



The Chihuahua STX PRO Series antenna is a 2X2 MIMO cellular omni-directional antenna. The Chihuahua STX is designed for high performance of 698 MHz to 2.7 GHz frequencies for industrial IoT, oil and natural gas fields, and enterprise network solutions.

This PRO Series, IP67 rated antenna is compact, tamper-resistant, and rugged. The high-end stainless-steel base plate of the antenna prevent any corrosion or rust that would occur on competing antennas. The hard rugged shell keeps any unwanted water, oil, or other contaminants from affecting the antenna elements.

Patent Pending



1st  
to  
**5G**



## Configurations 2:1

Industrial IoT | Mobile Broadband | Warehouse Solutions

### ***Vibration & Shock Resistant***

Built Rugged for High Impact

### ***High Speed Data***

Fast Enough for Remote Video Monitoring

### ***Water Resistant***

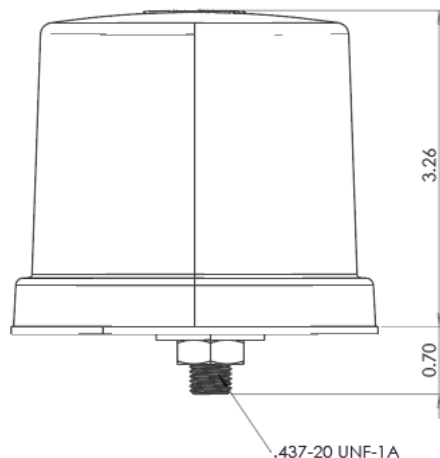
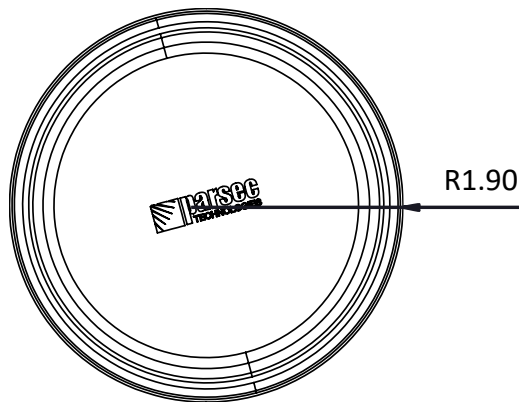
IP67 Rated with Watertight Gaskets

- 2X2 MIMO CELLULAR
- OMNI-DIRECTIONAL
- 698 MHz – 2.7 GHz
- 3.8 inch x 3.26 inch
- 7/16" OFFSET BOLT

# Specifications

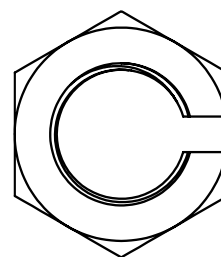
Frequencies			
4G/5G Cellular		698-960 MHz 1710-2200 MHz 2300-2700 MHz	
4G/5G Bands			
North America	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B30, B41, B66		
EMEA	B1, B3, B7, B20, B28		
Mechanical		Environmental	
Dimension	3.8 inch x 3.26 inch	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
Mounting	Single 1 inch	Ingress Protection	IP67

# Dimensions

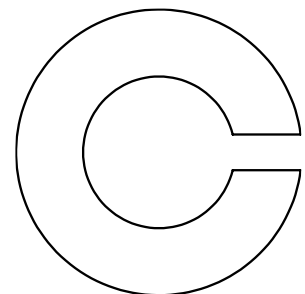


Hardware Accessories

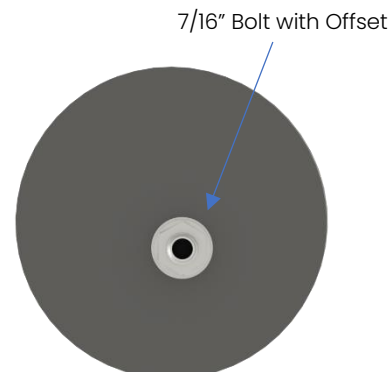
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## Product Images



## Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1, 2	698-960 MHz	60
	CELL 1, 2	1710-2200 MHz	70
	CELL 1, 2	2300-2700 MHz	50
Peak Gain (dBi)	CELL 1, 2	698-960 MHz	5
	CELL 1, 2	1710-2200 MHz	7
	CELL 1, 2	2300-2700 MHz	6
Return Loss 50Ω (dB)	CELL 1, 2	698-960 MHz	6
	CELL 1, 2	1710-2200 MHz	9
	CELL 1, 2	2300-2700 MHz	4
Isolation	CELL 1, 2	698-960 MHz	5.5
	CELL 1, 2	1710-2200 MHz	11
	CELL 1, 2	2300-2700 MHz	14
Polarization	CELL		Linear
Max Input Power (Watts)	CELL		10
RF Connectors	CELL		SMA(M)
RF Cable Type	CELL		LSR200
<ul style="list-style-type: none"> <li>Electrical Specifications based on antenna with a 2 ft x 2 ft external ground plane.</li> <li>Isolation, return loss, and peak gain do not include cable loss.</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 Chihuahua STX antenna, black: PRO2STX2L15B*

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	2:1	PRO2
Antenna Abbreviation for Chihuahua STX	STX	PRO2STX
Number of CELL Elements	#L	PRO2STX2L
Cable Length Measured in Feet: 01=1', 15=15'	01, 15, etc.,	PRO2STX2L15
Radome Color – B for Black, W for White	B or W	PRO2STX2L15B
If SMA Connector, Simply Leave Blank		PRO2STX2L15B
Additional Options		
N Type Female Connector	-NF	PRO2STX2L01B-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

### Non-Standard Antennas

Config.	Part Number	Description
2:1	PRO2STX2L01B	2 Cellular, 1 ft Cable, Black
	PRO2STX2L01W	2 Cellular, 1 ft Cable, White
	PRO2STX2L06B	2 Cellular, 6 ft Cable, Black
	PRO2STX2L06W	2 Cellular, 6 ft Cable, White

## Hardware Accessories

Accessory	Part Number
Pole Mount Kit	PTA0637
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



**Parsec Antennas**

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