Wireless Instruments Sp. z o.o.
ul. Kosciuszki 27, 52-116 Iwiny, Poland
Tel1: +48 601 366 369, +48 577 667 761
http://www.wireless-instruments.com

PTP/CLIENT ANTENNA

WiBOX PA M5-24HV

WiBOX PA M5-24HV *is an innovative* ***PTFE microstrip dual polarity H&V polarized (MIMO 2x2) planar antenna*** *operating at the frequency range of* ***5,15 – 5,95 GHz*** *with* ***24 dBi*** *gain in both polarizations. It is desired for* ***point-to-point (PTP)*** *or* ***point-to-multipoint (PMP)*** *as the client antenna, where the high-gained antennas are required. Works with* ***WLAN 802.11n/ac*** *systems. Can be installed* ***indoor and outdoor (IP67)****. The antenna is integrated with the top quality* ***WiBOX Large*** *system.*

ROHS

DC GROUND

IP67

UV RESISTANT

ABS

Electrical specification

Frequency	5.15 - 5.95 GHz
Gain	24 dBi
VSWR	<2.00
Beamwidth	8°/8°
Polarization	H&V
Cross-Polar Isolation	
Front-to-Back	> 30 dB
Separation between Connectors	> 41 dB
Impedance	50 Ω
Max Input Power	50 W
Lighting Protection	No
DC Ground	Yes

Mechanic specification

Dimensions	39.2 x 39.6 x 9.9 cm 15.43 x 15.59 x 3.9 inch
Weight	2.9 kg
Connector	RJ45 & 2xSMA
Material	ABS
Waterproof level	IP67
Operating temperature	from -40°C to 80°C from -40°F to 176°F
Wind resistance	70km/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 5150 - 5950 MHz 2x 24 dBi
- Polarization H&V for the frequency of 5150 - 5950 MHz
- 2 x Connector SMA
- Big, ergonomic and voluminous ***WiBOX Large*** enclosure for radio equipment installation
- Outdoor Waterproof Enclosure ***WiBOX Large***
- Designed and resistant for any weather conditions
- RJ45 Waterproof System
- Grounding system protecting against lighting - DC Ground
- 36 Warranty Months

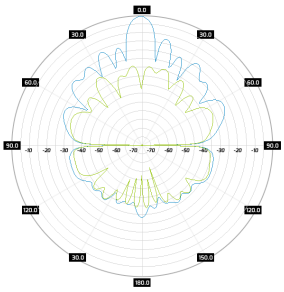
Systems

- LTE band - 46, 47, 252, 255
- WLAN - 5 GHz
- WiMAX - 5 GHz
- RFiD - 5725 - 5875 MHz
- ISM - 5725-5875 MHz

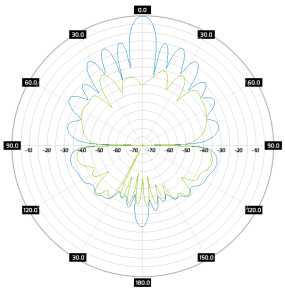
Applications

- PtP connections
- PtM Connections
- System Integration

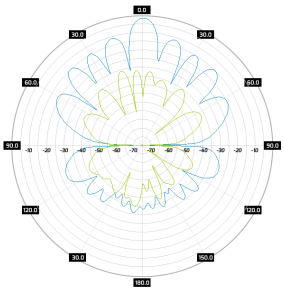
Plots



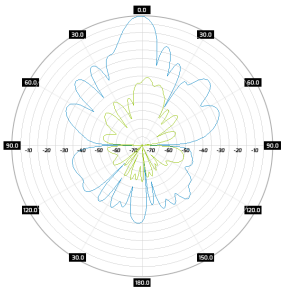
Radiation pattern Port 1 Pol 1



Radiation pattern Port 1 Pol 2



Radiation pattern Port 2 Pol 1



Radiation pattern Port 2 Pol 2

Wireless Instruments