

## 5086500A

### Features

- Wideband indoor omni antenna covering 617-6000 MHz
- Compact, lightweight and easy to install
- Passive Intermodulation < -153 dBc @ 2x20W



This model is available in the iBwave In-Building Network Components Database - [www.ibwavecomponents.com](http://www.ibwavecomponents.com)



617-806/806-960/1350-1550  
1690-2700/3300-3800/4900-6000

Port 1

617-806/806-960/1350-1550  
1690-2700/3300-3800/4900-6000

Port 2

### ORDERING OPTIONS Select from the following ordering options

SELECT	MODEL NUMBER
Antenna with N-Type Female Connectors	5086500A
Antenna with 4.3-10 Female Connectors	5086500A-4310

### ELECTRICAL SPECIFICATIONS All Bands

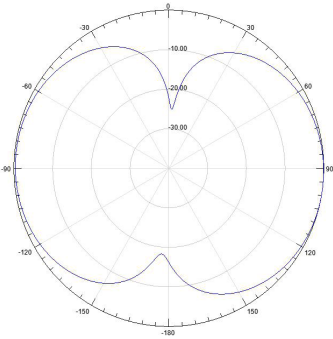
Frequency Range	617-6000 MHz					
Frequency Sub-Range (MHz)	617-806	806-960	1350-1550	1690-2700	3300-3800	4900-6000
Polarization	Linear Horizontal x2					
Gain	1.5 ± 0.5 dBi	2.2 ± 0.5 dBi	3.5 ± 0.5 dBi	4.5 ± 1.0 dBi	6.0 ± 1.0 dBi	6.0 ± 1.0 dBi
Horizontal Beamwidth	360°	360°	360°	360°	360°	360°
Impedance	50Ω					
VSWR	≤ 1.8	≤ 1.8	≤ 1.8	≤ 1.8	≤ 1.8	≤ 1.8
Isolation	≥ 16	≥ 18	≥ 18	≥ 20	≥ 30	≥ 30
Passive Intermodulation 3rd Order for 2x20 W Carriers	≤ -153 dBc					
Maximum Power	50W					
Connector Type	2 Ports, N-Type Female or 4.3-10					

### MECHANICAL SPECIFICATIONS

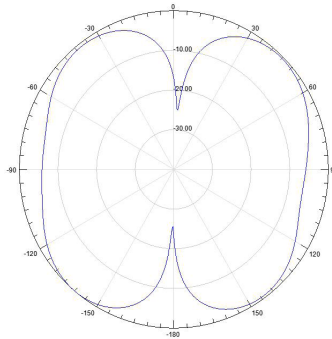
Antenna	Diameter	Ø266 mm (Ø10.5 in)
	Height	18 mm (0.7 in)
Net Weight		0.5 kg (1.1 lbs)
Operating Temperature		-55° to +60° C (-67° to +140° F)
Operational Humidity		< 95%
Radome Material		ABS
Radome Color		White, RAL 9003
Mounting Options		Fasteners included for mounting on ceiling tile and hard surfaces

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

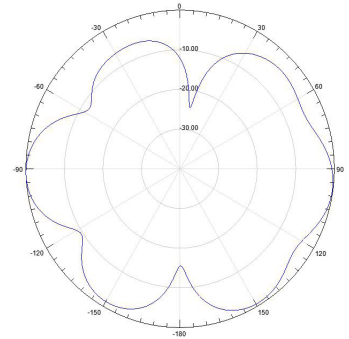
## 5086500A



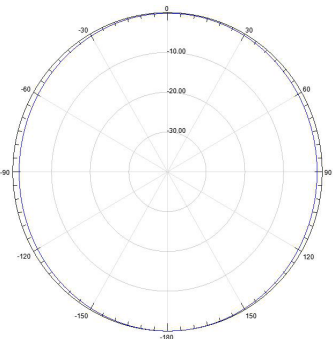
Horizontal, 900 MHz



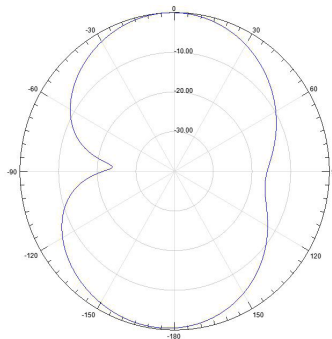
Horizontal, 1710 MHz



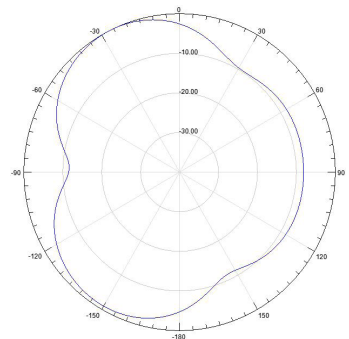
Horizontal, 2500 MHz



Vertical, 900 MHz



Vertical, 1710 MHz



Vertical, 2500 MHz

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