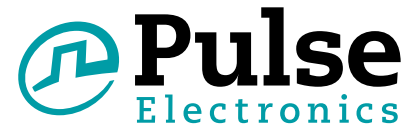


PIMinator™ Series

Low PIM In-building Omni MIMO Antenna with 500 mm Plenum rated Pigtail and NF Connector

Pulse Part Number DASLTE500NFMIMO



Industry leading -155 dBc certified low Passive Inter-Modulation (PIM) Distributed Antenna System (DAS) In-Building ceiling mount omni MIMO antennas. The Pulse Electronics line of DAS in-building low PIM omni antennas meets the most demanding PIM requirements for 2G, 3G, and LTE/4G bands.

These low PIM antennas help meet increasing demand for high data rates and streaming video for mobile devices. The wide band design meets the needs of operators around the world.

Features

- Multiple input / multiple output (MIMO) provides network carrier greater data rates for improved customer experience.
- Industry leading -155 dBc PIM rating
- Covers cellular bands, WiFi and WiMAX from 698 through 5900 MHz
- Aesthetically pleasing injection molded radome
- PIM certified
- RoHS compliant product
- Patent pending

Applications

- In-Building DAS systems requiring best PIM performance
- Multiple input/multiple output (MIMO) allows fewer antennas in multi-carrier, neutral host applications.

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Low PIM In-building Omni MIMO Antenna with 500 mm Plenum rated Pigtail and NF Connector

Pulse Part Number DASLTE500NFMIMO

Electrical Specifications

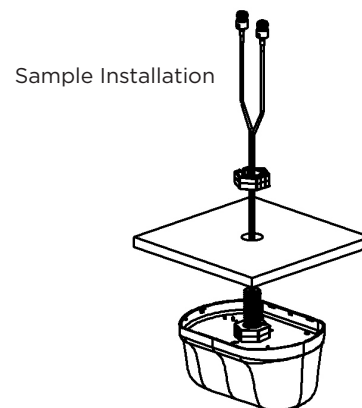
| | | |
|--------------------------------|---|---|
| Frequency [MHz] | | 698-960/1710-2170/ 2300-2700/4900-5900 |
| Nominal Impedance [Ω] | | 50 |
| VSWR | 698-960 MHz | 1.7:1 Max |
| | 1710-5900 MHz | 1.7:1 Max |
| Isolation [db] | | < -25 |
| Gain | 698-960 MHz [dBi typ] | 2 |
| | 1710-5900 MHz [dBi typ] | 5 |
| Radiation Pattern | HPBW Horizontal Plane at 45° [°] | 360 |
| | HPBW Vertical Plane (698-960) [° typ] | 85 |
| | HPBW Vertical Plane (1710-2700) [° typ] | 50 |
| | HPBW Vertical Plane (4900-5900) [° typ] | 30 |
| Polarization | | Vertical |
| Power Rating [W] | | 50 |
| PIM at 2x20 Watts [dBc] | | -155 |
| Connector | | N Female |
| Cable Type | | Dia. 0.160" low loss, low PIM, Plenum Rated |
| Cable Length [Inches/mm] | | 19.7 / 500 |

Environmental Specifications

| | |
|----------------------------|------------|
| Operating Temperature [°C] | -40 to +70 |
|----------------------------|------------|

Mechanical Specifications

| | |
|----------------------------|------------------------|
| Radome Material | UV Protected, UL94 V-0 |
| Color | White |
| Weight [oz/g] | 19.04 / 540 |
| Overall Height [Inches/mm] | 4.72 / 120 |
| Length [Inches/mm] | 8.73/222 |
| Width [Inches/mm] | 6.73/171 |
| Mounting | Ceiling |



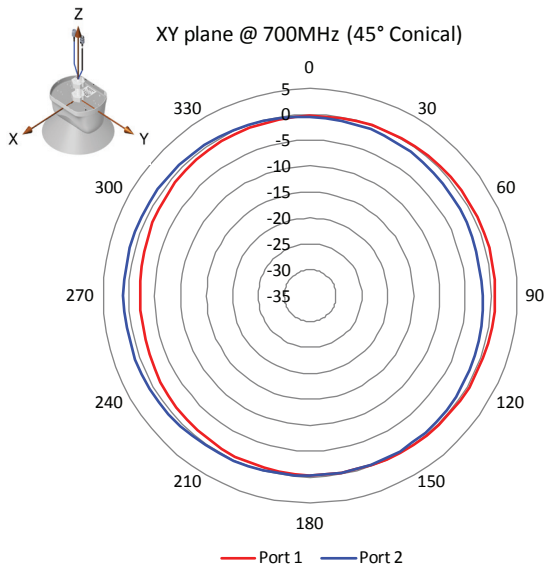
PIMinator™ Series

Low PIM In-building Omni MIMO Antenna with 500 mm Plenum rated Pigtail and NF Connector

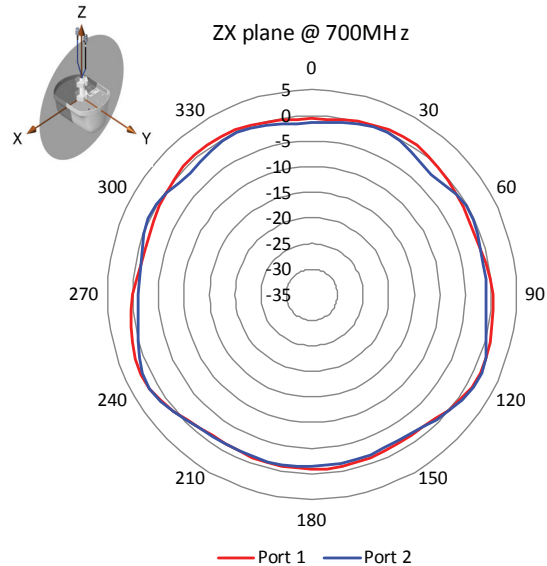
Pulse Part Number *DASLTE500NFMIMO*

Radiation Patterns

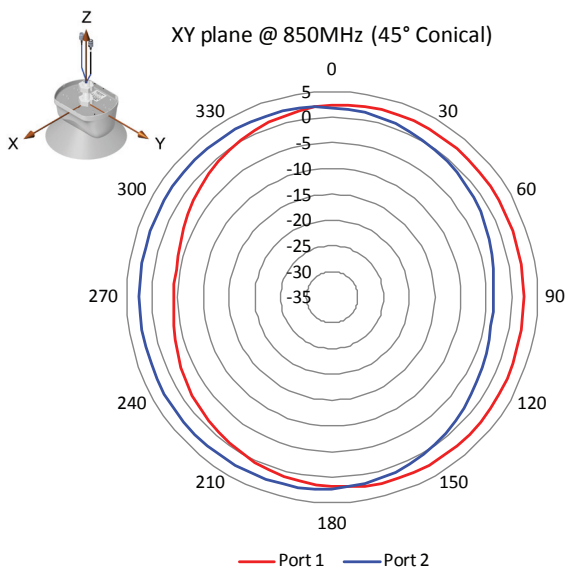
700MHz - Horizontal Plane



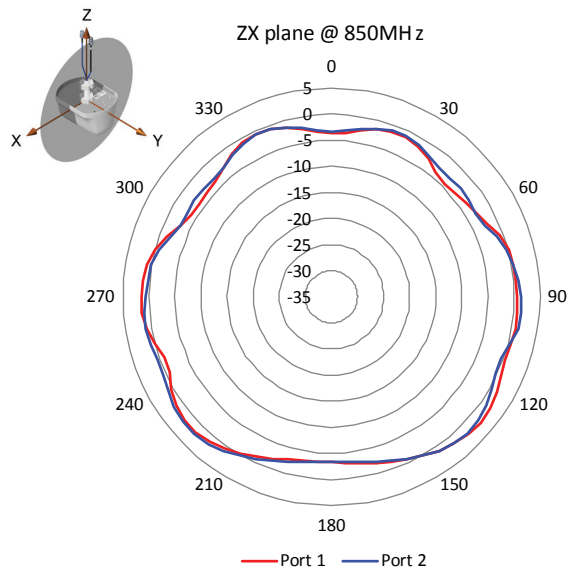
700MHz - Vertical Plane



850MHz - Horizontal Plane



850MHz - Vertical Plane



PIMinator™ Series

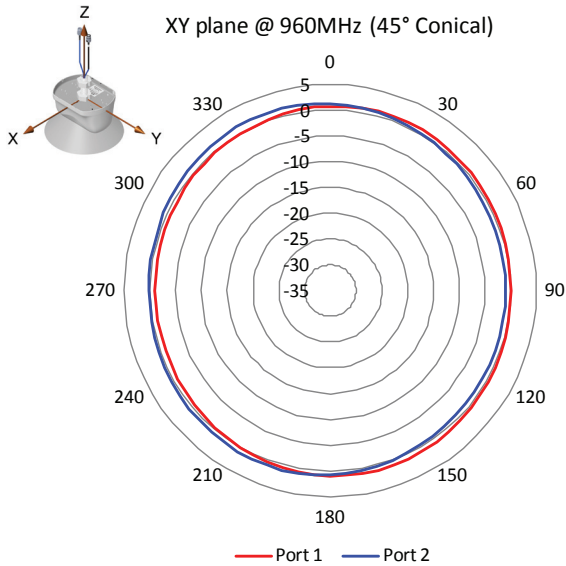
Low PIM In-building Omni MIMO Antenna

with 500 mm Plenum rated Pigtail and NF Connector

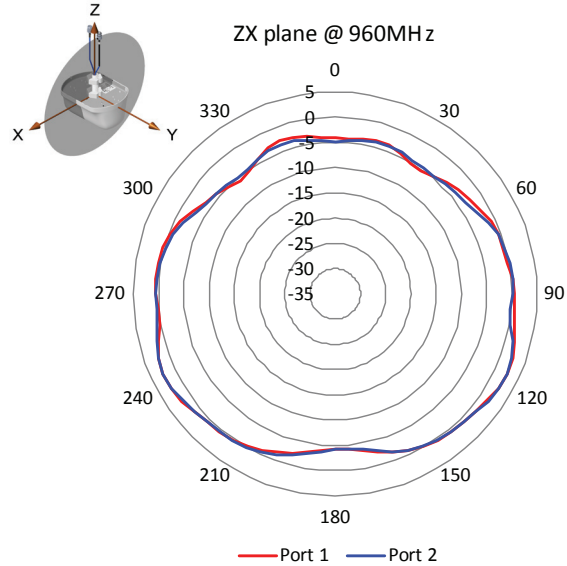
Pulse Part Number DASLTE500NFMIMO

Radiation Patterns

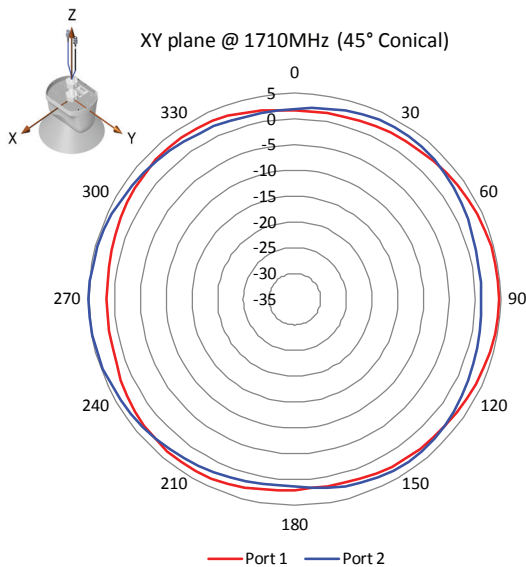
960MHz - Horizontal Plane



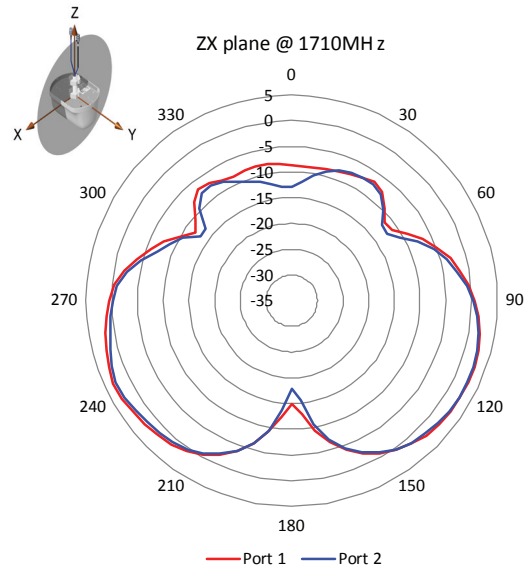
960MHz - Vertical Plane



1710MHz - Horizontal Plane



1710MHz - Vertical Plane



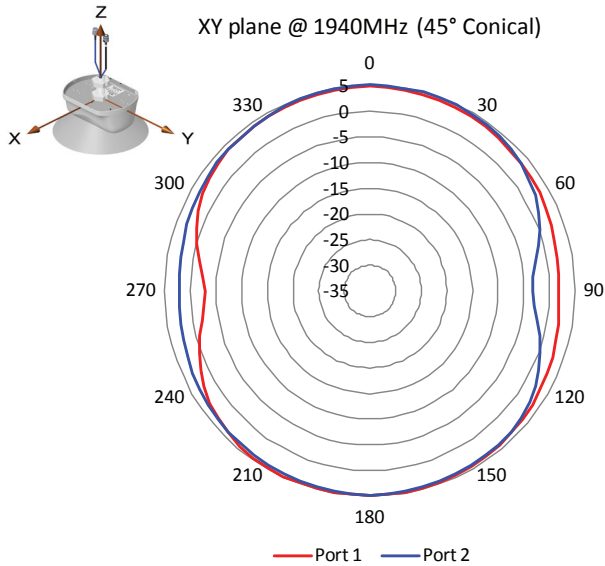
PIMinator™ Series

Low PIM In-building Omni MIMO Antenna with 500 mm Plenum rated Pigtail and NF Connector

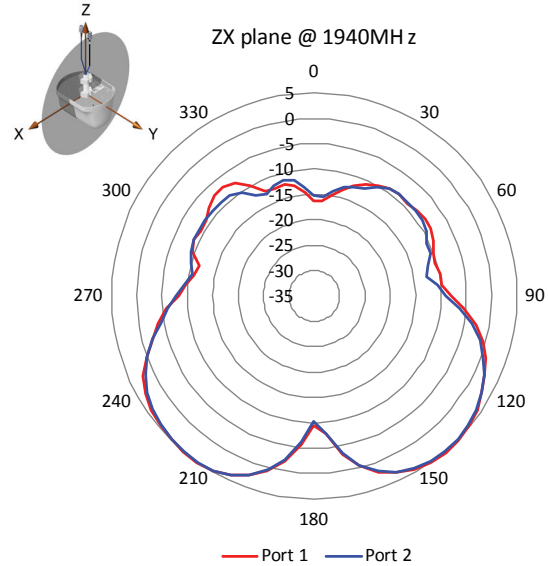
Pulse Part Number DASLTE500NFMIMO

Radiation Patterns

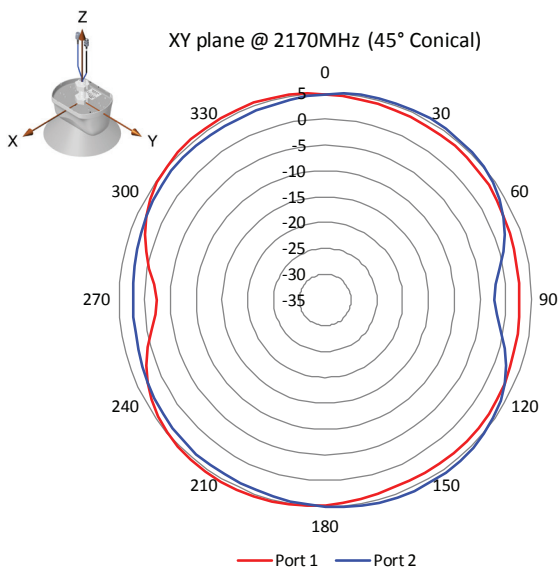
1940MHz - Horizontal Plane



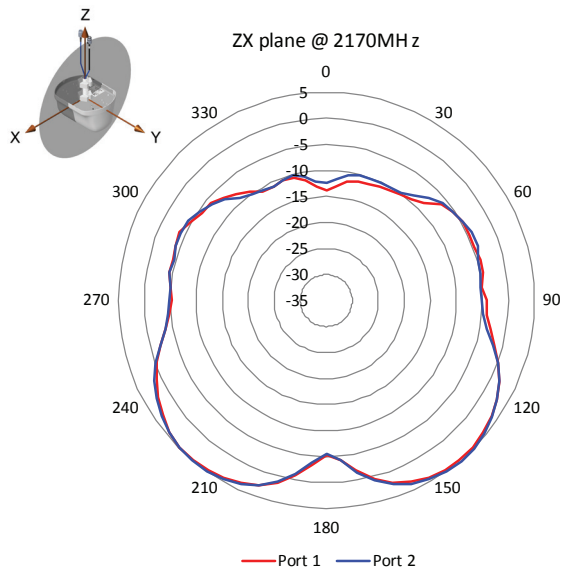
1940MHz - Vertical Plane



2170MHz - Horizontal Plane



2170MHz - Vertical Plane



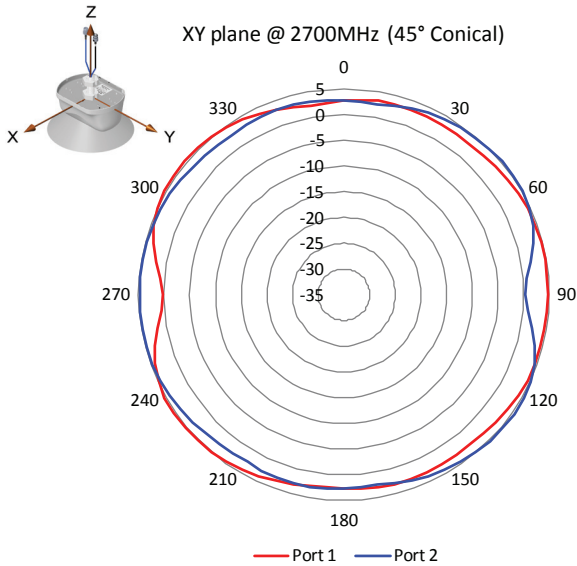
PIMinator™ Series

Low PIM In-building Omni MIMO Antenna with 500 mm Plenum rated Pigtail and NF Connector

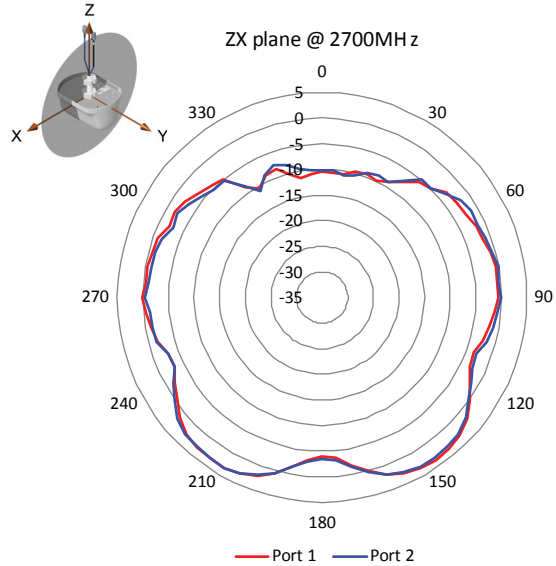
Pulse Part Number DASLTE500NFMIMO

Radiation Patterns

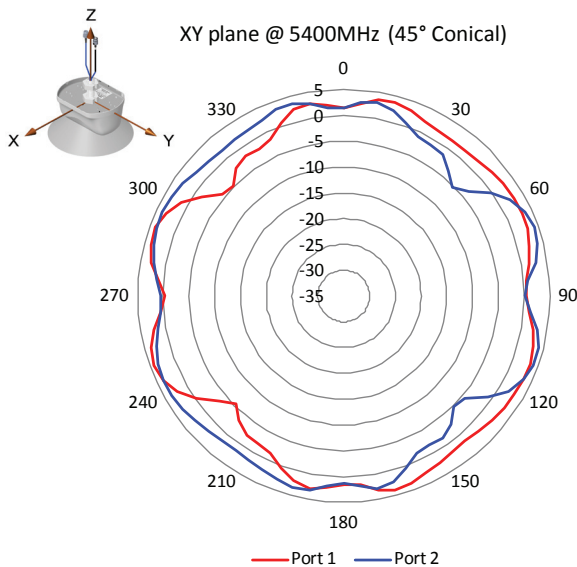
2700MHz - Horizontal Plane



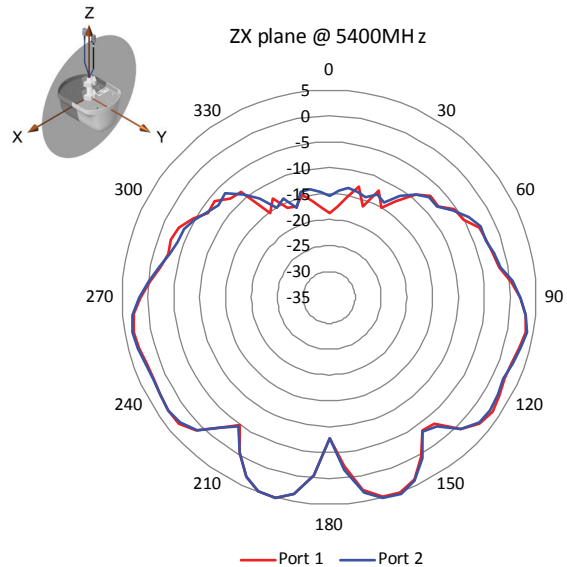
2700MHz - Vertical Plane



5400MHz - Horizontal Plane



5400MHz - Vertical Plane



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