

Ground independent, vertically polarized 5GHz dipole antenna for WLAN applications.

Optimised for operation when mounted on 3mm thick KINGFA black plastic.



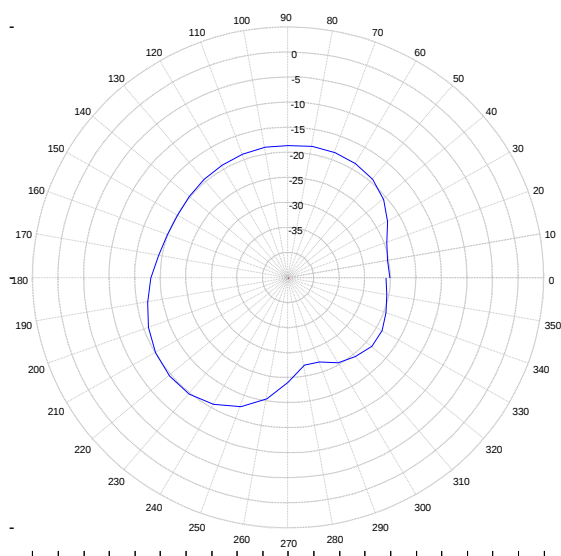
Specifications

Part Number	ZZ44601
Description	Formation Bar 2 - Antenna 4 and 5
Antenna type	Dipole
Connector Type	U.FL Receptacle IPEX 20279-001E-03
Impedance	50 Ohms
Polarization	Linear - Vertical
Radiation Pattern	Omnidirectional
Center Frequency	5.2GHz
VSWR	< 2
Peak Gain*	2 dBi
Antenna PCB dimensions	15.3mm x 26mm x 1mm
PCB Material	FR4 TG $\geq$ 140

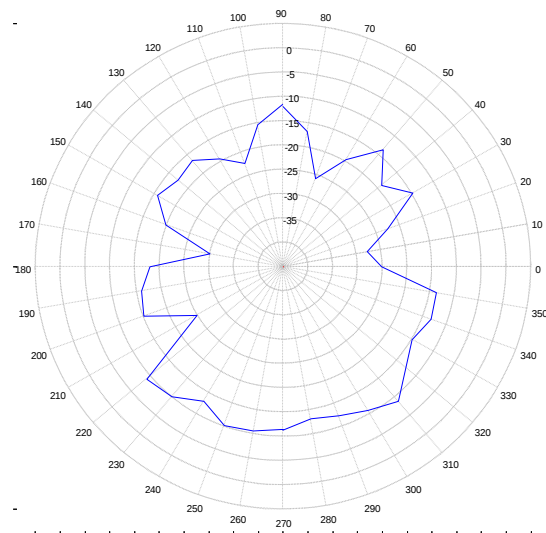
*Typical values when measured on 3mm thick KINGFA black plastic.

The materials provided are believed to be reliable and correct at the time of release. Radtenna Ltd. does not warrant the accuracy or completeness of the information No liability is assumed due to their use or application.

Data Sheet

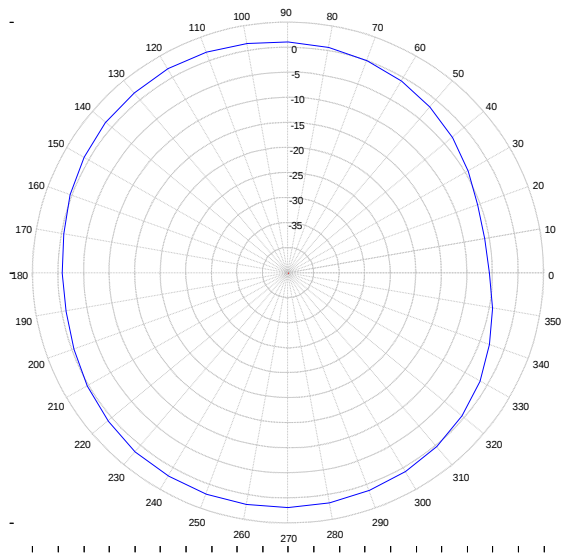


Name: .
Date/Time = 11/04/2024 13:10:41
Plot Scale: 5 dB/Div
Beamwidth: 64.70 Degrees
Frequency: 5205 MHz
MAX dB= -14.59 @ 220 Deg.
MIN dB= -27.23 @ 280 Deg.
dB Min/Max Delta = 12.636 dB

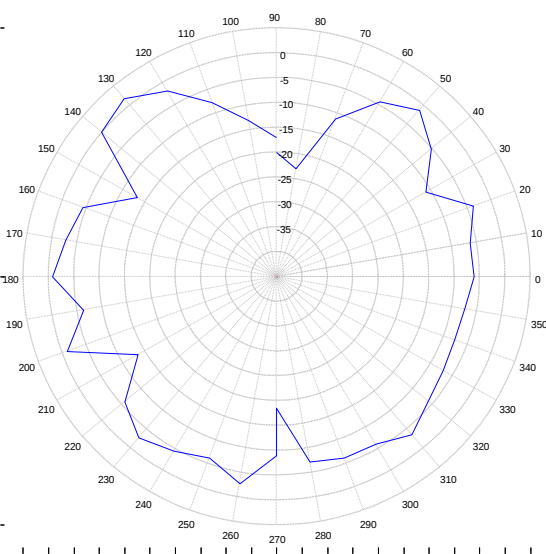


Name: .
Date/Time = 11/04/2024 13:12:26
Plot Scale: 5 dB/Div
Beamwidth: 17.25 Degrees
Frequency: 5205 MHz
MAX dB= -8.859 @ -50 Deg.
MIN dB= -29.96 @ -190 Deg.
dB Min/Max Delta = 21.103 dB

5200MHZ LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH - HORIZONTAL POLARIZATION



Name: .
Date/Time = 11/04/2024 13:15:03
Plot Scale: 5 dB/Div
Beamwidth: 264.0 Degrees
Frequency: 5190 MHz
MAX dB= 2.0083 @ 120 Deg.
MIN dB= -6.069 @ 10 Deg.
dB Min/Max Delta = 8.0776 dB



Name: .
Date/Time = 11/04/2024 13:15:46
Plot Scale: 5 dB/Div
Beamwidth: 19.22 Degrees
Frequency: 5190 MHz
MAX dB= 1.7490 @ -230 Deg.
MIN dB= -23.00 @ 80 Deg.
dB Min/Max Delta = 24.750 dB

5200MHZ LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH - VERTICAL POLARIZATION