

5003500

Features

- Wideband directional antenna operating 698-2700 MHz
- Compact, lightweight and easy to install
- Passive Intermodulation < -153 dBc @ 2x20W
- Low return loss and high gain 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	5003500
Antenna with 4.310 Female Connectors	5003500-4310

ELECTRICAL SPECIFICATIONS All Bands

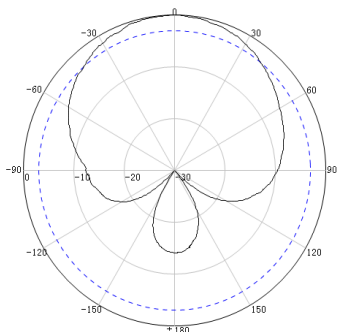
Frequency Range	698-2700 MHz			
Frequency Sub-Range	698-806 MHz	806-960 MHz	1710-2170 MHz	2170-2700 MHz
Polarization	Vertical			
Gain	5.5 ± 1.0 dBi	6.0 ± 1.0 dBi	7.0 ± 1.0 dBi	7.5 ± 1.0 dBi
Horizontal Beamwidth	85° ± 20°	85° ± 20°	62° ± 15°	60° ± 20°
Vertical Beamwidth (Typical)	75°	73°	60°	50°
Impedance	50Ω			
VSWR	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Passive Intermodulation 3rd Order for 2x20 W Carriers	-153 dBc	-153 dBc	-153 dBc	-153 dBc
Front-to-Back Ratio	> 8 dB	> 8 dB	> 12 dB	> 12 dB
Maximum Power	50W			
Connector Type	1 Port, N-Type Female or 4.3-10 Female (specify when ordering)			

MECHANICAL SPECIFICATIONS

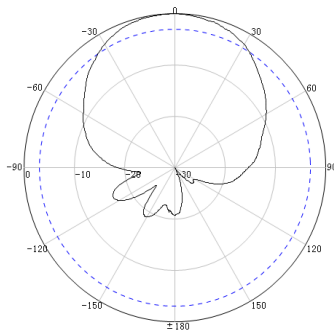
Antenna	Length	165 mm (6.5 in)
	Width	155 mm (6.1 in)
	Depth	50 mm (2.0 in)
Net Weight		0.37 kg (0.8 lbs)
Operating Temperature		-55° to +60° C (-67° to +140° F)
Operational Humidity		< 95%
Radome Material		ABS
Radome Color		White RAL9003
Mounting Options		Fasteners and screws included for wall mounting

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.

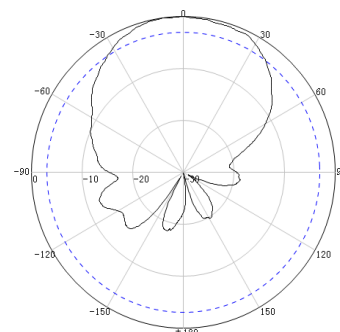
5003500



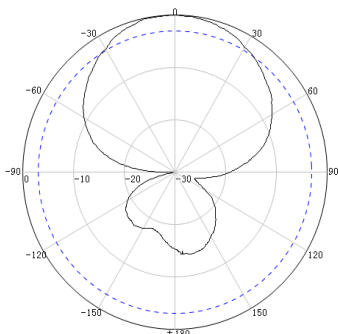
Horizontal, 900 MHz



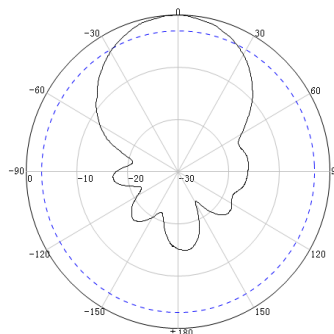
Horizontal, 1710 MHz



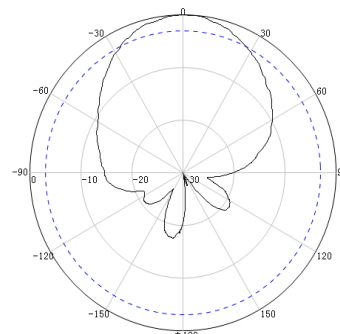
Horizontal, 2500 MHz



Vertical, 900 MHz



Vertical, 1710 MHz



Vertical, 2500 MHz