Amphenol ANTENNA SOLUTIONS

1-Port Microcell Panel Antenna

698-2700 MHz

80°-95° | VPOL | SISO

5003500AM

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

iBwave

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	5003500AM
Antenna with 4.3-10 Female Connectors	5003500AM-4310

ELECTRICAL SPECIFICATIONS All Bands

Frequency Range	698-2700 MHz	
Frequency Sub-Range	LOW BAND 698-960 MHz	MID BAND 1710-2700 MHz
Polarization	Vertical	
Gain	7.2 dBi	8.7 dBi
Horizontal Beamwidth	95°	80°
Vertical Beamwidth	60°	40°
Impedance	50Ω	
VSWR	< 1.5	< 1.5
Passive Intermodulation 3rd Order for 2x20 W Carriers	-153 dBc	-153 dBc
Front-to-Back Ratio	>10 dB	> 17 dB
Maximum Power	50W	
Connector Type	1 Port, 4.3-10 Female or N-Type Female	

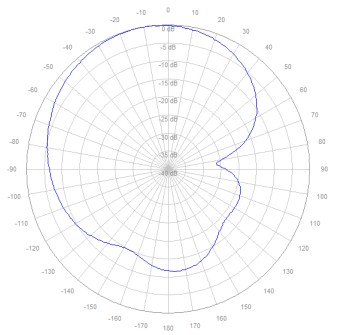
MECHANICAL SPECIFICATIONS

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
Ingress Protection		IP55
Mounting Options		Fasteners and screws included for wall mounting

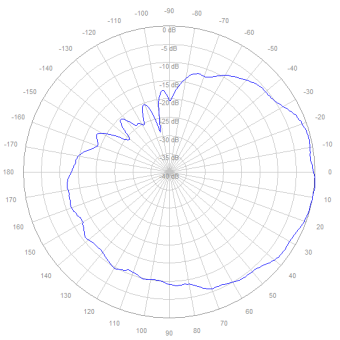
Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage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

5003500AM

LOW BAND
698-960 MHz

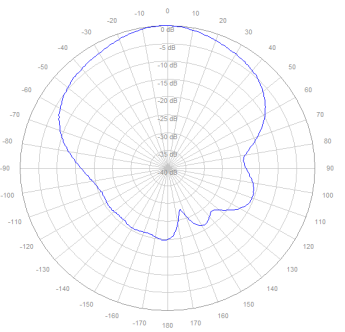


Horizontal, 807 MHz

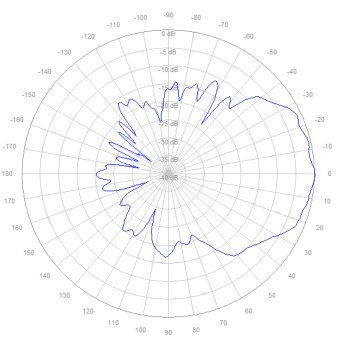


Vertical, 807 MHz

MID BAND
1710-2700 MHz



Horizontal, 2200 MHz



Vertical, 2200 MHz