PIMinator™ Series
Low PIM In-building Omni Antenna with Pigtail

Pulse Part Number DASLTE500NF



Industry leading -155 dBc certified low Passive Inter-Modulation (PIM) Distributed Antenna System (DAS) In-Building ceiling mount omni 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
- 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

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Electrical Specifications

	Frequency [MHz]	698-960/1710-2170/ 2300-2700/4900-5900
	Nominal Impedance [Ω]	50
VSWR	698-960 MHz	1.8:1
	1710-5900 MHz	1.5:1
Gain	698-960 MHz [dBi typ]	2
	1710-2700 MHz [dBi typ]	6
	4900-5900 MHz [dBi typ]	8
Radiation Pattern	HPBW Horizontal Plane at 45° [°]	360
	HPBW Vertical Plane (698-960) [° typ]	85
	HPBW Vertical Plane (1710-5900) [° typ]	50
	Polarization	Vertical
	Power Rating [W]	50
	PIM at 2x20 Watts [dBc]	-155
	Connector	N Female
	Cable Type	1/4" low loss, low PIM, Plenum Rated
	Cable Length [Inches/mm]	19.7 / 500

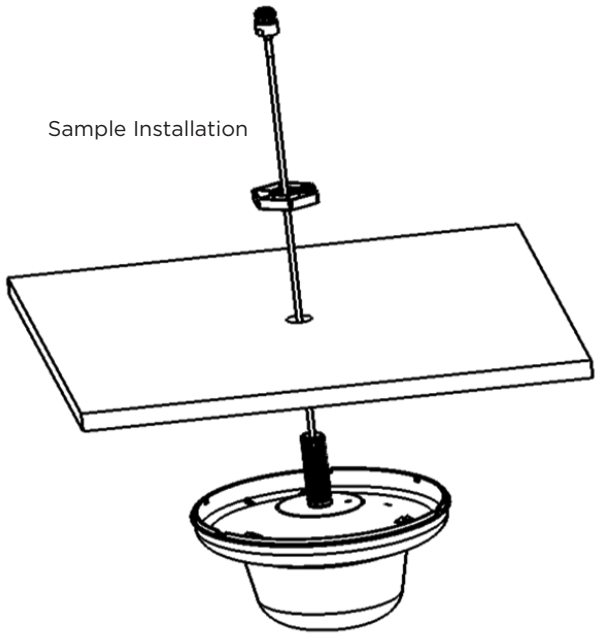
Environmental Specifications

Operating Temperature [°C]	-40 to +70

Mechanical Specifications

Radome Material	UV Protected, UL94 V-0
Color	White
Weight [oz/g]	17.28 / 490
Overall Height [Inches/mm]	4.59 / 116.5
Diameter [Inches/mm]	7.91 / 201
Mounting	Ceiling [.75"/19mm Ø hole]

Sample Installation

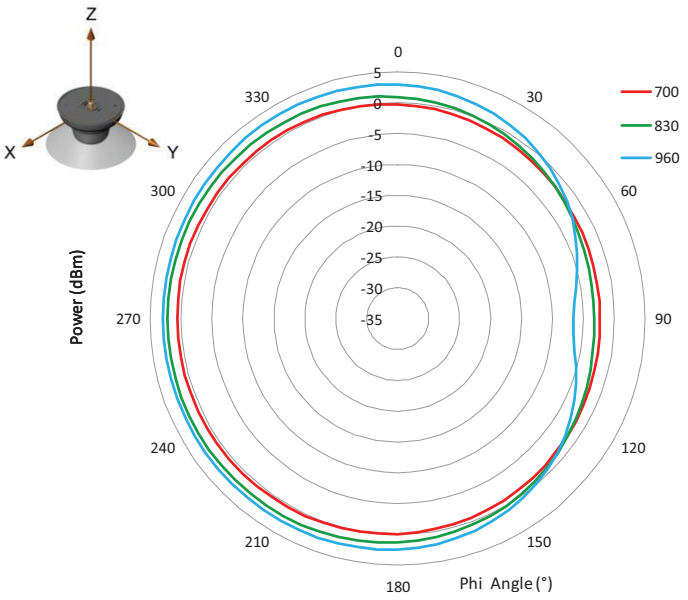


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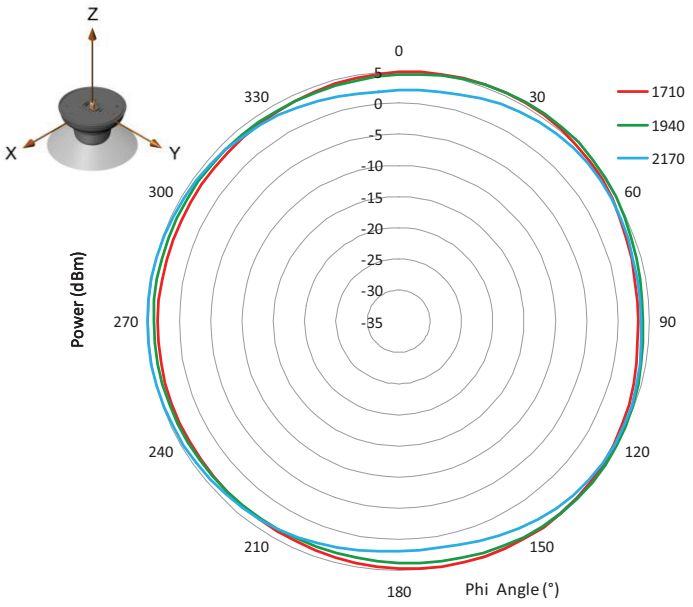
Pulse Part Number DASLTE500NF

Radiation Patterns

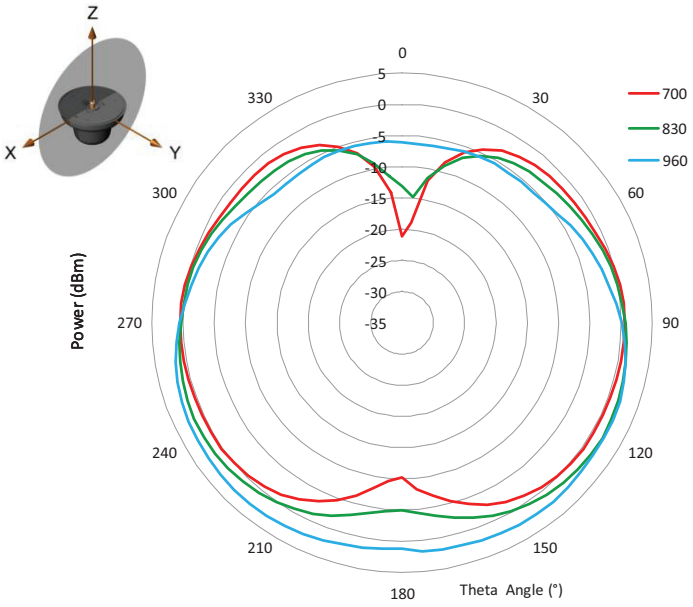
Horizontal Plane - 698-960 MHz



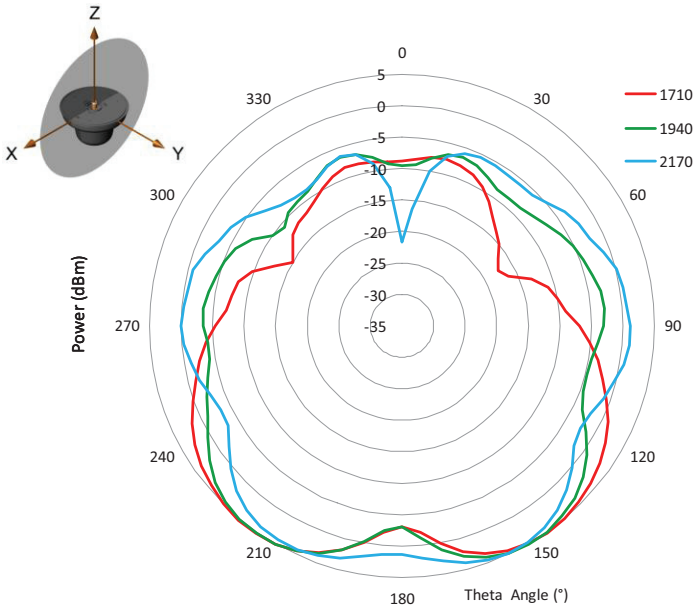
Horizontal Plane - 1710-2170 MHz



Vertical Plane - 698-960 MHz



Vertical Plane - 1710-2170 MHz

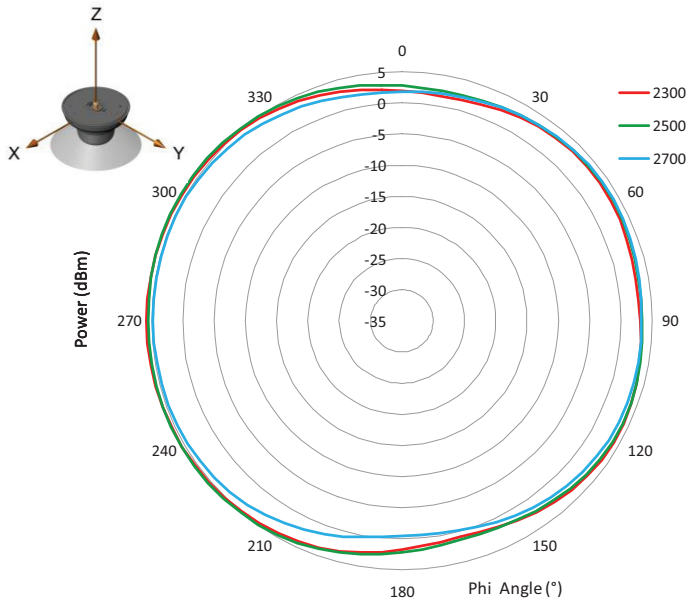


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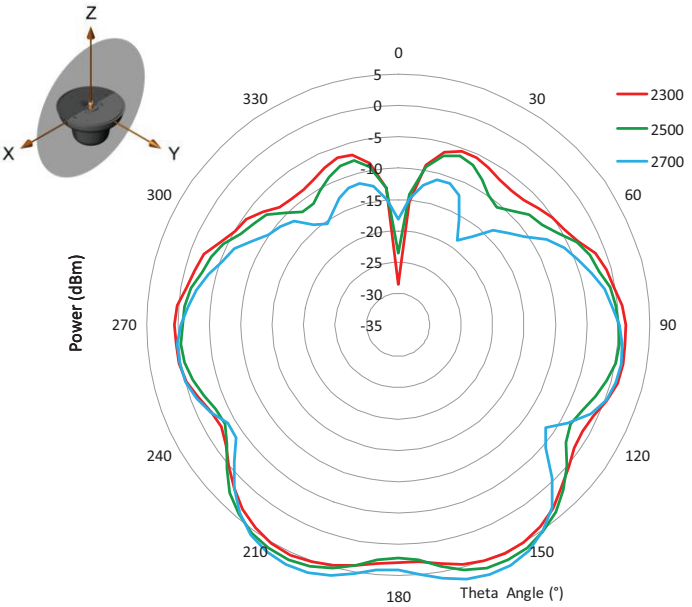
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Radiation Patterns

Horizontal Plane - 2300-2700 MHz



Vertical Plane - 2300-2700 MHz



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