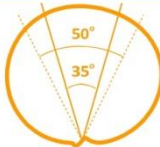


# MBAP-PANFO-2M1403335

## 2.4GHz 14dBi Dual Polarization MIMO Patch Antenna Assembled IP69 Top case (without Wireless Motherboard)

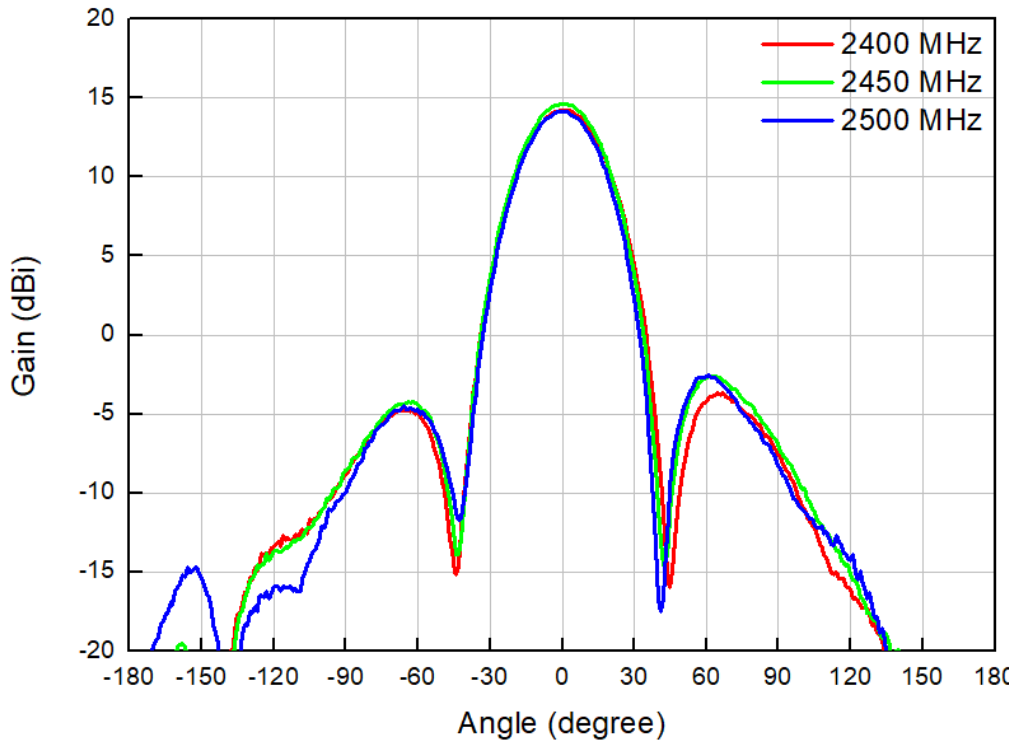


| Electrical Specification   |  |
|--|--|
| Frequency  | 2400 - 2500MHz   |
| Antenna Gain   | 14dBi +/-0.5dBi  |
| VSWR   | 2.0 : 1 (Max.)   |
| Polarizations  | 90° Dual Polarization /Vert.&Hor.  |
| Isolation  | 20 dB Typical  |
| HPBW/H-Plane -3dB V-Plane  | 33°+- 2°   |
| HPBW/V-Plane -3dB H-Plane  | 35°+- 2°   |
| Front Back Ratio   | 25dB   |
| Power handing  | 5W   |
| Input Impedance  | 50 Ohm   |
| Connectors   | SMA / N Plug x 2   |
| Cable Type/Length/Cable Loss   | RG233, 100cm   |
| Anti-lightning induction protection  | DC Grounding   |
| Mechanical Specification & Environment Characteristics   |  |
| Dimension  | 266 x 266 x 110 mm   |
| Assembly PCBA Space  | 180 x 140 x Up-50mm /<br>Down-25mm   |
| Weight   | 1000g + 1500g = 2500g  |
| Radome Color   | White  |
| Radome Material  | PC, UV resistant, UL746C   |
| Under Cover Shell ##   | Aluminum Die-casting   |
| Temperature  | -40oC to 80 oC   |
| Humidity   | 95% @ 55 oC  |
| Survival Wind Speed / Scale  | 250Km/hr & 17Beaufort scale  |
| Waterproof   | IP69   |
| Shell identification method  | The orange text is marked on the top and bottom of the shell   |
| Universal Stainless Mounting Kit*<br>P/N:IOP-UHMK-VESA75-1<br>L x W x H : 125 x 125 x 77mm<br>Weight : 0.9Kg   | <ul style="list-style-type: none"> <li>■ Wall Mount / Car Mount</li> <li>■ Pole Mount (1" ~ 2.5")</li> <li>■ Lamp Post (Belt Type)</li> <li>■ Electric Pole (Belt Type)</li> </ul> |
| * Support International VESA Standard Installation Size :75 X 75 mm<br>* Support General ODU Installation Size : 60 X 60 mm ~ 75 X 75mm<br>* Support Triangle Fixing Point Fixed Way<br>* Support Screw-tightening Method<br>* Support + -40° Antenna Angle Adjustment Function  |  |
| <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <b>2.4GHz</b><br/>14dBi         </div> <div style="text-align: center;">  </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;">           H-Plane (3dB) 33°<br/>           H-Plane (6dB) 45°<br/>           V-Plane (3dB) 35°<br/>           V-Plane (6dB) 50°         </div> </div> |  |

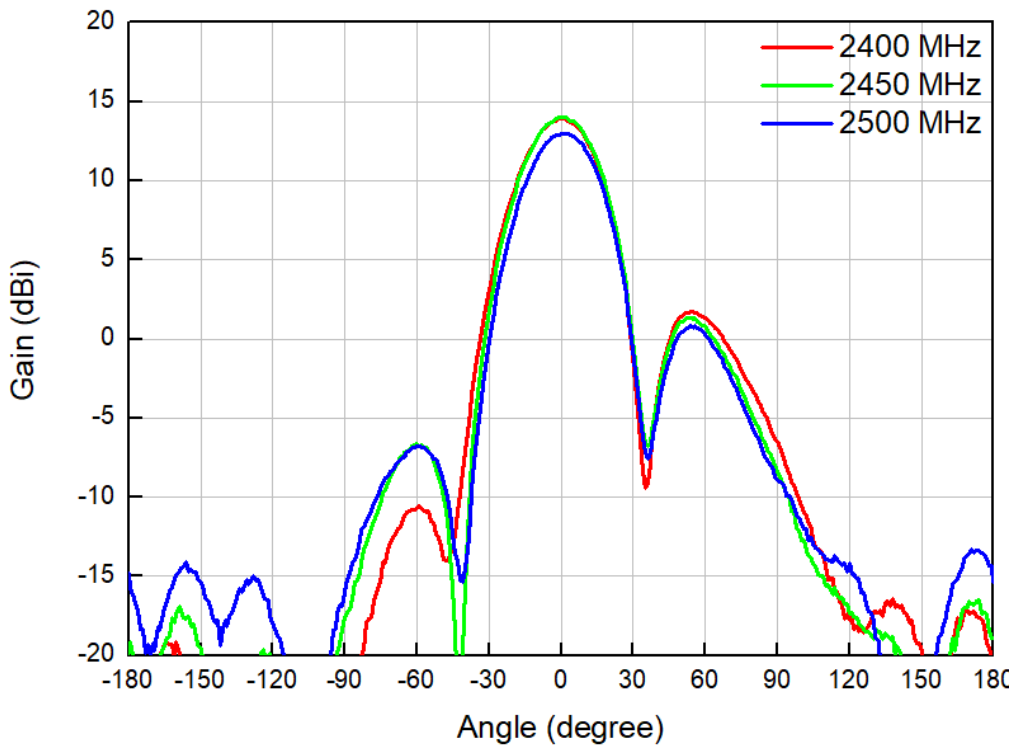
## ■ Radiation Pattern

### H-Polar

#### ■ H-Plane +0° Horizontal +0° Polarizations

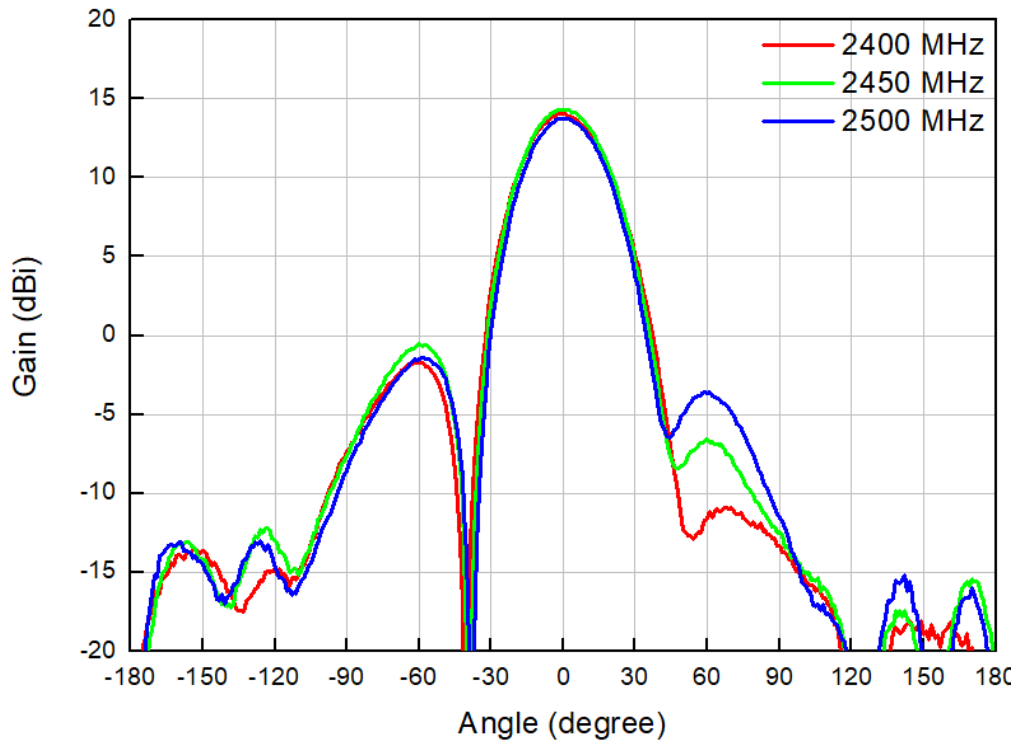


#### ■ H-Plane 90° Horizontal 90° Polarizations



## V-Polar

### ■ V-Plane +0° Vertical +0°Polarization



### ■ V-Plane 90° Vertical 90°Polarization

