



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).



Electrical specification

| | |
|-------------------------------|---|
| Frequency | <ul style="list-style-type: none"> ☒ 0.694 - 0.96 GHz ☒ 1.7 - 2.2 GHz ☒ 2.2 - 2.7 GHz |
| Gain | <ul style="list-style-type: none"> ☒ 8 dBi ±1 ☒ 8 dBi ±1 ☒ 8 dBi ±1 |
| VSWR | <ul style="list-style-type: none"> ☒ <1.60, max < 1.80 ☒ <1.70, max < 1.80 ☒ <1.70, max < 1.80 |
| Beamwidth | <ul style="list-style-type: none"> ☒ 70°/70° +/- 15° ☒ 70°/70° +/- 15° ☒ 70°/70° +/- 15° |
| Polarization | <ul style="list-style-type: none"> ☒ H&V or X ☒ H&V or X ☒ H&V or X |
| Cross-Polar Isolation | |
| Front-to-Back | <ul style="list-style-type: none"> ☒ > 10 dB ☒ > 10 dB ☒ > 10 dB |
| Separation between Connectors | <ul style="list-style-type: none"> ☒ > 20 dB ☒ > 20 dB ☒ > 20 dB |
| 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 |

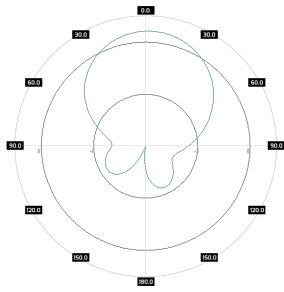
Plots

Features

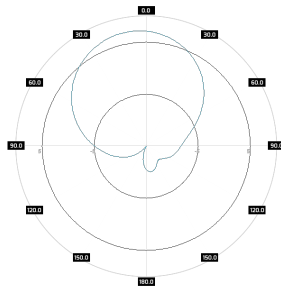
- › Gain for the frequency of 694 - 960 MHz 2x 8 dBi ±1
- › Polarization H&V or X for the frequency of 694 - 960 MHz
- › Gain for the frequency of 1700 - 2200 MHz 2x 8 dBi ±1
- › Polarization H&V or X for the frequency of 1700 - 2200 MHz
- › Gain for the frequency of 2200 - 2700 MHz 2x 8 dBi ±1
- › Polarization 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 lightning - DC Ground
- › 36 Warranty Months

Systems

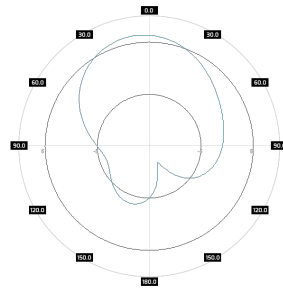
- › LTE band - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 70, 85
- › WiMAX - 2.3 GHz, 2.5 GHz, 700 MHz
- › 3G - 2100 MHz, 850 MHz, 900 MHz
- › GSM - 1800 MHz, 1900 MHz, 850 MHz
- › RfID - 2400 - 2483 MHz, 865 - 868 MHz, 902 - 928 MHz
- › ISM - 2400-2483 MHz, 868-870 MHz
- › WLAN - 2.4 GHz
- › Bluetooth - 2400-2483 MHz



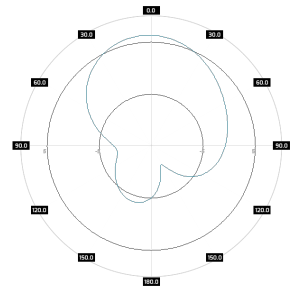
PA MMB0727-8X
800Mhz, port 1, azimuth



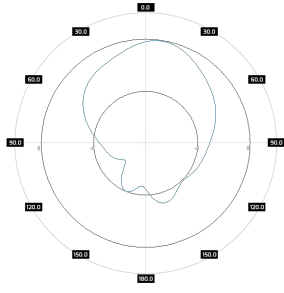
PA MMB0727-8X
800Mhz, port 1, elev.



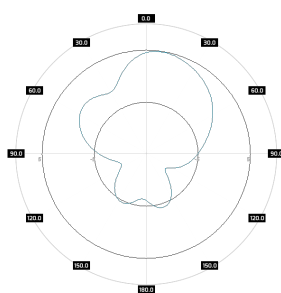
PA MMB0727-8X
800Mhz, port 2, azimuth



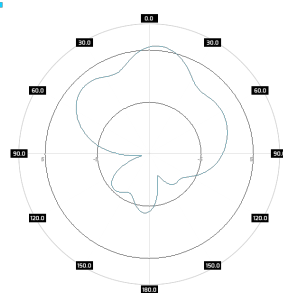
PA MMB0727-8X
800Mhz, port 2, elev.



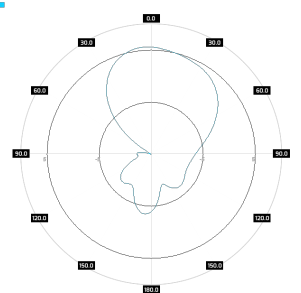
PA MMB0727-8X
1800Mhz, port 1, azimuth



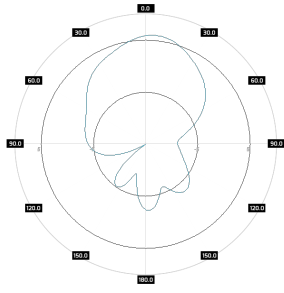
PA MMB0727-8X
1800Mhz, port 1, elev.



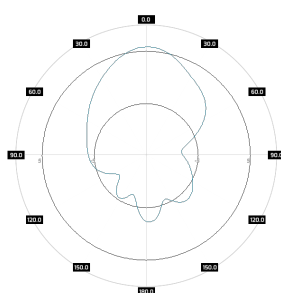
PA MMB0727-8X
1800Mhz, port 2, azimuth



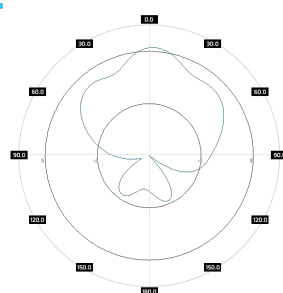
PA MMB0727-8X
1800Mhz, port 2, elev.



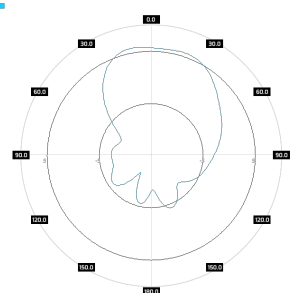
PA MMB0727-8X
2100Mhz, port 1, azimuth



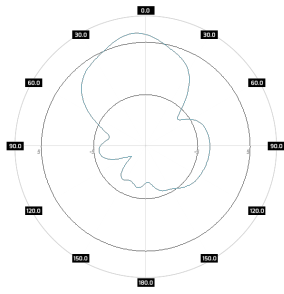
PA MMB0727-8X
2100Mhz, port 1, elev.



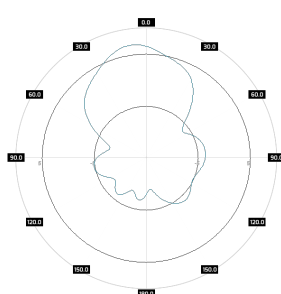
PA MMB0727-8X
2100Mhz, port 2, azimuth



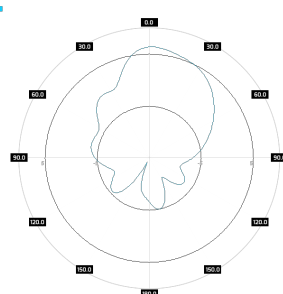
PA MMB0727-8X
2100Mhz, port 2, elev.



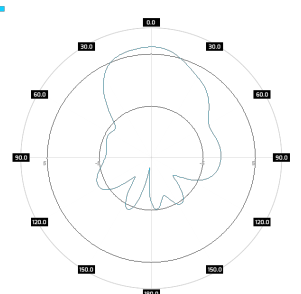
PA MMB0727-8X
2600Mhz, port 1, azimuth



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



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



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