

5086100A

Features

- Wideband omni antenna covering 380-2700 MHz
- Compact, lightweight and easy to install
- Passive Intermodulation < -140 dBc @ 2x20W
- Low return loss with stable performance



This model is available in the iBwave In-Building Network Components Database - www.ibwavecomponents.com

ORDERING OPTIONS Select from the following ordering options

SELECT	MODEL NUMBER
Antenna with N-Type Female Connectors	5086100A
Antenna with 4.310 Female Connectors	5086100A-4310

ELECTRICAL SPECIFICATIONS All Bands

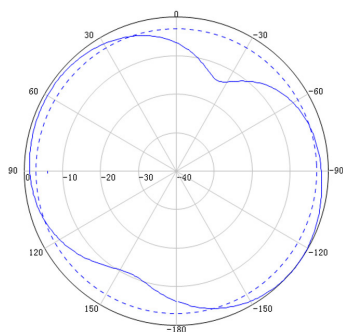
Frequency Range	380-2700 MHz		
Frequency Sub-Range	380-520 MHz	698-960 MHz	1710-2700 MHz
Polarization	Horizontal		
Gain	2.0 ± 1.0 dBi	2.2 ± 1.0 dBi	4.5 ± 1.0 dBi
Horizontal Beamwidth	360°	360°	360°
Impedance	50Ω		
VSWR	≤ 2.5	≤ 2.0	≤ 2.0
Passive Intermodulation 3rd Order for 2x20 W Carriers	N/A	≤ -140 dBc	≤ -140 dBc
Maximum Power	50W		
Connector Type	1 Port, N-Type Female or 4.3-10 Female (specify when ordering)		

MECHANICAL SPECIFICATIONS

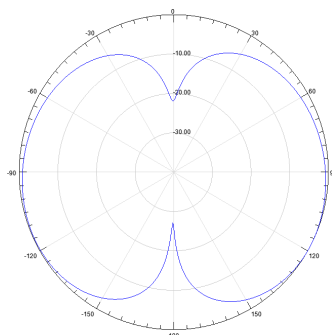
Antenna	Diameter	Ø266 mm (Ø10.5 in)
	Height	18 mm (0.7 in)
Net Weight		0.4 kg (0.9 lbs)
Operating Temperature		-55° to +60° C (-67° to +140° F)
Operational Humidity		< 95%
Radome Material		ABS
Radome Color		White, RAL 9003
Mounting Options		Fasteners included for mounting on ceiling tile and hard surfaces Not suitable for metal ceilings

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.

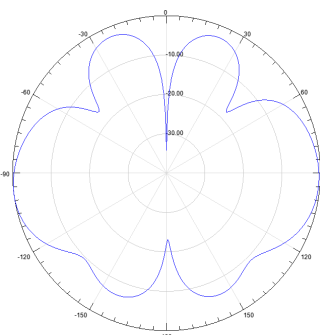
5086100A



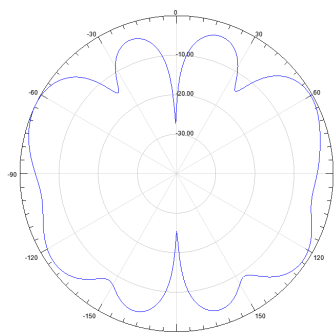
Horizontal, 400 MHz



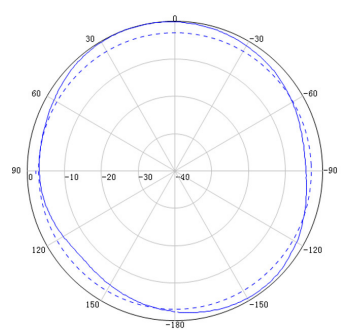
Horizontal, 800 MHz



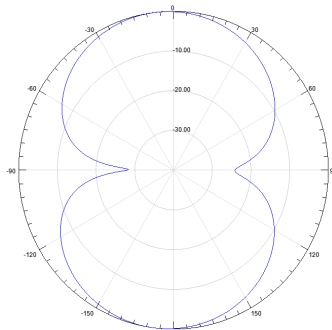
Horizontal, 1710 MHz



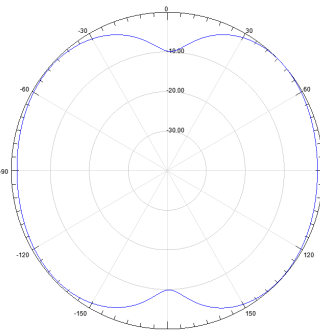
Horizontal, 2500 MHz



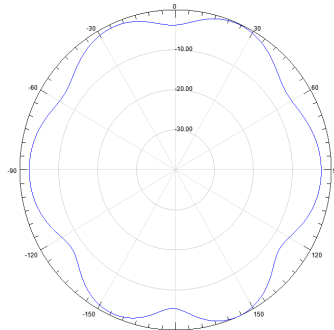
Vertical, 400 MHz



Vertical, 800 MHz



Vertical, 1710 MHz



Vertical, 2500 MHz