

LOW PROFILE MIMO PANEL ANTENNA ARRAY

- 15dBi / 16.5dBi / 18dBi

700 MHz Antenna Spec Sheet



The Ubiik Mimomax Low Profile MIMO Panel Antenna Array is a high-gain, rugged, compact, wide-band antenna suitable for radio sites that encounter ice, snow and strong wind loading.

Like all Ubiik Mimomax MIMO antennas, the Low Profile Panel Antenna provides independent horizontal and vertical polarizations making it suitable for a wide range of radio applications including MIMO. This pattern- type diversity solution provides increased signal quality and path resilience in very challenging environments.

The Low Profile Panel Antenna comes with fully enclosed radome making it a good fit for harsh weather conditions.

With a typical 15dBi, 16.5dBi, or 18dBi antenna gain and a maximum input power of 200W, the Ubiik Mimomax Low Profile MIMO Panel Antenna Array is a highly versatile antenna. It is ideal for long path remote radios and Point-to-Point links.

LOW PROFILE MIMO PANEL ANTENNA ARRAY SPECIFICATIONS

Electrical Specifications				
	2-Panel Vertical	2-Panel Horizontal	3-Panel Horizontal	4-Panel
Frequency Range	757-788MHz			
VSWR	<= 1.5:1 Typical			
Polarization	Horizontal and Vertical with separate feeds			
Front-to-Back Ratio	≥ 20dB			
Rated Power Input	200W			
Impedance	50Ω			
Lightning Protection	Direct Ground			
Antenna Gain	15dBi Typical	15dBi Typical	16.5dBi Typical	18dBi Typical
Beamwidth				
Azimuth	56° (H) 63° (V)	30° (H) 30° (V)	18° (H) 18° (V)	22° (H) 22° (V)
Elevation	30° (H) 30° (V)	60° (H) 60° (V)	66° (H) 60° (V)	40° (H) 42° (V)

Mechanical Specifications				
	2-Panel Vertical	2-Panel Horizontal	3-Panel Horizontal	4-Panel
Connector Type	2 x N-Female			
Material and Structure	Robust UV-ABS radome with aluminium backplate and rugged stainless-steel mounting			
Max Wind Gust	124 mi/h (200 km/h)			
Speed Wind Loading	146lbf @ 100Mi/h (650N @ 160k/h)	146lbf @ 100Mi/h (650N @ 160k/h)	219lbf @ 100Mi/h (975N @ 160k/h)	292lbf @ 100Mi/h 1300N @ 160k/h)
Weight	13 lbs (6 kg)	20 lbs (9 kg)	31 lbs (14 kg)	42 lbs (19 kg)
Assembled Array Dimensions (HxWxT)	18x37x6 inches (450x930x150mm)	18X37x6 inches (450x950x150mm)	18X61x6 inches (450x1550x150mm)	37x51x6 inches (930x1450x150mm)
Mounting (each panel)	2 clamps for attachment to 38-61mm pole	2 clamps for attachment to 38-61mm pole	2 clamps for attachment to 38-61mm pole	4 clamps for attachment to 38-61mm pole

Product Orders	
Product Code	Description
ANT-757-788-015-PD01	700MHz Dual Vertical Stacked MIMO Panel antennas, 15dBi, HD Mtg
ANT-757-788-015-PD02	700MHz Dual Horizontal Stacked MIMO Panel antennas, 15dBi, HD Mtg
ANT-757-788-016-PD03	700MHz Tri Stacked MIMO Panel antennas, 16.5dBi, HD Mtg
ANT-757-788-018-PD04	700MHz Quad Stacked MIMO Panel antennas, 18dBi, HD Mtg

Important: Specifications are subject to change without prior notice

LOW PROFILE MIMO PANEL ANTENNA ARRAY PICTURES



2-Panel Horizontal, 15dBi



2-Panel Vertical, 15dBi



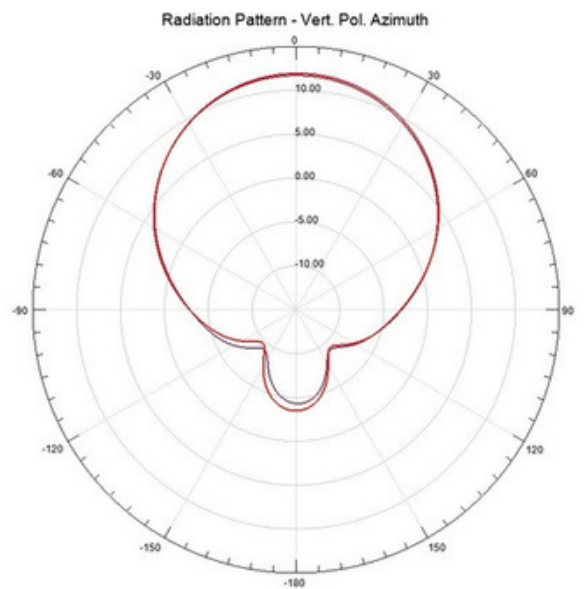
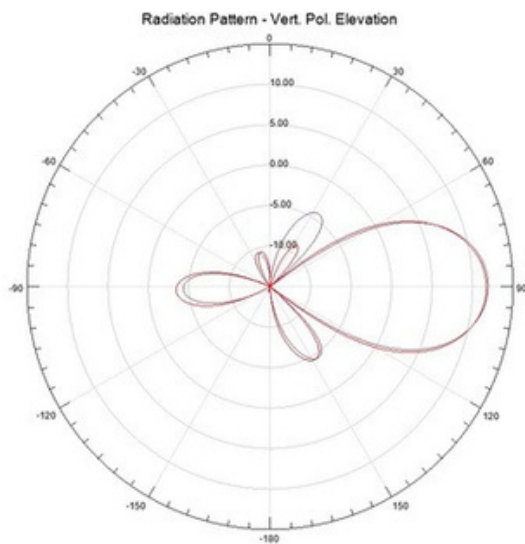
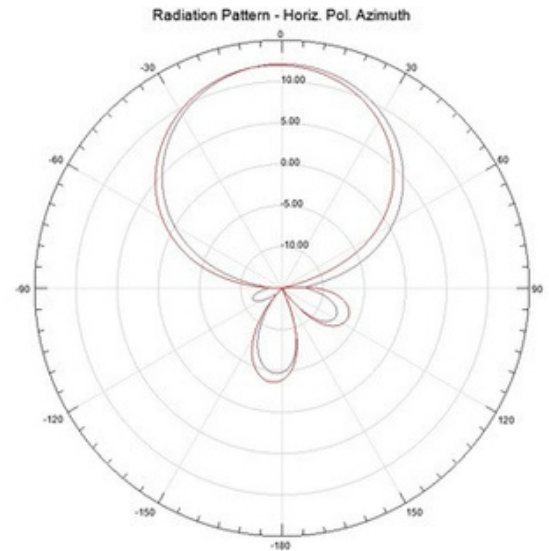
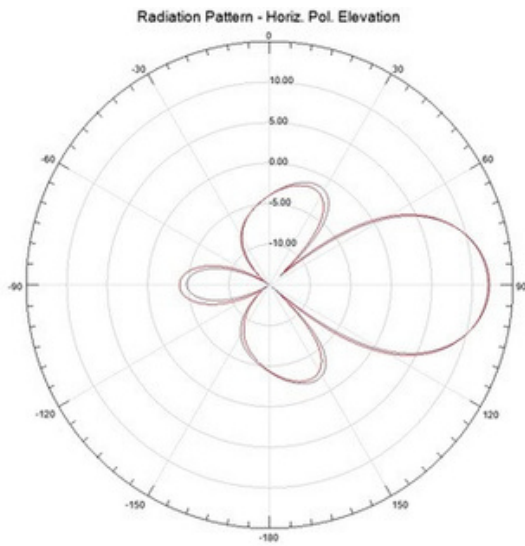
3-Panel Horizontal, 16.5dBi



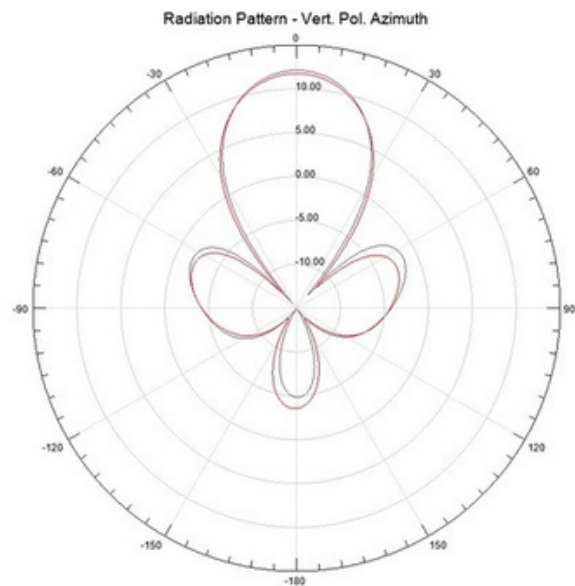
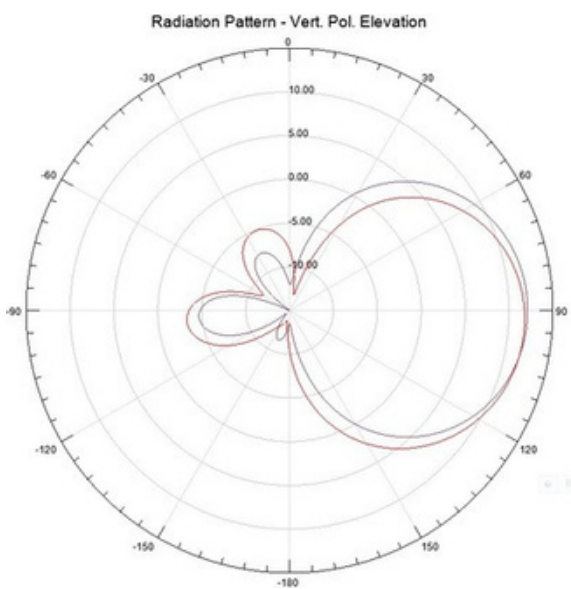
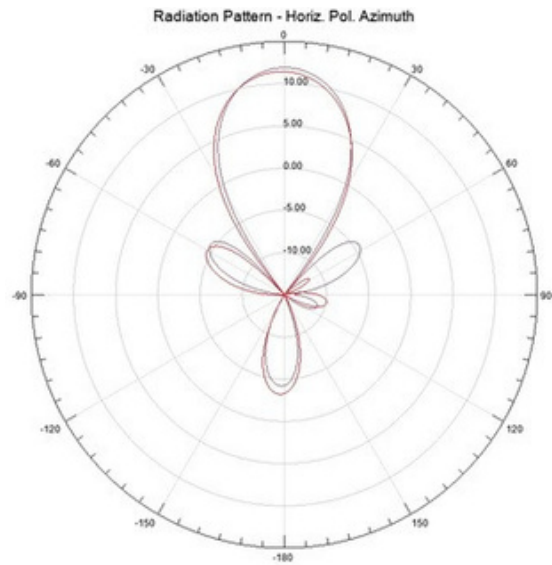
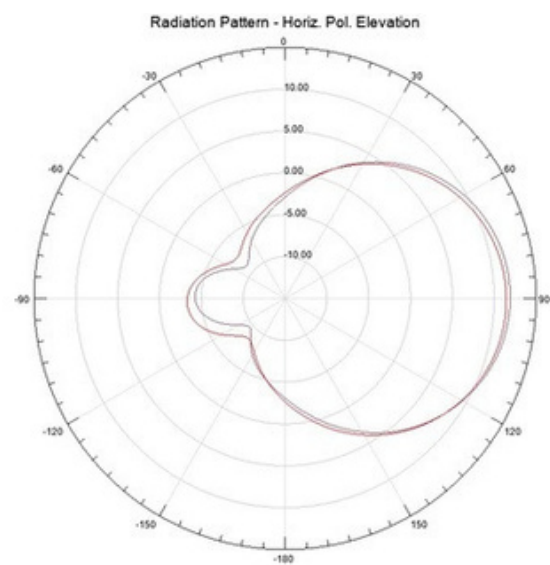
4-Panel, 18dBi

LOW PROFILE MIMO PANEL ANTENNA ARRAY RADIATION PATTERNS

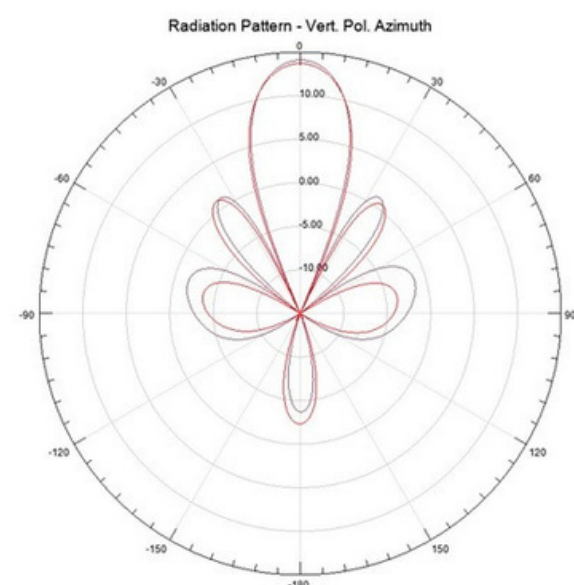
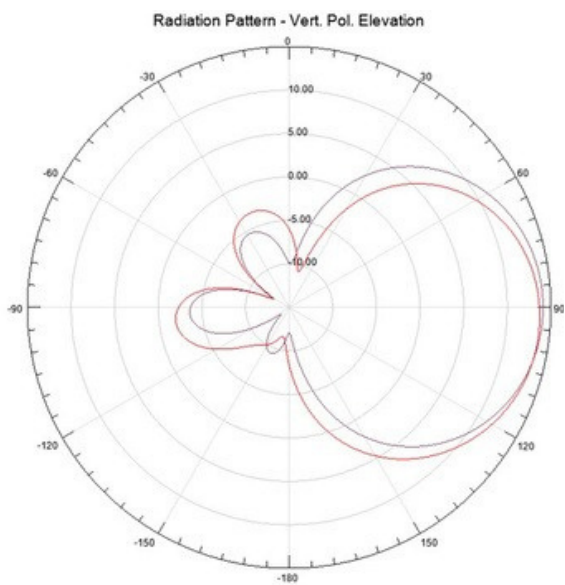
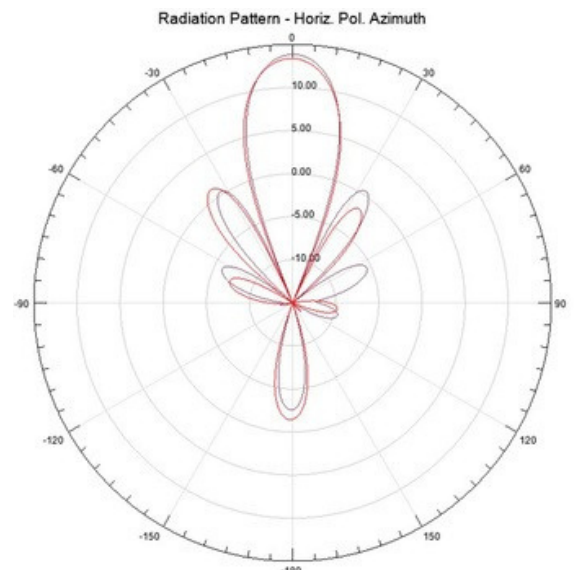
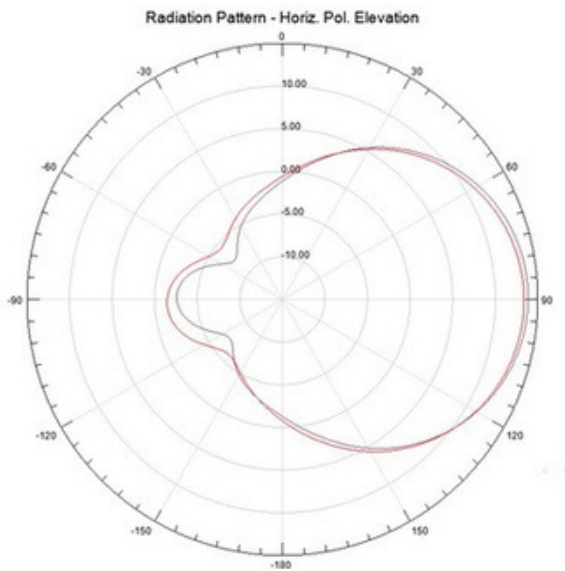
2-Panel Vertically Stacked Array



2-Panel Horizontally Stacked Array



3-Panel Horizontally Stacked Array



LOW PROFILE MIMO PANEL ANTENNA ARRAY RADIATION PATTERNS

4-Panel Array

