

NEARSON

Applications

- WLAN 802.11 b&g
- 2.4 GHz RF Modules
- Any 2.4 GHz antenna replacement

Highlights

- Increases RF network coverage
- Infrastructure antenna performance without the hassle
- Most cost-effective enhancement of range and throughput
- Direct attachment to radio
- Cover hard to reach areas, large warehouses
- Easy installation



The easiest way to increase your WLAN range and signal quality!

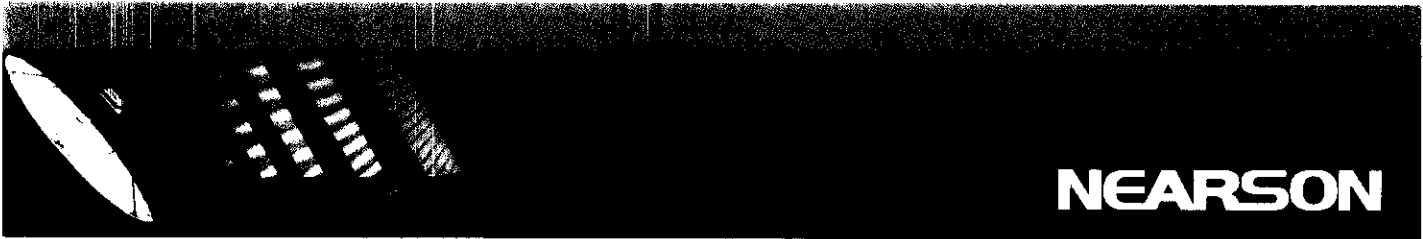
Nearson 7 dBi gain portable antennas are the fastest, most cost effective method to enhance the effective coverage area and signal quality of wireless networks. Blind spots and patchy signals can be replaced by high quality reception without the cost or power consumption of extra Access Points, amplifiers, or infrastructure antennas.

The Nearson 7-dBi antenna brings the performance of an infrastructure antenna in a portable package that is small and lightweight. It attaches directly to standard connector's found on 2.4 GHz industrial radios or 802.11b&g Access Points. The added signal strength effectively triples reception range in many environments. Increased sensitivity improves throughput by reducing packet loss. Installation is a breeze, simply unscrew your existing antenna and attach Nearson's 7 dBi, no setup or modifications are required.

Nearson's 7-dBi antennas are thin, flexible, and articulating. They come with standard and reverse polarity connectors for FCC Part 15 compliance. There are models available with flying leads (a Nearson innovation in 1999) for OEM adoption with U.FL compatible and MMCX connectors. These flying lead models eliminate costly patch cables and offer a variety of methods to attach to an OEM's enclosure.

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Specifications:

Frequency	2.400~2.500 GHz
Gain	7 dBi
VSWR	<2.0:1
Pattern	Omnidirectional
Polarization	Linear vertical
Impedance	50 Ohms nominal
Height	11 inches
Connectors	SMA, TNC, RP-SMA, RP-TNC
Flying lead	Coaxial cable lead with MMCX, IPX (U.FL compatible)
Dimensions	11" by 0.5" (H x W)
Articulation	Straight, Swivel, Fixed Right
Material	Polyurethane, polycarbonate and brass
Operating temp	-20 C to + 65 C
Color	Black, optional colors available
Warranty	4 years limited warranty

Models Numbers:

Model Number	Connector	Cable	Mounting
S171AH-2450S	RP-SMA plug	N/A	
S171AM-2450S	Standard SMA plug	N/A	
S171TR-2450S	RP-TNC plug		
S171TC-2450S	Standard TNC plug		
S171FL-5-RMM- 2450S	Rt. Angle MMCX	5" RG178	FL-threaded base & nut
S171FL-5-PX-2450S	IPEX	5" RG178	FL-threaded base & nut
S171FC-5-RMM-2450S	Rt. Angle MMCX	5" RG178	FC-Eyeball joint
S171FL-5-PX-2450S	IPEX	5" RG178	FC-Eyeball joint

Connectors:

Rev Pol SMA	Rev Pol TNC	Flying Lead connectors MMCX*
