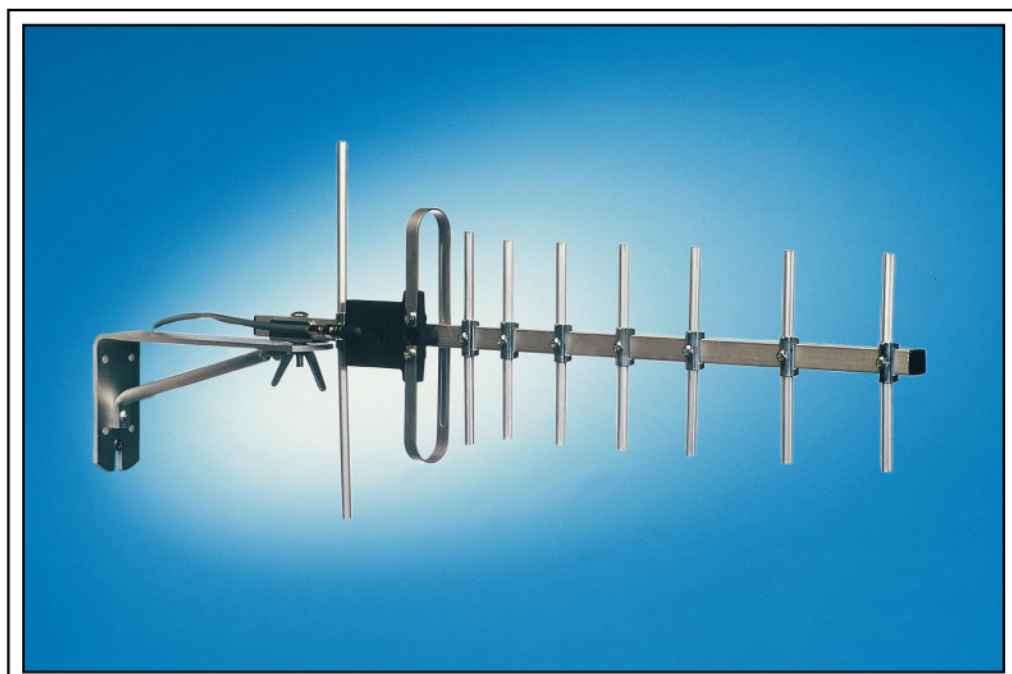




ABY9

Broadband high-gain directional antenna, 800-960 MHz



Extended network range, long service life

The ABY9 directional antenna is designed for enhanced broadband directional RF radiation in the frequency range 800-960 MHz. It meets rigorous criteria for high performance and extended operating range in fixed wireless networks.

Long service life is ensured by high-quality materials and a moulded watertight balun.

The Carant ABY series of outdoor wall-mounted antennas has been developed specifically for fixed wireless networks. ABY antennas have demonstrated outstanding performance and reliability worldwide, in commercial networks from leading international suppliers of telecommunications equipment.

Carant antennas support all major standards used in fixed wireless networks.

Benefits

- Excellent performance at very competitive price
- Long service life
- DC-grounding to protect subscriber equipment
- Easily installed and aligned
- Ready to use, no assembly required

 **Carant**

CARANT ANTENNA H-9028 Győr, Török Ignác u. 66., Hungary
Phone: +36 96 516 010 Fax: +36 96 516 016 e-mail: carant@carant.hu



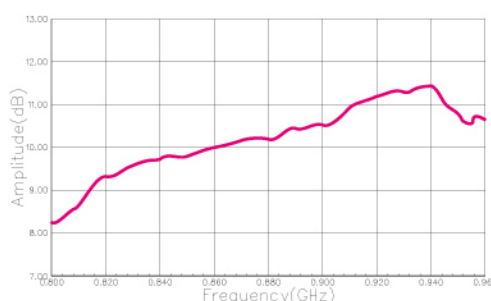
ABY9



SPECIFICATIONS

Broadband high-gain directional antenna, 800-960 MHz

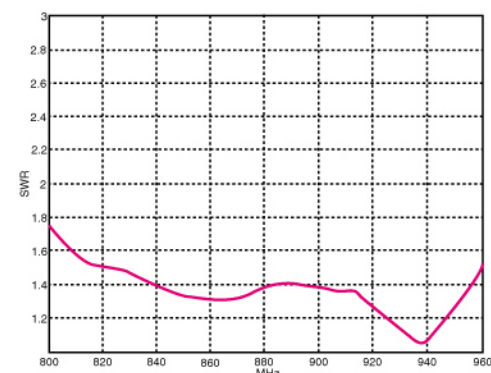
ELECTRICAL DATA	
Frequency range	800-960 MHz
Nominal impedance	50 Ω
Gain	10.5 dBi @ 900 MHz
See figure at right	
VSWR	< 1:8
F/B ratio	>15 dB
Maximum input power	6 W
Polarization	Vertical
Connector type	FME-m



Typical antenna gain

MECHANICAL DATA	
Support boom material	Aluminium alloy
Element material	Aluminium alloy
Mounting bracket material	Aluminium alloy
Antenna dimensions	535x175x40 mm
Antenna weight	240 g
Mounting bracket weight	160 g
Maximum wind speed	25 m/s
Flat plate equivalent	0.045 m ²
Ambient temperature	-40°C - +70°C
Ambient humidity	Max. 98%

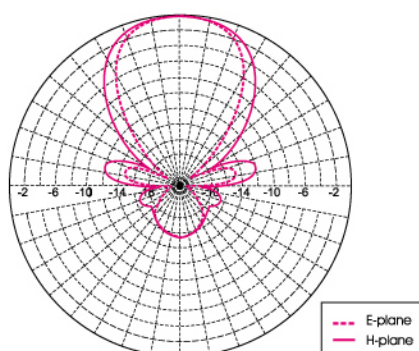
Tested according to standards: IEC68-2-1:Ab/Ad
IEC68-2-2:Bb/Bd
IEC68-2-14:Na
IEC68-2-56:Cb
IEC68-2-11:Ka



Typical VSWR diagram

SHIPPING DATA	
Package weight	560 g
Package dimensions	650x180x50 mm

OPTIONAL ACCESSORIES	
Matching low-loss cable with FME-connectors	
Adjustable mast-mount kit for mast 30-50 mm	



Typical radiation pattern

For more information on how the ABY9 can be customized to your requirements, please contact our Marketing Department.

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