



The Chow PTA series antenna is a 5G, 2X2 MIMO cellular, omni-directional antenna optimized for C-Band to provide excellent efficiency in a minimalistic design. This high-performance antenna is perfect for future proofing any factory automation, IoT application, retail, or enterprise.

This PTA series IP54 rated antenna has a compact wall mount that can be installed indoors, outdoors and by pole mount.

Patent Pending



1st
to 5G



Configurations 2:1

Factory Automation | IoT Applications | Retail Enterprise

Future Proof

Features 5G & C-Band

Compact Aesthetic Design

Subtle for Retail & Enterprise

Durable

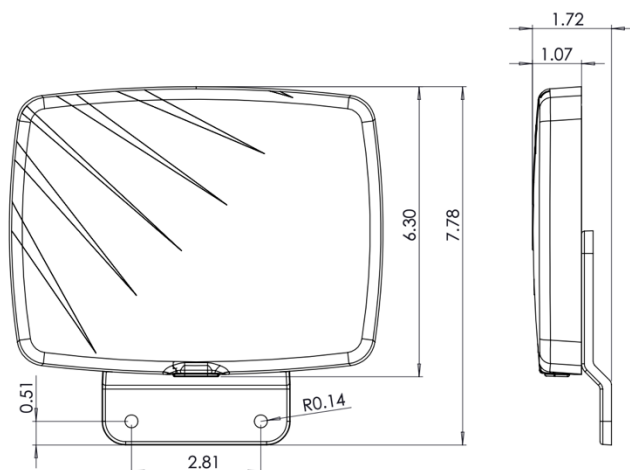
IP54 Rated for Indoor/Outdoor Use

- 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

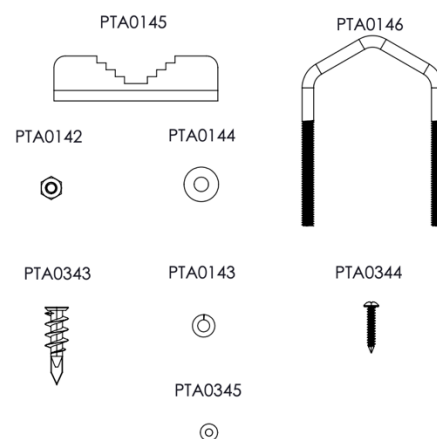
Specifications

| Frequencies | | | |
|---|---|--|--------------------------------------|
| 4G/5G Cellular | | 617-894 MHz 1710-2700 MHz 3300-4000 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">Pole mount consists of V-bolt, saddle clamp, and related hardware.Optional 25 ft LSR240 and 50 ft LSR400 cable kits are available. | | | |

Dimensions



Hardware Accessories Included



Product Images



Electrical Specifications

| ID & Unit | Port | Parameters | Typ. |
|-------------------------|-----------|---------------|------|
| Radiated Efficiency (%) | CELL 1, 2 | 617-663 MHz | 55 |
| | CELL 1, 2 | 663-698 MHz | 65 |
| | CELL 1, 2 | 698-798 MHz | 75 |
| | CELL 1, 2 | 798-894 MHz | 70 |
| | CELL 1, 2 | 1710-1915 MHz | 80 |
| | CELL 1, 2 | 1915-2700 MHz | 70 |
| | CELL 1, 2 | 3400-4000 MHz | 70 |
| | CELL 1, 2 | 5150-5925 MHz | 50 |
| Peak Gain (dBi) | CELL 1, 2 | 617-663 MHz | 1 |
| | CELL 1, 2 | 663-698 MHz | 1.5 |
| | CELL 1, 2 | 698-894 MHz | 2.5 |
| | CELL 1, 2 | 1710-1915 MHz | 3.5 |
| | CELL 1, 2 | 1915-2700 MHz | 4 |
| | CELL 1, 2 | 3300-4000 MHz | 4.5 |
| | CELL 1, 2 | 5150-5925 MHz | 3 |
| Return Loss 50Ω (dB) | CELL 1, 2 | 617-663 MHz | 3 |
| | CELL 1, 2 | 663-698 MHz | 7 |

| | | | |
|--|-----------|---------------|----------------|
| | CELL 1, 2 | 698-798 MHz | 9 |
| | CELL 1, 2 | 798-894 MHz | 7 |
| | CELL 1, 2 | 1710-1915 MHz | 9 |
| | CELL 1, 2 | 1915-2700 MHz | 6 |
| | CELL 1, 2 | 3300-4000 MHz | 7 |
| | CELL 1, 2 | 5150-5925 MHz | 3 |
| Isolation (dB) | CELL 1, 2 | 617-698 MHz | 11 |
| | CELL 1, 2 | 698-798 MHz | 10 |
| | CELL 1, 2 | 798-894 MHz | 13 |
| | CELL 1, 2 | 1710-1915 MHz | 10 |
| | CELL 1, 2 | 1915-2700 MHz | 14 |
| | CELL 1, 2 | 3300-4000 MHz | 20 |
| | CELL 1, 2 | 5150-5925 MHz | 30 |
| Polarization (dBi) | CELL | | Linear |
| Max Input Power (Watts) | CELL | | 5 |
| RF Connectors | CELL | | SMA(M) N(F) |
| RF Cable Type | CELL | | LSR200 |
| <ul style="list-style-type: none"> Isolation, return loss, and peak gain does not include cable loss. Performance will be degraded if the antenna is mounted close to wiring or metal wall studs. SMA connectors have a max torque of 3-5 inch lbs. NF connectors have a max torque of 6.2-9.7 inch lbs. 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. | | | |

Part Number Key

Part number example of a 2:1 Chow antenna, white: PTA2CW2L15W

| Description | Abbreviation | Part Number |
|--|--------------|----------------|
| All PTA Series | PTA | PTA |
| Number of Antennas in Housing/Configuration | 2:1 | PTA2 |
| Antenna Abbreviation for Labrador | WM | PTACW |
| Number of CELL Elements | #L | PTA2CW2L |
| Cable Length Measured in Feet: 01=1', 15=15' | 01, 15, etc. | PTA2CW2L15 |
| Radome Color - W for White | W | PTA2CW2L15W |
| If SMA Connector, Simply Leave Blank | | PTA2CW2L15W |
| Additional Options | | |
| N Type Female Connector | -NF | PTA2CW2L01W-NF |
| Custom connectors and cable kits are available. Please contact us for more information at sales@parsec-t.com . | | |

Ordering Standard Antennas

| Configurations | Part Number | Description |
|--|----------------|--|
| 2:1 | PTA2CW2L01W | 2 Cellular, 1 ft Cable, White, |
| | PTA2CW2L01W-NF | 2 Cellular, 1 ft Cable, White, N Type Female |
| | PTA2CW2L15W | 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 |



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