MRA50019

Key Features:

- 19 dBi Directional Gain
- Integrated enclosure
- LED window display ath the bottom
- Special Outdoor Weatherproof Enclosure Dedicated for Mikrotik RouterBOARDs
- The Highest Ingress Protection (EN 60529) IP67
- Horizontal or Vertical Polarization
- Wall Mounting Optional
- Tilt Adjustment Optional
- 5 Years Warranty
- Designed for All Weather Operation

Applications:

- 5 GHz Band Wireless LAN
- IEEE 802.11a WLAN Systems
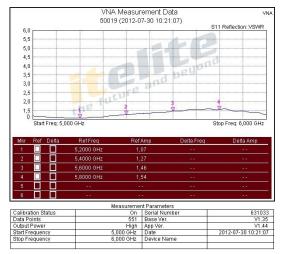- RLAN
- FWA
- WiMAX

Description:

Antenna with integrated enclosure working in 5 GHz band with 19 dBi gain that can be mounted for horizontal or vertical polarization. The range includes weatherproof outdoor enclosure with panel antenna and enough compartment for RouterBoard or any other electronic equipment. Enclosure is furnished with special cable gland connector with an easy connection to Internet Network. Ethernet cable can be plugged in without removing the RJ45. Perfectly designed for operation under severe weather conditions. Proper materials allow operation in the salty water environment without corrosion. High quality construction of pole mounting elements guarantee easy elevation and easy tilt down as well as rock-stable operation. It can be used as customer premise equipment and also as small base stations. Inside the enclosure are suitable posts for Mikrotik RouterBOARS 411 and 711 series.

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Electrical Properties

Frequency	5.1 - 5.9 GHz
Gain	19dBi
Polarization	horizontal or vertical
Beamwidth deg horizontal	20°
Beamwidth deg vertical	20°
VSWR	<1.7
Impedance	50 ohm
Front to back ratio	> 33 dB
Lightning protection:	DC ground

Enclosure Properties

Technology:	Microstrip
Material:	UV protected
Colour:	Grey
Ingress Protection (EN 60529):	IP 67
Min temperature:	-40°C / -40°F
Max temperature:	80°C / 176°F

Mechanical Properties

Compatible with:	RB411 and RB711 series
Input Connector	UFL, MMCX, RPSMA
Enclosure Connector	Cable Gland
Outside Dimensions	185x185x56mm / 7,4x7,4x2,2"
Weight	0,6kg / 1,3lbs

Specification subject to change without notice.

VNA Measurement Data
50019 (2012-07-30 10:21:07)

S11 Reflection::VSWR

Start Freq: 5,000 GHz   Stop Freq: 6,000 GHz

Mkr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1			5,2000 GHz	1,07	- -	- -
2			5,4000 GHz	1,27	- -	- -
3			5,6000 GHz	1,46	- -	- -
4			5,8000 GHz	1,54	- -	- -
5			- -	- -	- -	- -
6			- -	- -	- -	- -

Measurement Parameters

Calibration Status	On	Serial Number	631033
Data Points	551	Base Ver.	V1.35
Output Power	High	App Ver.	V1.44
Start Frequency	5,000 GHz	Date	2012-07-30 10:21:07
Stop Frequency	6,000 GHz	Device Name	

VSWR