MIMO cellular, omni-directional antenna perfect for 2X data speed of cellular coverage inside buildings or outdoors. A minimalist aesthetic appearance and small footprint makes the Labrador a perfect addition to any retail or office space. With access to the full 600 MHz to 6 GHz 5G spectrum, bring high-capacity throughput to your enterprise.

This PTA series IP54 rated antenna can be wall or pole mounted indoors and outdoors. Accompanied with low loss cables for high performance and router optimization.

Patent Pending



1st  
to 5G



## Configurations 2:1

Primary Network | Retail Enterprise | IoT Applications

### Compact Aesthetic Design

Subtle for Office & Retail

### High Data Speeds

High-Capacity Throughput 5G

### Durable

IP54 Rated for Indoor/ Outdoor Use

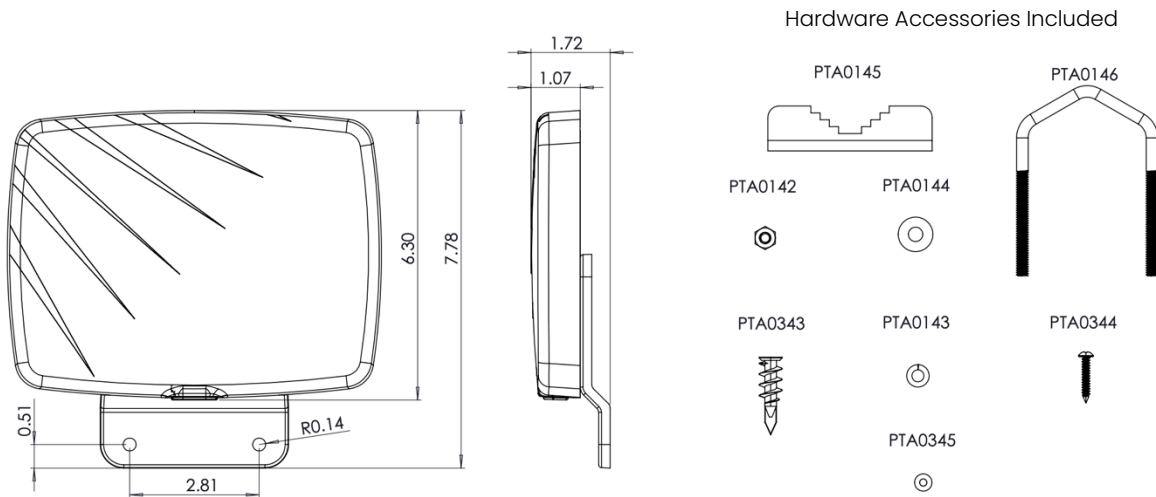
- 2X2 MIMO CELLULAR
- OMNI-DIRECTIONAL
- 600 MHz – 6 GHz
- INDOOR/ OUTDOOR
- WALL OR POLE MOUNT
- 8.13 in X 7.78 in X 1.72 in



## Specifications

Frequencies			
4G/5G Cellular		617-698 MHz 698-894 MHz 1710-2700 MHz 3400-4000 MHz 5150-5925 MHz	
4G/5G 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, n8, n77, n78		
Mechanical		Environmental	
Dimensions	8.13 inch X 7.78 inch X 1.72 inch thickness excluding mounting bracket	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
Mounting	Bracket with screws to a non-metallic surface. Pole mount for 1.5-2.5 inch mast diameter	Ingress Protection	IP54
RF Cable Length	Choice of 1 or 15 ft cables		
<ul style="list-style-type: none"><li>Pole mount consists of V-bolt, saddle clamp, and related hardware.</li><li>Optional 25 ft LSR240 and 50 ft LSR400 cable kits are available.</li></ul>			

## Dimensions



## *Product Images*



## *Electrical Specifications*

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1, 2	617-698 MHz	50
	CELL 1, 2	698-894MHz	80
	CELL 1, 2	1710-2700 MHz	75
	CELL 1, 2	3400-4000 MHz	55
	CELL 1, 2	5150-5925 MHz	80
Peak Gain (dBi)	CELL 1, 2	617-698 MHz	2.5
	CELL 1, 2	698-894MHz	3
	CELL 1, 2	1710-2700 MHz	4
	CELL 1, 2	3400-4000 MHz	6
	CELL 1, 2	5150-5925 MHz	10
Return Loss 50Ω (dB)	CELL 1, 2	617-698 MHz	2
	CELL 1, 2	698-894MHz	7
	CELL 1, 2	1710-2700 MHz	7
	CELL 1, 2	3400-4000 MHz	6
	CELL 1, 2	5150-5925 MHz	5
Isolation (dB)	CELL 1, 2	617-698 MHz	12
	CELL 1, 2	698-894MHz	10

	CELL 1, 2	1710-2700 MHz	16
	CELL 1, 2	3400-4000 MHz	20
	CELL 1, 2	5150-5925 MHz	27
<b>Polarization (dBi)</b>	CELL		Linear
<b>Max Input Power (Watts)</b>	CELL		5
<b>RF Connectors</b>	CELL		SMA(M)
<b>RF Cable Type</b>	CELL		LSR200
<ul style="list-style-type: none"> <li>Isolation, return loss, and peak gain does not include cable loss.</li> <li>Performance will be degraded if the antenna is mounted close to wiring or metal wall studs.</li> <li>SMA connectors have a max torque of 3-5 inch lbs.</li> <li>NF connectors have a max torque of 6.2-9.7 inch lbs.</li> <li>Parsec is currently phasing out inventory with LTE on our Cellular cables (now labeled CELL). For cables labeled LTE, please refer port "CELL" in the data sheets and installation instructions.</li> </ul>			

## Part Number Key

*Part number example of a 2:1 Labrador antenna, white: PTAWM2L15W*

Description	Abbreviation	Part Number
All PTA Series	PTA	PTA
Antenna Abbreviation for Labrador	WM	PTAWM
Number of CELL Elements	#L	PTAWM2L
Cable Length Measured in Feet: 01=1', 15=15'	01, 15, etc.,	PTAWM2L15
Radome Color - W for White	W	PTAWM2L15W
If SMA Connector, Simply Leave Blank		PTAWM2L15W
Additional Options		
N Type Female Connector	-NF	PTAWM2L01W-NF
Custom connectors and cable kits are available. Please contact us for more information at <a href="mailto:sales@parsec-t.com">sales@parsec-t.com</a> .		

## Ordering

### Standard Antennas

Configurations	Part Number	Description
2:1	PTAWM2L01W	2 Cellular, 1 ft Cable, White,
	PTAWM2L01W-NF	2 Cellular, 1 ft Cable, White, N Type Female
	PTAWM2L15W	2 Cellular, 15 ft Cable, White,
N Type connector is recommended for outdoor usage due to it being waterproof. N Type is also best used for cable runs longer than 25 ft due to it being a stronger connection.		



## *Additional Hardware Accessories*

Accessory	Part Number
Replacement Pole Mount Assembly	PTA0147
Lightning Arrestor – SMA(F) to SMA(F)	PTA0476
Lightning Arrestor – N(F) to N(M)	PTA0736
SMA Wrench, Key Chain	PTA0194
Service: Cable Sleeving (Priced Per Ft)	Cable Sleeving