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TRIPLE BAND PTP/CLIENT ANTENNA

WiBOX PA MMB0727-8HVX-5m-SMA

ROHS

DC GROUND

IP67

UV RESISTANT

ABS

WiBOX PA MMB0727-8HVX-5m-SMA *is MIMO 2x2 antenna, working in X-Pol and H/V polarization (depend of mounting postion) 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	0.694 - 0.96 GHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
Gain	8 dBi ±1 8 dBi ±1 8 dBi ±1
VSWR	<1.60, max < 1.80 <1.70, max < 1.80 <1.70, max < 1.80
Beamwidth	70°/70° +/- 15° 70°/70° +/- 15° 70°/70° +/- 15°
Polarization	H&V or X H&V or X H&V or X
Cross-Polar Isolation	
Front-to-Back	> 10 dB > 10 dB > 10 dB
Separation between Connectors	> 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°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

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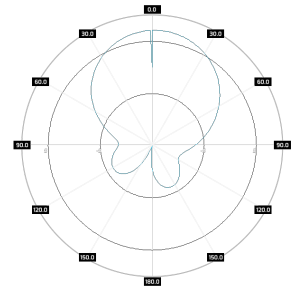
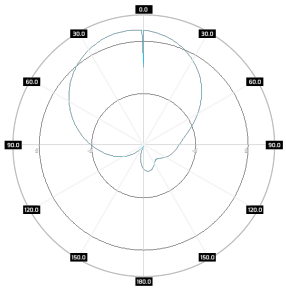
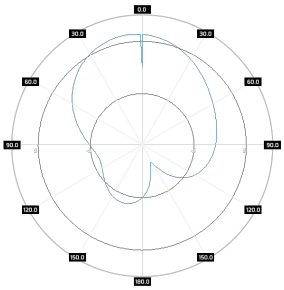
Plots



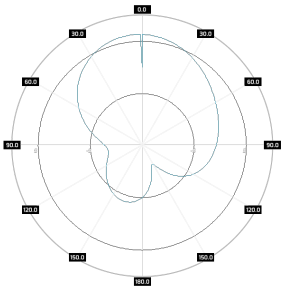
PA MMB0727-8X
800Mhz, port 1, azimuth



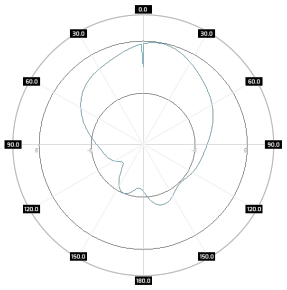
PA MMB0727-8X
800Mhz, port 1, elev.



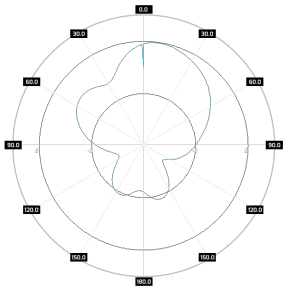
PA MMB0727-8X
800Mhz, port 2, azimuth



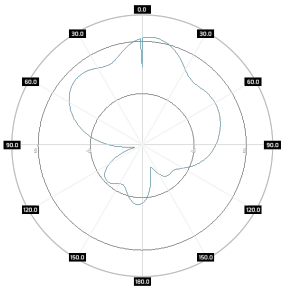
PA MMB0727-8X
800Mhz, port 2, elev.



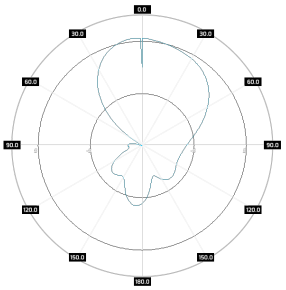
PA MMB0727-8X
1800Mhz, port 1, azimuth



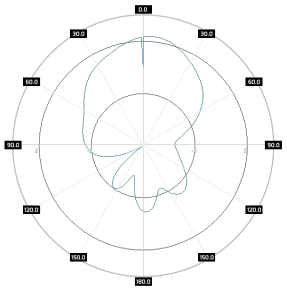
PA MMB0727-8X
1800Mhz, port 1, elev.



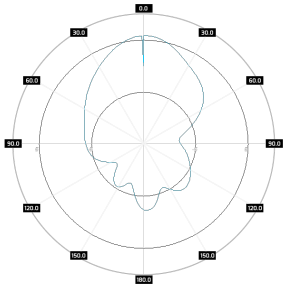
PA MMB0727-8X
1800Mhz, port 2, azimuth



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



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



PA MMB0727-8X
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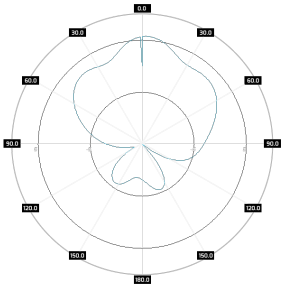
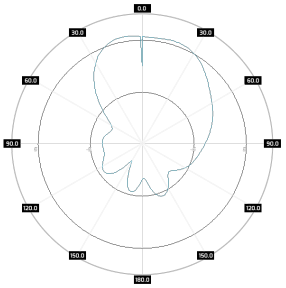
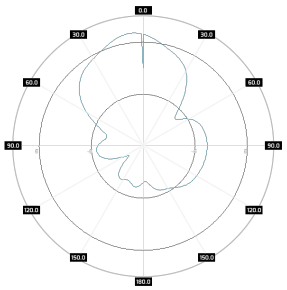


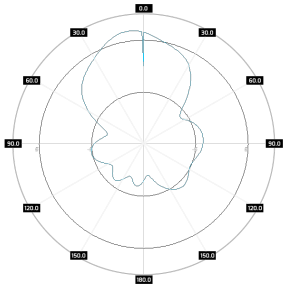
PA MMB0727-8X
2100Mhz, port 2, azimuth



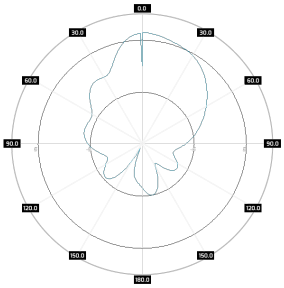
PA MMB0727-8X
2100Mhz, port 2, elev.



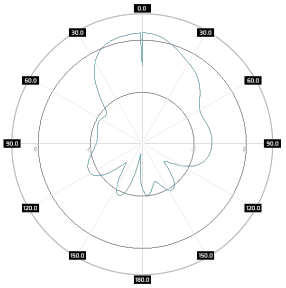
PA MMB0727-8X
2600Mhz, port 1, azimuth



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



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



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

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