



## TRIPLE BAND PTP/CLIENT ANTENNA

# WiBOX PA MMB0727-8X Low PIM, 2x 4.3/10 male

**WiBOX PA MMB0727-8X Low PIM, 2x 4.3/10 male** is MIMO 2x2 antenna, working in X-Pol polarization predicted for **4G LTE** mainly, but is compatible with **3G** and **2G** as well. The antenna improves the signal in rural/suburban and locations where the mobile signal is weak. Due to very wide working frequency range, the antenna is universal client side station for **LTE** bands like **LTE700/800/1800/1900/2100/2300/2600** (including new 800MHz frequency using for **LTE**). Due to **small dimensions, aesthetic look and highest quality**, the system can be installed in any location, even for the most demanding customers. **WiBOX PA MMB0727-8X Low PIM** can operate indoor and outdoor (**IP67**). The antenna is integrated with the top quality **WiBOX Medium**. It comes with **2x cable with 4.3/10 male** connector.

ROHS



### Electrical specification

|                               |   |
|-------------------------------|---|
| Frequency                     | <ul style="list-style-type: none"> <li>☒ 0.694 - 0.96 GHz</li> <li>☒ 1.7 - 2.2 GHz</li> <li>☒ 2.2 - 2.7 GHz</li> </ul>                            |
| Gain                          | <ul style="list-style-type: none"> <li>☒ 7 dBi ±1</li> <li>☒ 7 dBi ±1</li> <li>☒ 7 dBi ±1</li> </ul>  |
| VSWR                          | <ul style="list-style-type: none"> <li>☒ &lt;1.60, max &lt; 2.00</li> <li>☒ &lt;1.70, max &lt; 2.00</li> <li>☒ &lt;1.70, max &lt; 2.00</li> </ul> |
| Beamwidth                     | <ul style="list-style-type: none"> <li>☒ 70°/70° +/- 15°</li> <li>☒ 70°/70° +/- 15°</li> <li>☒ 70°/70° +/- 15°</li> </ul>                         |
| Polarization                  | <ul style="list-style-type: none"> <li>☒ X</li> <li>☒ X</li> <li>☒ X</li> </ul>   |
| Cross-Polar Isolation         |   |
| Front-to-Back                 | <ul style="list-style-type: none"> <li>☒ &gt; 10 dB</li> <li>☒ &gt; 10 dB</li> <li>☒ &gt; 10 dB</li> </ul>  |
| Separation between Connectors | <ul style="list-style-type: none"> <li>☒ &gt; 20 dB</li> <li>☒ &gt; 20 dB</li> <li>☒ &gt; 20 dB</li> </ul>  |
| Impedance                     | 50 Ω  |
| Max Input Power               | 50 W  |
| Lighting Protection           | No  |
| DC Ground                     | Yes   |

### Mechanic specification

|                       |  |
|-----------------------|--|
| Dimensions            | 27.2 x 9.6 x 27.6 cm<br>10.71 x 3.78 x 10.87 inch  |
| Weight                | 2.5 kg   |
| Connector             | 2x4.3/10 male                                      |
| Material              | ABS  |
| Waterproof level      | IP67   |
| Operating temperature | from from -40°C to 80°C to °C<br>from 32°F to 32°F |
| Wind resistance       | km/h   |

### Mounting Kit

|                       |   |
|-----------------------|---|
| Dimensions            | 9.9 x 10.5 x 14.8 cm<br>3.9 x 4.13 x 5.83 inch          |
| Regulation Range      | +/- 30°   |
| Weight                | 0.87 kg   |
| Mast Dimensions Range | 25 - 65mm   |
| Material              | Polyamide with fiberglass +<br>galvanized steel U-Bolts |

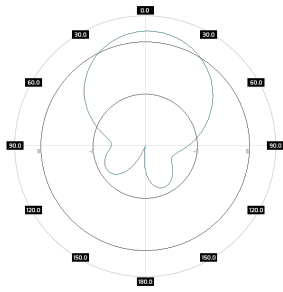
### Features

- › Gain for the frequency of 694 - 960 MHz  
2x 7 dBi ±1
- › Polarization X for the frequency of 694 - 960 MHz
- › Gain for the frequency of 1700 - 2200 MHz  
2x 7 dBi ±1
- › Polarization X for the frequency of 1700 - 2200 MHz
- › Gain for the frequency of 2200 - 2700 MHz  
2x 7 dBi ±1
- › Polarization X for the frequency of 2200 - 2700 MHz
- › 2 x Connector 4.3/10 male
- › Big, ergonomic and voluminous **WiBOX Medium + 2 cables** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiBOX Medium + 2 cables**
- › Designed and resistant for any weather conditions
- › Grounding system protecting against lightning - DC Ground
- › 36 Warranty Months

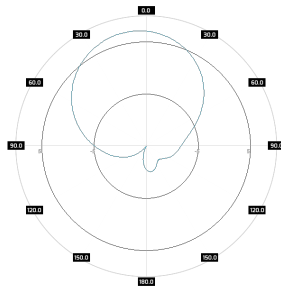
### Systems

- › LTE band - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 2305-2360
- › WiMAX - 2.3 GHz, 2.5 GHz, 700 MHz
- › 3G - 2100 MHz, 850 MHz, 900 MHz
- › GSM - 1800 MHz, 1900 MHz, 850 MHz
- › RFID - 2400 - 2483 MHz, 865 - 868 MHz, 902 - 928 MHz
- › ISM - 2400-2483 MHz, 868-870 MHz
- › WLAN - 2.4 GHz
- › Bluetooth - 2400-2483 MHz

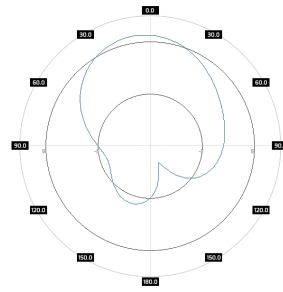
### Plots



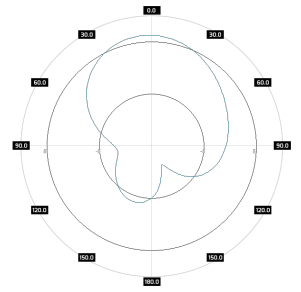
PA MMB0727-8X  
800Mhz, port 1, azimuth



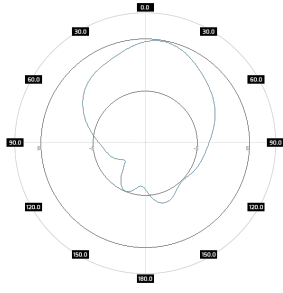
PA MMB0727-8X  
800Mhz, port 1, elev.



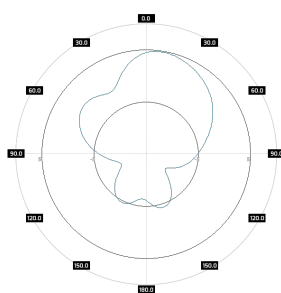
PA MMB0727-8X  
800Mhz, port 2, azimuth



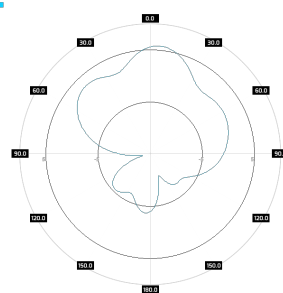
PA MMB0727-8X  
800Mhz, port 2, elev.



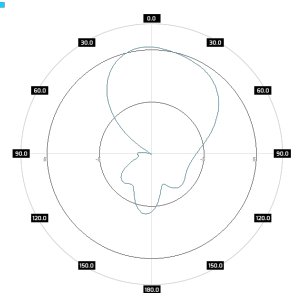
PA MMB0727-8X  
1800Mhz, port 1, azimuth



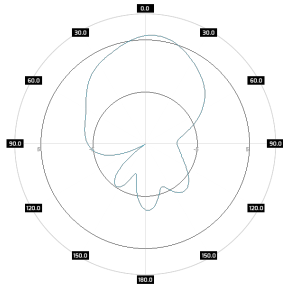
PA MMB0727-8X  
1800Mhz, port 1, elev.



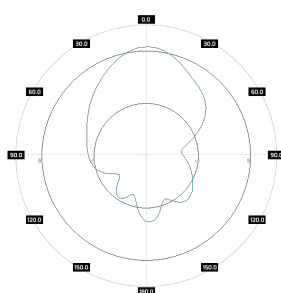
PA MMB0727-8X  
1800Mhz, port 2, azimuth



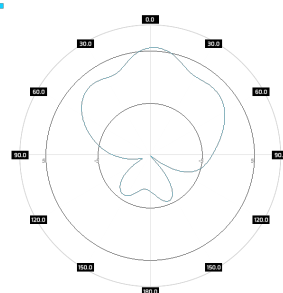
PA MMB0727-8X  
1800Mhz, port 2, elev.



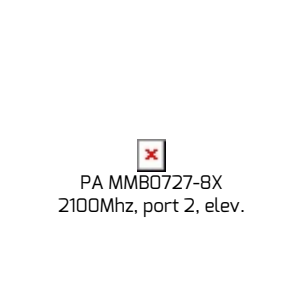
PA MMB0727-8X  
2100Mhz, port 1, azimuth



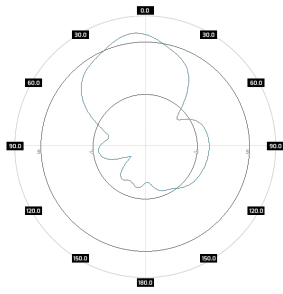
PA MMB0727-8X  
2100Mhz, port 1, elev.



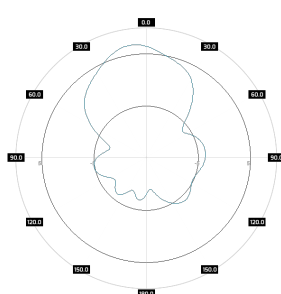
PA MMB0727-8X  
2100Mhz, port 2, azimuth



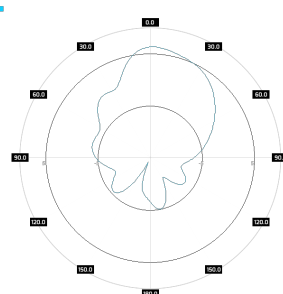
PA MMB0727-8X  
2100Mhz, port 2, elev.



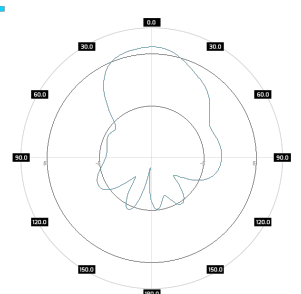
PA MMB0727-8X  
2600Mhz, port 1, azimuth



PA MMB0727-8X  
2600Mhz, port 1, elev.



PA MMB0727-8X  
2600Mhz, port 2, azimuth



PA MMB0727-8X  
2600Mhz, port 2, elev.