

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

Optimised for operation in free space.



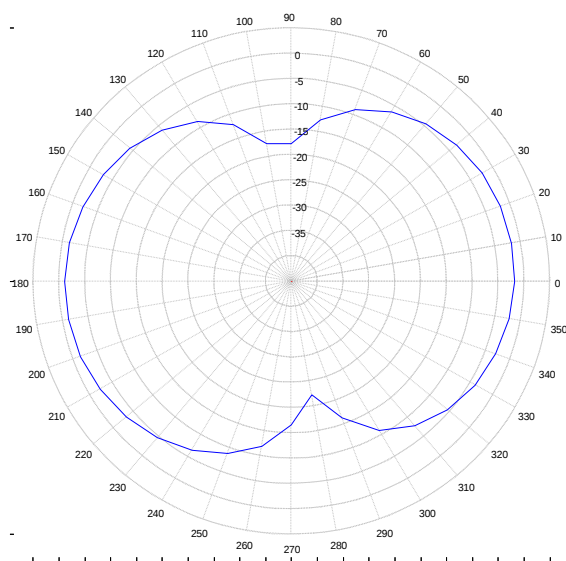
Specifications

Part Number	ZZ44830
Description	CWS Bass Antenna 5
Antenna type	Dipole
Connector Type	Hirose U.FL(A)-LP(P)-088
Cable Type	Ø 1.37 Low loss
Impedance	50 Ohms
Polarization	Linear - Horizontal
Radiation Pattern	Omnidirectional
Center Frequency	5GHz
VSWR	< 2
Cable Length	298 ±3mm
Cable Loss	1 dB
Peak Gain*	2.1 dBi
Peak Gain with cable loss*	1.1 dBi
Antenna PCB dimensions	52mm x 52mm x 1mm
Antenna element dimensions	~16.5mm x 16.5mm
PCB Material	FR4 TG ≥ 140

*Typical values when measured in free space.

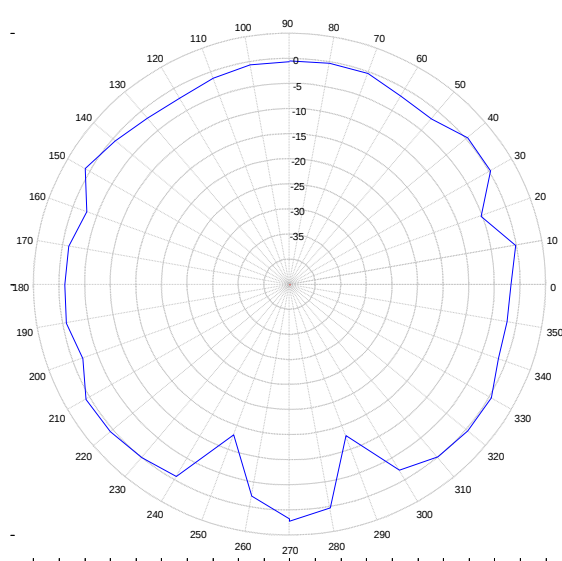
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Data Sheet



Name: .
Date/Time = 19/07/2023 11:16:28
Plot Scale: 5 dB/Div
Beamwidth: 85.92 Degrees

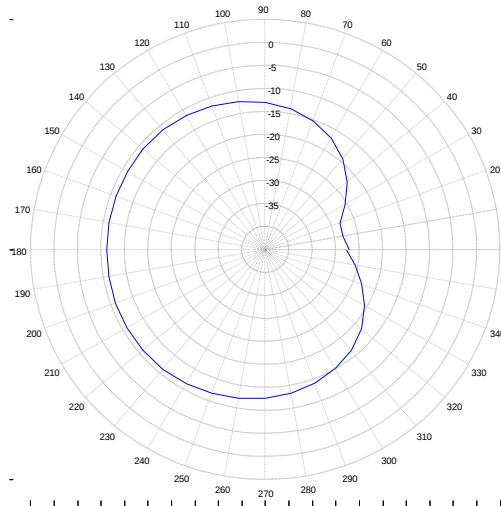
Frequency: 5700 MHz
MAX dB= -1.147 @ 180 Deg.
MIN dB= -22.22 @ 280 Deg.
dB Min/Max Delta = 21.073 dB



Name: .
Date/Time = 19/07/2023 11:17:27
Plot Scale: 5 dB/Div
Beamwidth: 27.34 Degrees

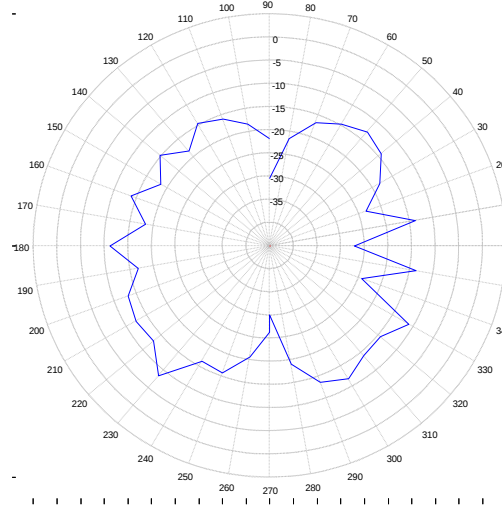
Frequency: 5700 MHz
MAX dB= 2.1186 @ -90 Deg.
MIN dB= -13.06 @ -110 Deg.
dB Min/Max Delta = 15.185 dB

5700MHZ LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH - HORIZONTAL POLARIZATION



Name: .
Date/Time = 19/07/2023 11:22:10
Plot Scale: 5 dB/Div
Beamwidth: 207.8 Degrees

Frequency: 5655 MHz
MAX dB= -10.96 @ 210 Deg.
MIN dB= -28.29 @ 10 Deg.
dB Min/Max Delta = 17.329 dB



Name: .
Date/Time = 19/07/2023 11:23:25
Plot Scale: 5 dB/Div
Beamwidth: 6.657 Degrees

Frequency: 5655 MHz
MAX dB= -8.479 @ -130 Deg.
MIN dB= -30.47 @ 90 Deg.
dB Min/Max Delta = 21.996 dB

5700 MHZ LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH - VERTICAL POLARIZATION

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