

60°-80°

VPOL/HPOL

MIMO

7834450AM

Features

- Wideband directional antenna; two ports covering 698-4000 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	7834450AM
Antenna with 4.3-10 Female Connectors	7834450AM-4310

ELECTRICAL SPECIFICATIONS

All Bands

Frequency Range	698-4000 MHz		
Frequency Sub-Range	LOW BAND 698-960 MHz	MID BAND 1710-2700 MHz	CBRS 3550-3700 MHz
Polarization	Vertical and Horizontal		
Gain	6.0 dBi	8.0 dBi	4.0 dBi
Horizontal Beamwidth	80°	65°	60°
Vertical Beamwidth	47°	30°	40°
Impedance	50Ω		
Isolation	> 15 dB	> 20 dB	> 25 dB
VSWR	≤ 2.0	≤ 1.8	≤ 1.8
Passive Intermodulation 3rd Order for 2x20 W Carriers	≤ -153 dBc		
Front-to-Back Ratio	≥ 8 dB	≥ 19 dB	≥ 5 dB
Maximum Power	50W		
Connector Type	2 Ports, 4.3-10 Female or N-Type Female		

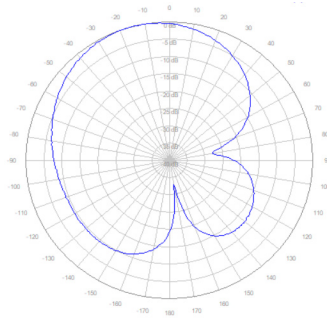
MECHANICAL SPECIFICATIONS

Antenna	Length	406 mm (16.0 in)
	Width	180 mm (7.1 in)
	Depth	62 mm (2.4 in)
Net Weight	1.5 kg (3.3 lbs)	
Operating Temperature	-55° to +60° C (-67° to +140° F)	
Radome Material	PVC	
Radome Color	White, RAL 9003	
Ingress Protection	IP55	
Operational Humidity	< 95%	
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.

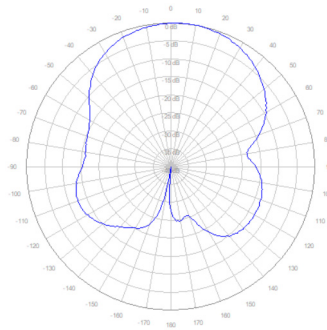
7834450AM

LOW BAND
698-960 MHz



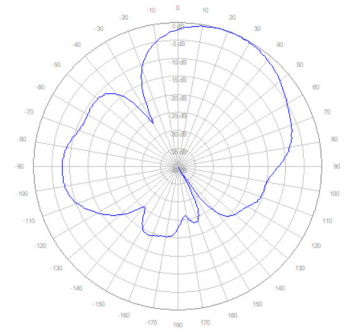
Horizontal, 790 MHz

MID BAND
1710-2700 MHz

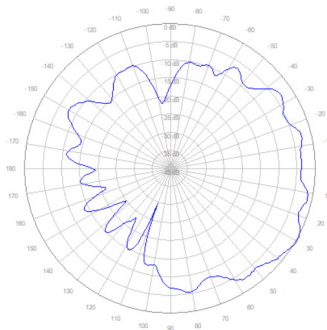


Horizontal, 2200 MHz

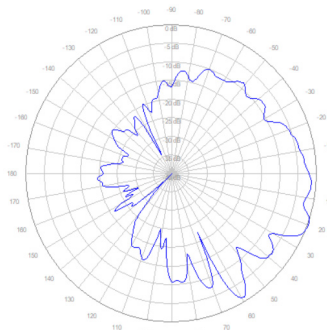
CBRS
3550-3700 MHz



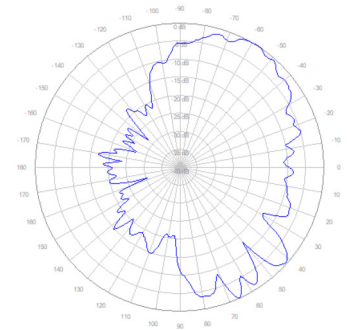
Horizontal, 3620 MHz



Vertical, 790 MHz



Vertical, 2200 MHz



Vertical, 3620 MHz

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