Altelix 4-Port H/V 65° Sector Antenna for Mimosa A5c

- ***Wide Band Coverage – 4900-6500 MHz***
- ***Dual Polarized, Horizontal / Vertical Polarization***
- ***Designed for use with Mimosa A5c***
- ***Includes radio mounting bracket and (4) cables***
- ***4x4 MIMO operation***

Mimosa A5c Not Included
Shown for Reference

Model: AS6G17B65M4-AC5

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CONNECTIVITY EVOLVED™

Overview

The Altelix AS6G17B65M4-A5C is a Plug-and-Play 4-Port 65 Degree Dual Polarized Horizontal/Vertical Sector Antenna for the Mimosa A5c. This antenna provides 4 separate ports, two horizontally polarized and two vertically polarized, and all ports support 4.9 GHz - 6.5 GHz operation.

Designed for use with the Mimosa A5c

This antenna includes a mounting bracket for attaching a Mimosa A5c to the rear of the antenna, minimizing the required tower space. The kit also includes four low loss 240 series N Male to N Male cables for connecting the A5c to the antenna. When used with the Mimosa A5c an additional 3 dBi of beam forming gain can be achieved.

Features:

- Full Band Coverage - 4900 MHz to 6500 MHz
- Plug-and-Play Installation with Mimosa A5c
- When used with the Mimosa A5c an Additional 3 dBi of Beam Forming Gain can be Achieved.
- Includes (4) N Male to N Male Right Angle 240 Series Cables and A5c Mounting Bracket
- Vertical and Horizontal Polarization (Polarization Diversity)
- 65 Degree Beamwidth
- All-Weather Outdoor Operation
- Heavy Duty Tilt Mounting Brackets

Antenna Includes:

- (1) Altelix 5 GHz 65 Degree 4-Port MIMO Sector Antenna
- (1) Radio Bracket for Mounting Mimosa A5c
- (4) N-Male to N-Male R/A Low Loss 240-Series Cables

Tilt Bracket Detail

Altelix AS6G17B65M4-A5C

Electrical Specifications

Frequency Band	4900 MHz	5200 MHz	5500 MHz	6200 MHz	6400 MHz	6500 MHz
Gain	16.5±0.5dBi	16.8±0.5dBi	17.0±0.5dBi	16.5±0.5dBi	16.5±0.5dBi	16.5±0.5dBi
Front to Back Ratio	25dB	27dB	28dB	26dB	26dB	24dB
VSWR	≤2.0	≤1.8	≤1.7	≤1.7	≤1.8	≤1.85
Return Loss	9.5dB	11dB	12dB	12dB	11dB	10.5dB
Port to Port Isolation	24dB	26dB	28dB	26dB	26dB	24dB
Polarization	Vertical / Horizontal					
Horizontal Beamwidth (3dB)	68±5°					
Horizontal Squint	2°					
Vertical Beamwidth (3dB)	8.5±2°					
Impedance	50 Ohm					
Maximum Power	100W					
Lightning Protection	DC Ground					

Mechanical Specifications

Connectors	(4) Type N Female	
Connector Location	Rear of Radome	
Radome Material	UV Resistant PVC	
Operating Temperature	-40°F to +140°F (-40°C to +60°C)	
Maximum Wind Velocity	130mph (210Km/h)	
Wind Loading Data		
Wind Speed (MPH)	100	120
Loading	77 lbs.	122 lbs.

Bracket Specifications

Material Type	Galvanized Steel
Mechanical Tilt	0-15 Degrees
Mounting Type	Pole Mount
Mounting Pole Diameter	1.6 – 2.6 inch (40 – 66 mm)

Dimensions

Length	19.6 inch (498.4mm)
Width	11.2 inch (285.7mm)
Height	3.6 inch (92mm)
Weight	5.5 lbs. (2.5kg)

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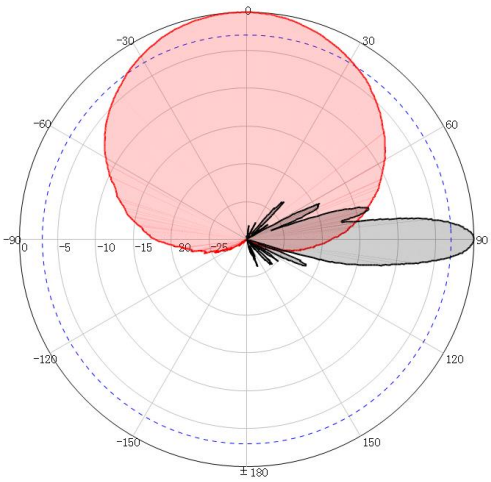
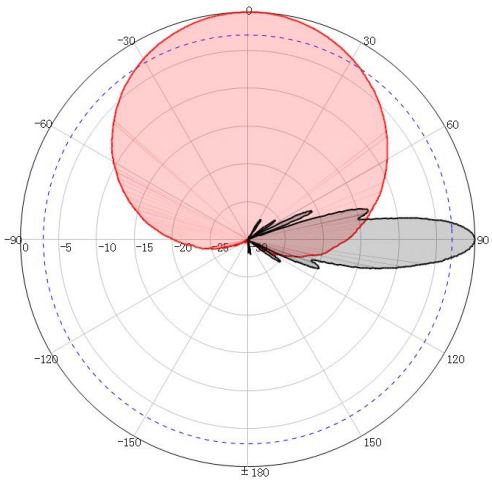
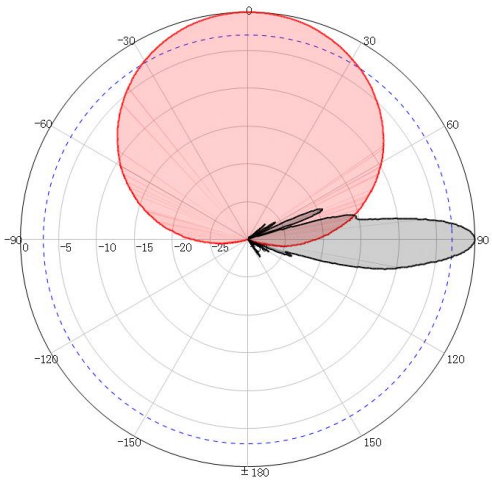
Antenna Patterns – Horizontal Polarization



4900 MHz

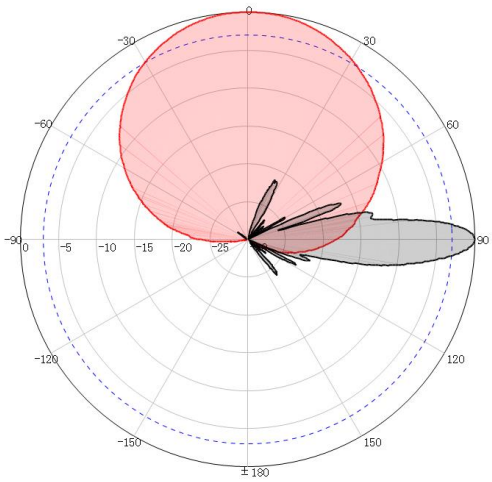


5200 MHz

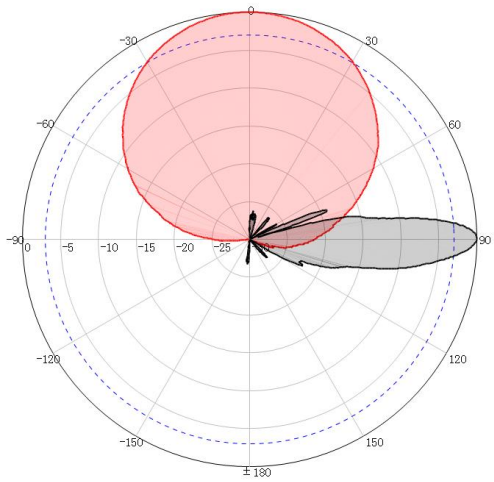


5500 MHz

H-Plane
V-Plane

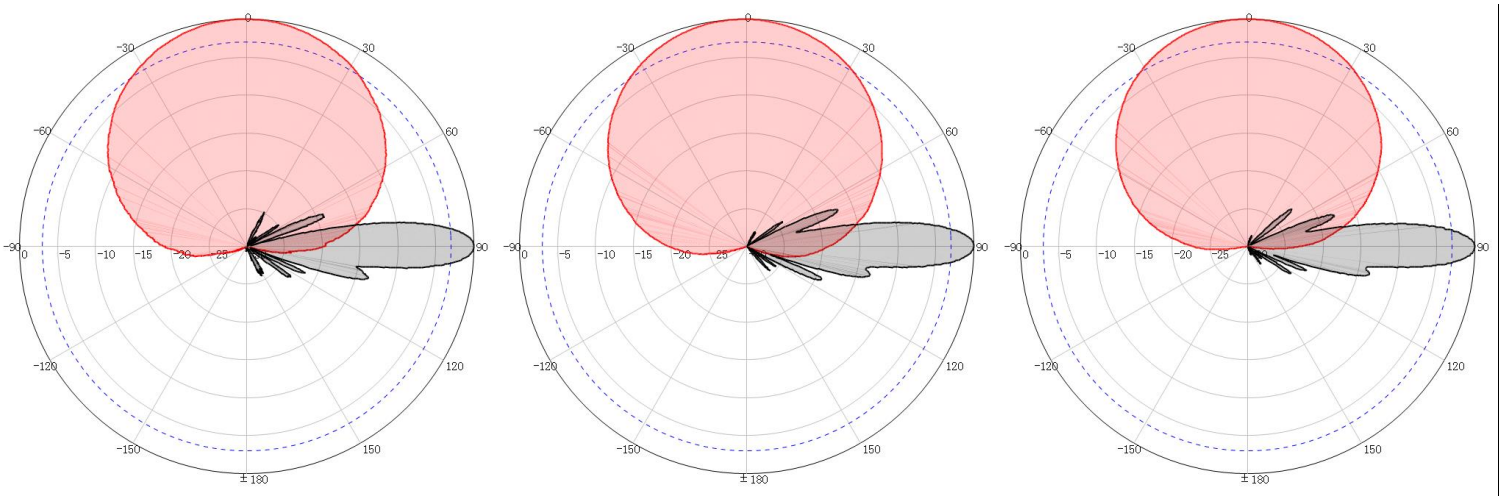


6200 MHz



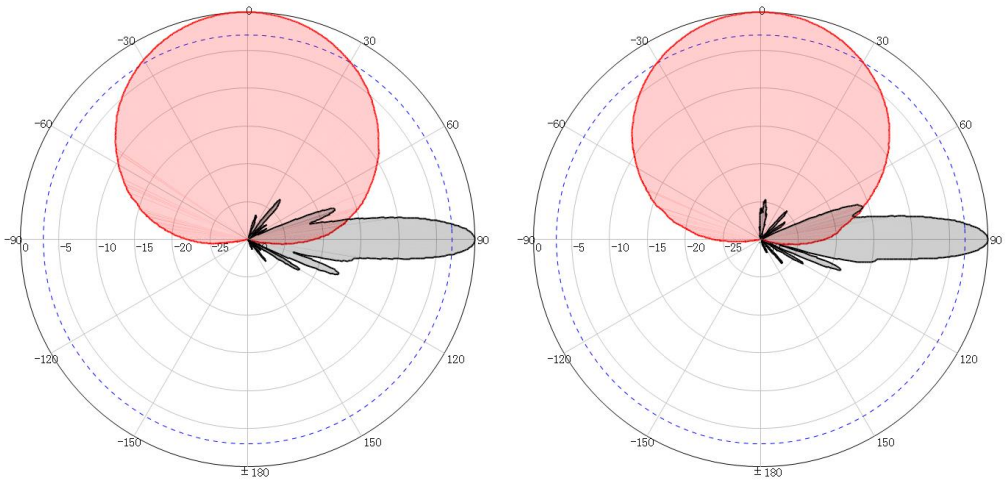
6400 MHz

Antenna Patterns – Vertical Polarization



4900 MHz | 5200 MHz | 5500 MHz

H-Plane
V-Plane



6200 MHz | 6400 MHz