

## 7834450

### 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](http://www.ibwavecomponents.com)

### ORDERING OPTIONS Select from the following ordering options

SELECT	MODEL NUMBER
Antenna with N-Type Female Connectors	7834450
Antenna with 4.310 Female Connectors	7834450-4310

### ELECTRICAL SPECIFICATIONS All Bands

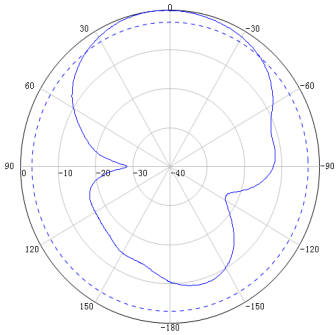
Frequency Range	698-4000 MHz				
Frequency Sub-Range	698-806 MHz	806-960 MHz	1710-2170 MHz	2200-2700 MHz	3400-4000 MHz
Polarization	Vertical and Horizontal				
Gain	5.0 ± 0.5 dBi	6.0 ± 0.5 dBi	7.0 ± 0.5 dBi	7.5 ± 0.5 dBi	5.5 ± 0.5 dBi
Horizontal Beamwidth	80°	80°	65°	60°	55°
Vertical Beamwidth (Typical)	73°	70°	60°	60°	30°
Impedance	50Ω				
VSWR	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0
Passive Intermodulation 3rd Order for 2x20 W Carriers	-153 dBc	-153 dBc	-153 dBc	-153 dBc	-153 dBc
Maximum Power	50W				
Connector Type	2 Ports, N-Type Female or 4.3-10 Female (specify when ordering)				

### MECHANICAL SPECIFICATIONS

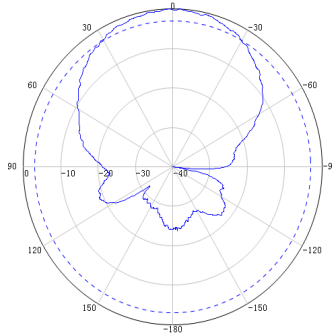
Antenna	Length	400 mm (15.7 in)
	Width	180 mm (7.1 in)
	Depth	62 mm (2.4 in)
Net Weight	1.2 kg (2.6 lbs)	
Operating Temperature	-55° to +60° C (-67° to +140° F)	
Operational Humidity	< 95%	
Radome Material	PVC	
Radome Color	White	
Mounting Options	Fasteners and screws included for wall mounting	

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.

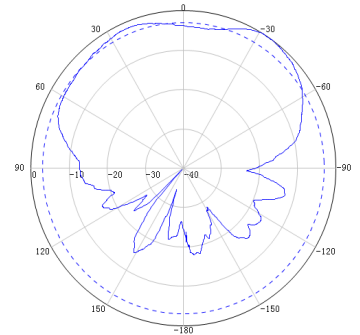
7834450



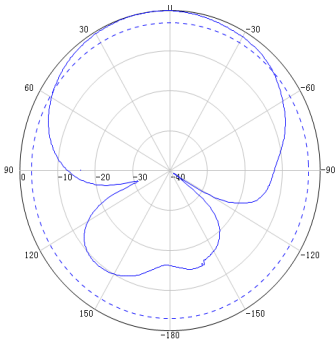
Horizontal, 900 MHz



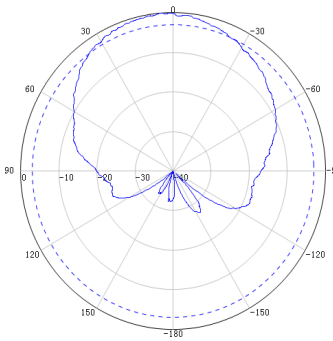
Horizontal, 1710 MHz



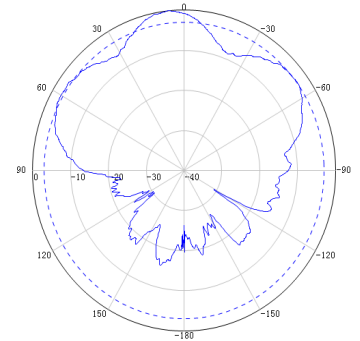
Horizontal, 3500 MHz



Vertical, 900 MHz



Vertical, 1710 MHz



Vertical, 3500 MHz

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.