



## TRIPLE BAND PTP/CLIENT ANTENNA

# WiBOX PA MMB0727-8HVX-5m-SMA

**WiBOX PA MMB0727-8HVX-5m-SMA** is MIMO 2x2 antenna, working in X-Pol and H/V polarization (depend of mounting position) 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 MMB0727-8HVX-5m-SMA** can operate indoor and outdoor (**IP67**). The antenna is integrated with the top quality **WiBOX Medium**. It comes with **2x 5m cable with SMA male** connector (loss on cable below 3dB).

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>☒ 8 dBi ±1</li> <li>☒ 8 dBi ±1</li> <li>☒ 8 dBi ±1</li> </ul>
VSWR	<ul style="list-style-type: none"> <li>☒ &lt;1.60, max &lt; 1.80</li> <li>☒ &lt;1.70, max &lt; 1.80</li> <li>☒ &lt;1.70, max &lt; 1.80</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>☒ H&amp;V or X</li> <li>☒ H&amp;V or X</li> <li>☒ H&amp;V or 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 10.71 x 3.78 x 10.87 inch
Weight	2.5 kg
Connector	2xSMA male on 5m cable
Material	ABS
Waterproof level	IP67
Operating temperature	from from -40°C to 80°C to °C from 32°F to 32°F
Wind resistance	km/h

### Mounting Kit

Dimensions	9.9 x 10.5 x 14.8 cm 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 + galvanized steel U-Bolts

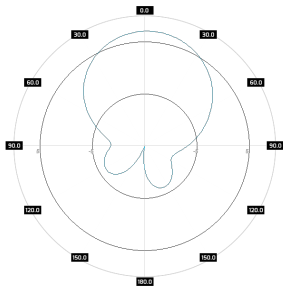
### Features

- › Gain for the frequency of 694 - 960 MHz  
2x 8 dBi ±1
- › Polarization H&V or X for the frequency of  
694 - 960 MHz
- › Gain for the frequency of 1700 - 2200  
MHz 2x 8 dBi ±1
- › Polarization H&V or X for the frequency of  
1700 - 2200 MHz
- › Gain for the frequency of 2200 - 2700  
MHz 2x 8 dBi ±1
- › Polarization H&V or X for the frequency of  
2200 - 2700 MHz
- › 2 x Connector SMA male on 5m cable
- › Big, ergonomic and voluminous **WiBOX  
Medium + 2 cables SMA** enclosure for  
radio equipment installation
- › Outdoor Waterproof Enclosure **WiBOX  
Medium + 2 cables SMA**
- › Designed and resistant for any weather  
conditions
- › Grounding system protecting against  
lighting - DC Ground
- › 36 Warranty Months

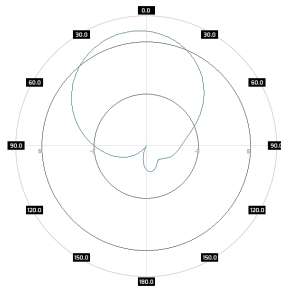
### Systems

- › LTE band - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12,  
13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28,  
29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41,  
44, 53, 65, 66, 67, 68, 69, 70, 85
- › 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

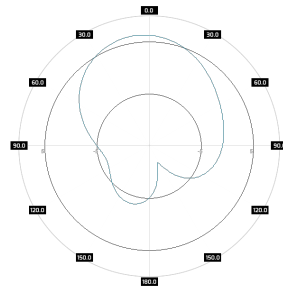
### Plots



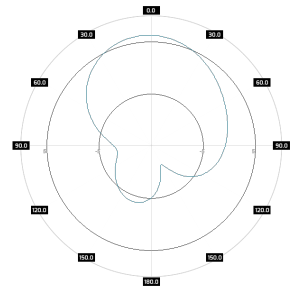
PA MMB0727-8X  
800Mhz, port 1, azimuth



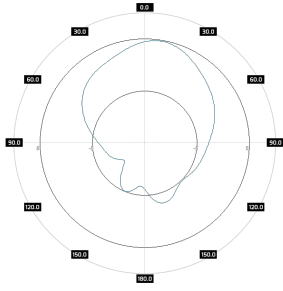
PA MMB0727-8X  
800Mhz, port 1, elev.



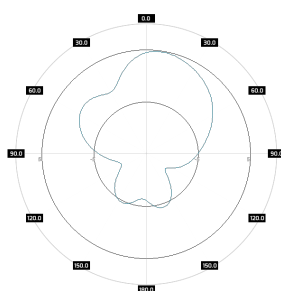
PA MMB0727-8X  
800Mhz, port 2, azimuth



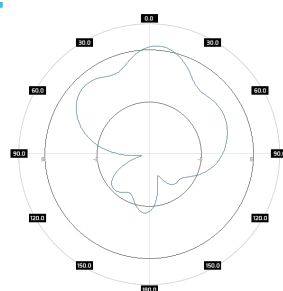
PA MMB0727-8X  
800Mhz, port 2, elev.



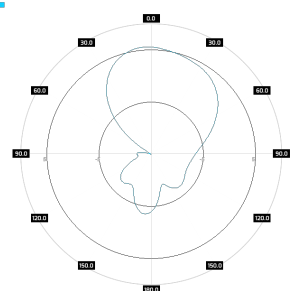
PA MMB0727-8X  
1800Mhz, port 1, azimuth



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



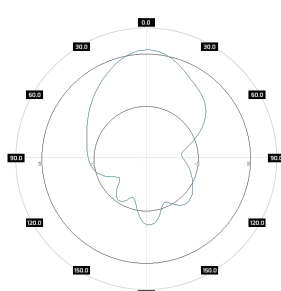
PA MMB0727-8X  
1800Mhz, port 2, azimuth



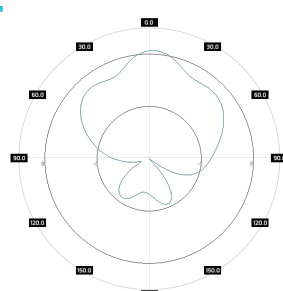
PA MMB0727-8X  
1800Mhz, port 2, elev.



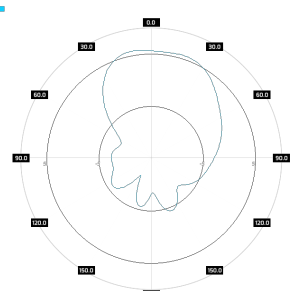
PA MMB0727-8X  
2100Mhz, port 1, azimuth



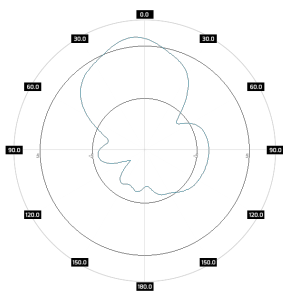
PA MMB0727-8X  
2100Mhz, port 1, elev.



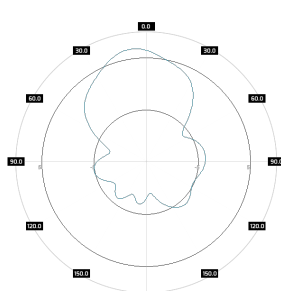
PA MMB0727-8X  
2100Mhz, port 2, azimuth



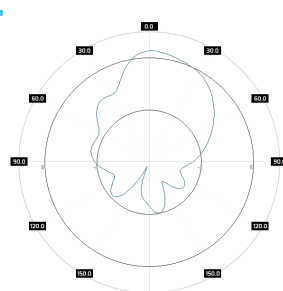
PA MMB0727-8X  
2100Mhz, port 2, elev.



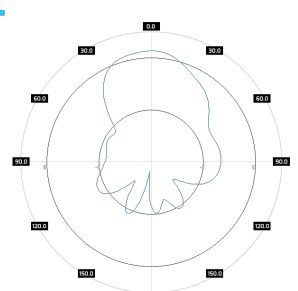
PA MMB0727-8X  
2600Mhz, port 1, azimuth



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



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



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