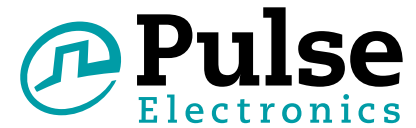


PIMinator® Series

World's First Translucent DAS Antenna!

Ultra-Thin, Ceiling-Mount Omni Antenna

Ceiling Omni Antenna: DASUTCC500NF



PROFILE VIEW



DIRECT VIEW FROM BELOW

Industry leading -155 dBc PIM compliant in-building Clear Ultra-Thin ceiling mount DAS omni antenna. The Pulse Electronics **PIMinator**® line of DAS in-building low PIM omni antenna meets the most demanding PIM requirements for 2G, 3G, 4G (LTE) and WiFi bands. Model includes a 500mm pigtail with N Female connector.

This low PIM antenna helps meet the operators 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

- Ultra-Thin
- Translucent (Clear)
- Industry leading -155 dBc at 2 x 20 watts (2 x 43dBm) PIM rating
- Covers cellular bands and WiFi from 608 through 2700 MHz
- RoHS Compliant
- Patent Pending design

Applications

- Ultra-Thin structure of products allow installation in to shallow areas
- Clear (Translucent) structure of antenna make this product to be near-invisible
- In-building DAS systems requiring best PIM

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Electrical Specifications

Frequency [MHz]		608-960/1695-2170/ 2300-2700
Nominal Impedance [Ω]		50
VSWR	608-960 MHz	<2:1
	1695-2170 MHz	<2:1
	2300-2700 MHz	<2:1
Gain	608-960 MHz [dBi typ]	2.5
	1695-2170 MHz [dBi typ]	4.0
	2300-2700 MHz [dBi typ]	4.0
Radiation Pattern	HPBW Horizontal Plane at 45° [°]	360
	HPBW Vertical Plane (608-960) [° typ]	95
	HPBW Vertical Plane (1695-2700) [° typ]	60
Polarization		Vertical
Power Rating [W]		50
PIM at 2x20 Watts [dBc]		-155
Connector		N Female
Cable Type		Plenum Rated, CM-Rated, NFPA262 compliant
Cable Length [Inches/mm]		19.69 / 500

Environmental Specifications

Operating Temperature [°C]	-40 to +70
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Mechanical Specifications

Radome Material	UV Protected, UL94 V-0
Color	Translucent (Clear)
Weight [oz/g]	1.65 / 750
Dimensions [Inches/m]	9,41 inches / 239 mm diameter, Full height 6,78 inches / 172 mm Extension from ceiling only 0,33 inches / 8,4 mm
Mounting	Through-hole mount

PIMinator® Series

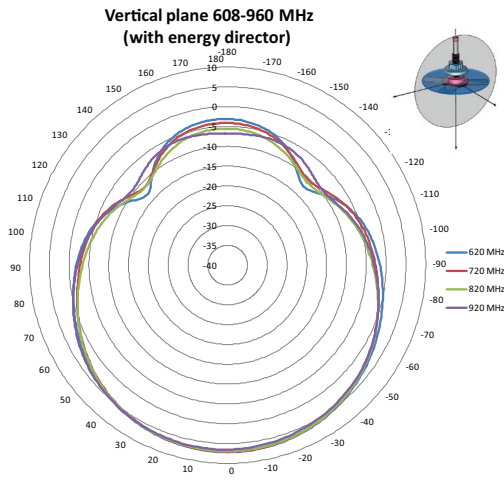
World's First Translucent DAS Antenna!

Ultra-Thin, Ceiling-Mount Omni Antenna

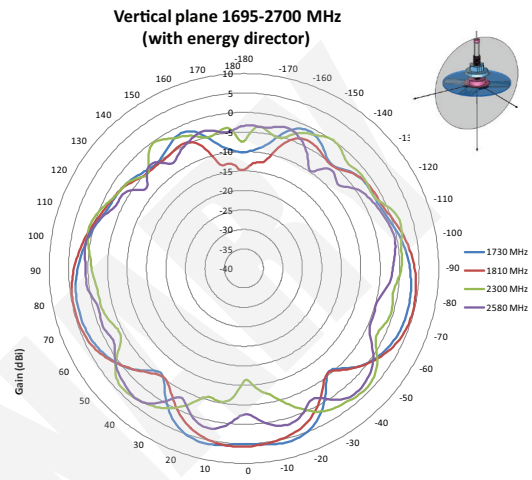
Ceiling Omni Antenna: DASUTCC500NF

Radiation Patterns

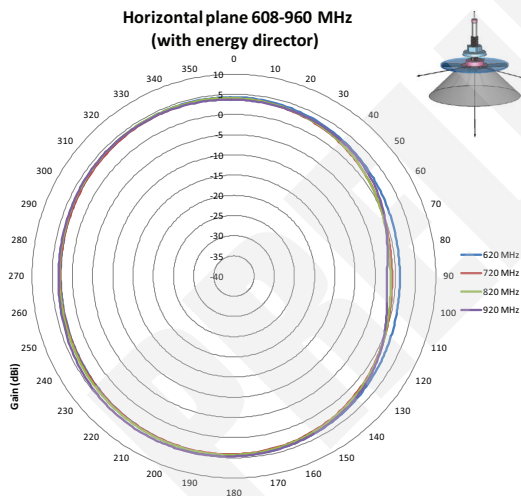
Vertical Plane



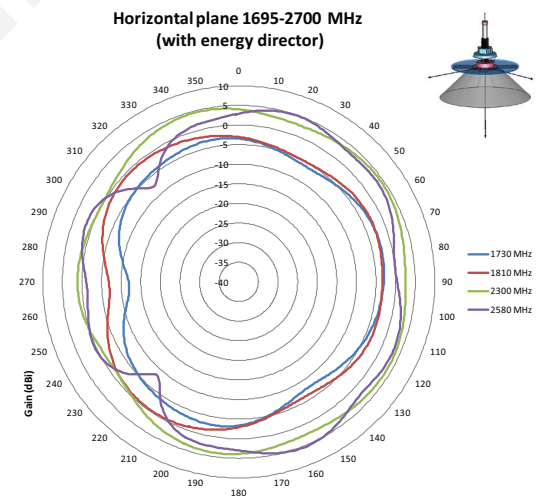
Vertical Plane



Horizontal Plane



Horizontal Plane



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