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 24-19

WiBOX PA 24-19 *is a* ***panel antenna (SISO)*** *operating at the frequency band of:* ***2.4 – 2.5 GHz*** *with* ***19 dBi*** *gain, in* ***horizontal*** *or* ***vertical*** *polarization (changeable on the front cover). The antenna can be used in* ***point-to-point (PTP)*** *topology for medium distance links as bridges, backbones, or as a client antenna. It can work* ***indoor and outdoor (IP 67)****. It works with the systems of:* ***WLAN (802.11b/g)****. The antenna is integrated with the top quality* ***WiBOX Large*** *box system.*

ROHS

DC GROUND

IP67

UV RESISTANT

ABS

Electrical specification

Frequency	2.4 - 2.5 GHz
Gain	19 dBi
VSWR	<2.00
Beamwidth	16°/16°
Polarization	V,H
Cross-Polar Isolation	
Front-to-Back	
Separation between Connectors	
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	2.73 kg
Connector	RJ45
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 2400 - 2500 MHz 0x 19 dBi
- Polarization V,H for the frequency of 2400 - 2500 MHz
- 0 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

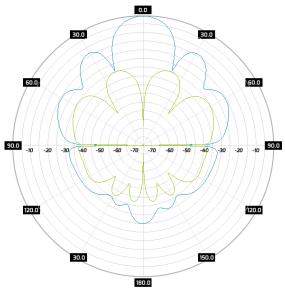
Systems

- LTE band - 40, 41, 53
- WLAN - 2.4 GHz
- WiMAX - 2.3 GHz, 2.5 GHz
- RFiD - 2400 - 2483 MHz
- Bluetooth - 2400-2483 MHz
- ISM - 2400-2483 MHz

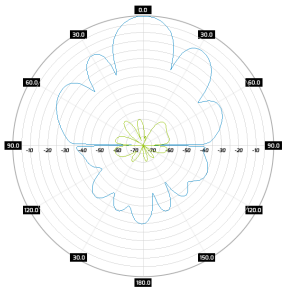
Applications

- PtP connections
- PtM Connections
- System Integration

Plots



Radiation pattern Pol 1



Radiation pattern Pol 2

Wireless Instruments