



7834450

Features

- Wideband directional antenna; two ports covering 698-4200 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	7834450
Antenna with 4.310 Female Connectors	7834450-4310

ELECTRICAL SPECIFICATIONS All Bands

Frequency Range		698-4200 MHz				
Frequency Sub-Range		698-806 MHz	806-960 MHz	1710-2170 MHz	2200-2700 MHz	3400-4200 MHz
Polarization		Vertical and Horizontal				
Gain	Vertically Polarized	6.6 ± 1.3 dBi	7.6 ± 0.4 dBi	9.1 ± 0.7 dBi	8.4 ± 0.9 dBi	6.6 ± 1.4 dBi
	Horizontally Polarized	5.4 ± 1.4 dBi	7.7 ± 0.5 dBi	8.4 ± 1.0 dBi	8.9 ± 0.8 dBi	5.6 ± 0.7 dBi
Azimuth Beamwidth	Vertically Polarized	78.3 ± 13.9°	83.6° ± 12.3°	67.0° ± 7.2°	73.0° ± 21.7°	42.0° ± 56.1°
	Horizontally Polarized	91.2° ± 77.1°	74.5° ± 10.8°	65.0° ± 18.3°	45.0° ± 14.5°	46.8° ± 10.7°
Elevation Beamwidth	Vertically Polarized	29.2° ± 12.7°	70.5° ± 15.5°	19.4° ± 20.5°	44.5° ± 17.9°	20.9° ± 17.8°
	Horizontally Polarized	37.1° ± 10.7°	60.5° ± 17.7°	49.0° ± 22.8°	45.2° ± 21.4°	8.4° ± 1.4°
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	404 mm (15.9 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





2-Port Microcell Panel Antenna

698-4200 MHz

44°-85°

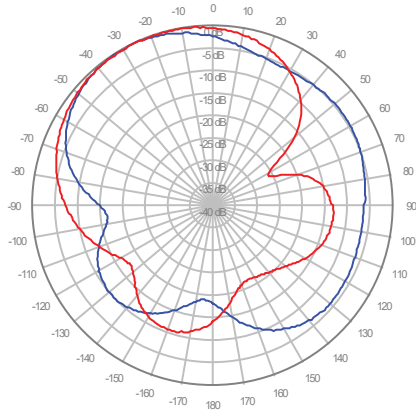
VPOL/HPOL

MIMO

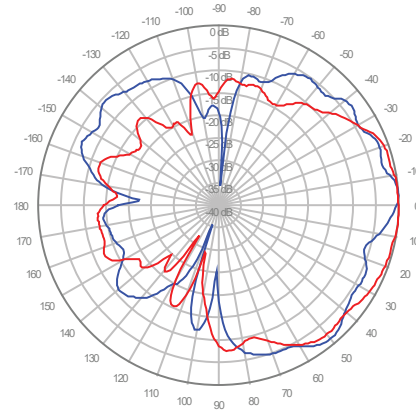
7834450

750 MHz ———
850 MHz ———

Low Band - Vertically Polarized

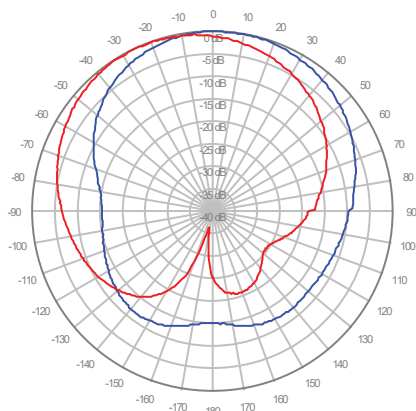


Azimuth

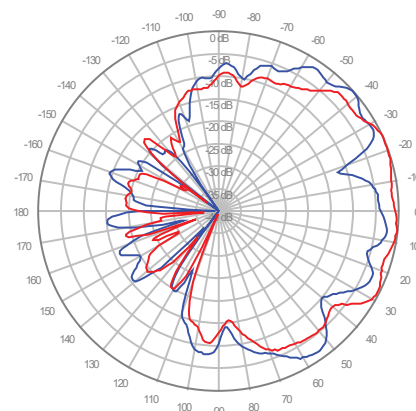


Elevation

Low Band - Horizontally Polarized



Azimuth



Elevation





2-Port Microcell Panel Antenna

698-4200 MHz

44°-85°

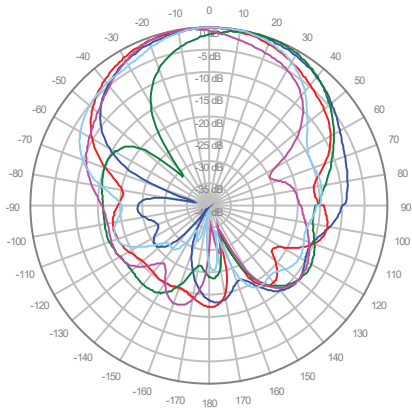
VPOL/HPOL

MIMO

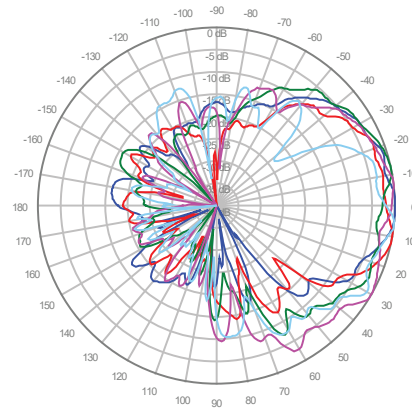
7834450

- 1800 MHz
- 1900 MHz
- 2100 MHz
- 2300 MHz
- 2600 MHz

Mid Band - Vertically Polarized

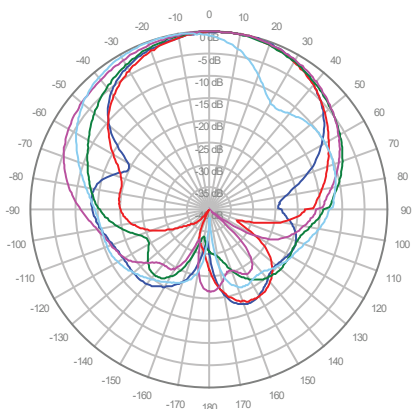


Azimuth

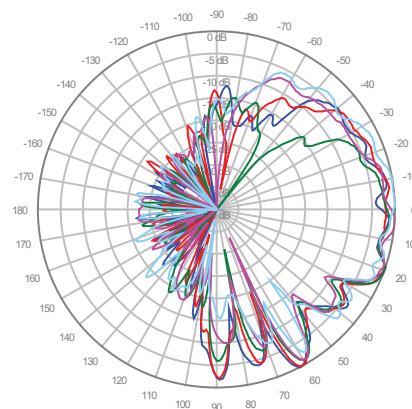


Elevation

Mid Band - Horizontally Polarized



Azimuth



Elevation





2-Port Microcell Panel Antenna

698-4200 MHz

44°-85°

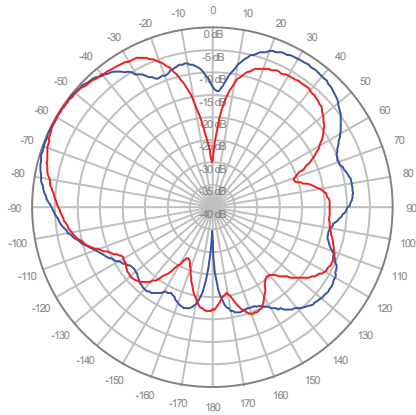
VPOL/HPOL

MIMO

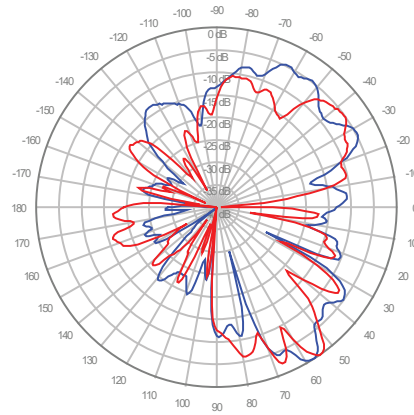
7834450

3600 MHz ————
4000 MHz ————

High Band - Vertically Polarized

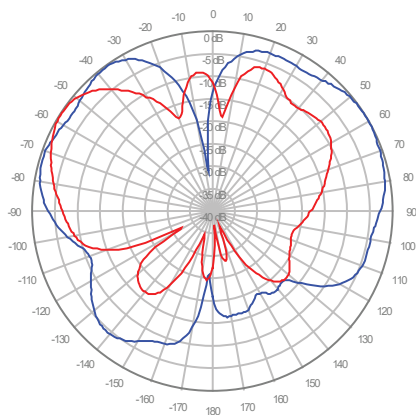


Azimuth

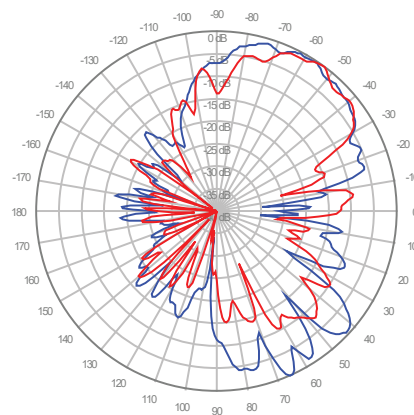


Elevation

High Band - Horizontally Polarized



Azimuth



Elevation

