

Flat Patch Directional 18 dBi antenna 5.1 – 5.9 GHz



Flat Patch Directional Antenna 18 dBi for WLAN 802.11a

This antenna is ideally suited to interconnect clients to the corresponding access point over a larger distance in outdoor environments or to establish a strong and reliable point-to-point connection with 802.11a WLAN bridges. This antenna can be mounted in both ways with horizontal or vertical polarization (see arrow on the back). With its gain of 18 dBi this flat patch antenna provides similar results as a typical yagi antenna but is easier to adjust due to larger beam-width. The small and inconspicuous dimensions prevent it from being affected by strong winds and vandalism.

The universal mounting kit is designed for wall and mast mounting. This antenna provides reliable high performance connections in all outdoor applications and for use in industrial buildings with special environmental conditions too.

Each antenna set includes:

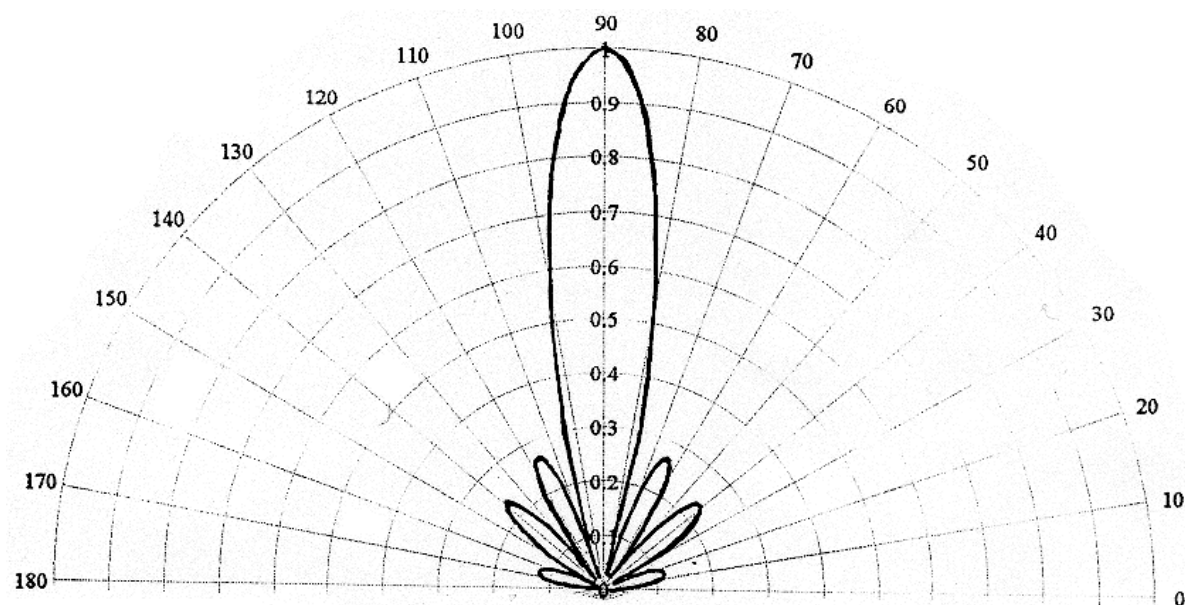
Antenna

Universal Wall & Mast Mounting kit with up to 45° tilt

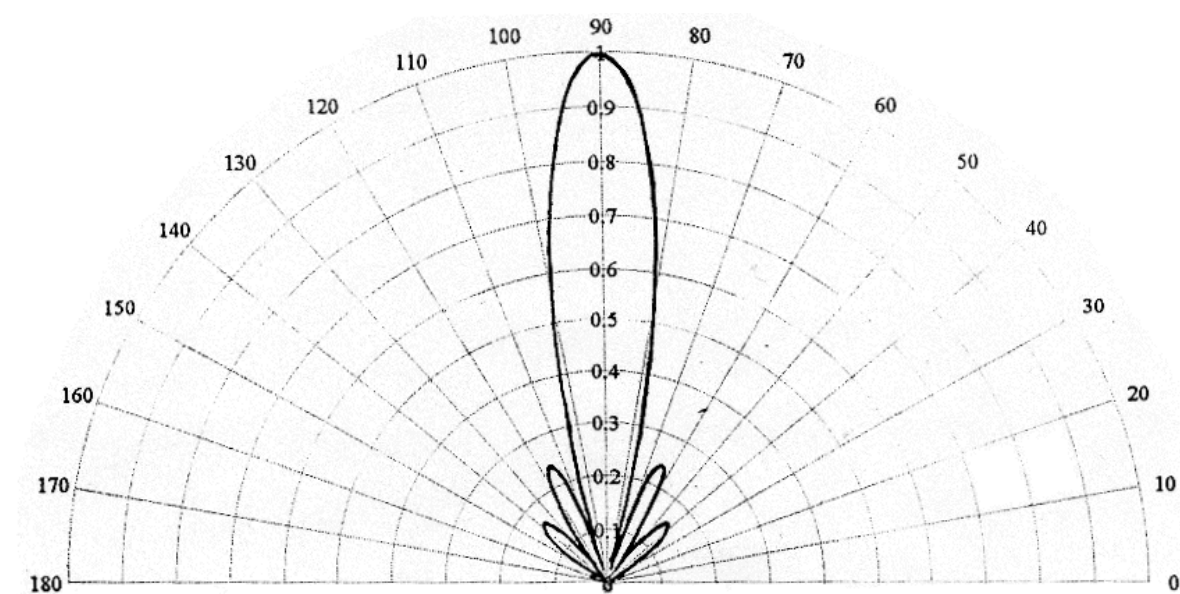
Coax cable to radio device (length 2m)

Technical Specifications of Antenna	
Electrical	
Operating Range	5100-5900 MHz
Gain, dBi	18
Horizontal Beam Width, degree	20
Vertical Beam Width, degree	20
Impedance, Ohm	50
VSWR	1.5
Side lobe, dB	< -15
Mechanical	
Weight	212 g
Dimensions, mm	190 x 190 x 25
Mounting	Universal wall or mast mounting kit, adjustable with up to 45° tilt in x- and y-axis
Radome Material	Aesthetic UV-inhibited white plastic
Polarization	Horizontal and vertical
Wind survival	200 km/h
Connector Type	SMA at antenna, N-male at cable end

Antenna characteristics



Horizontal Field Strength Pattern of Flat Patch Antenna



Vertical Field Strength Pattern of Flat Patch Antenna