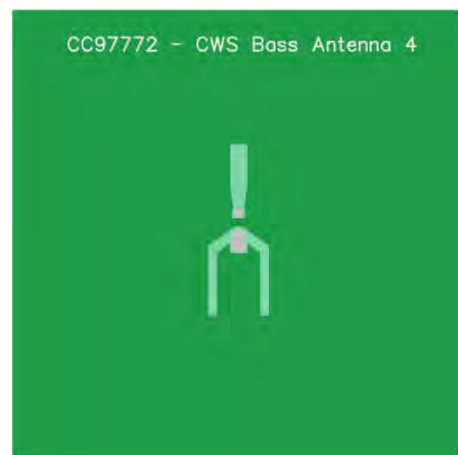


Ground independent, vertically polarized 5GHz dipole antenna for WLAN applications.

Optimised for operation in free space.



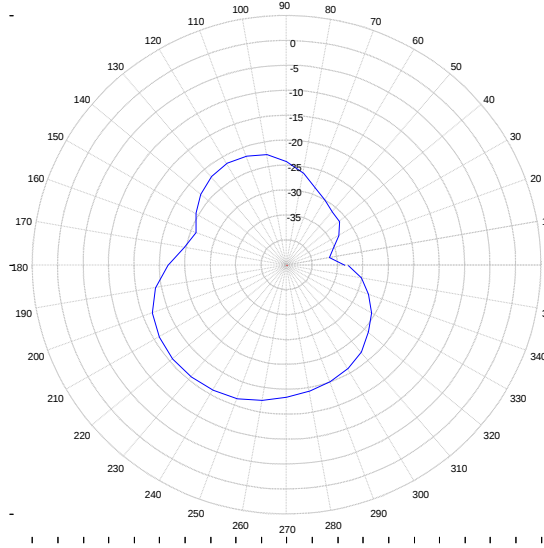
Specifications

Part Number	ZZ44822
Description	CWS Bass Antenna 4
Antenna type	Dipole
Connector Type	Hirose U.FL(A)-LP(P)-088
Cable Type	Ø 1.37 Low loss
Impedance	50 Ohms
Polarization	Linear - Vertical
Radiation Pattern	Omnidirectional
Center Frequency	5GHz
VSWR	< 2
Cable Length	408 ±5mm
Cable Loss	0.9 dB
Peak Gain*	1.4 dBi
Peak Gain with cable loss*	0.5 dBi
Antenna PCB dimensions	52mm x 52mm x 1mm
Antenna element dimensions	~7.5mm x 20mm
PCB Material	FR4 TG ≥ 140

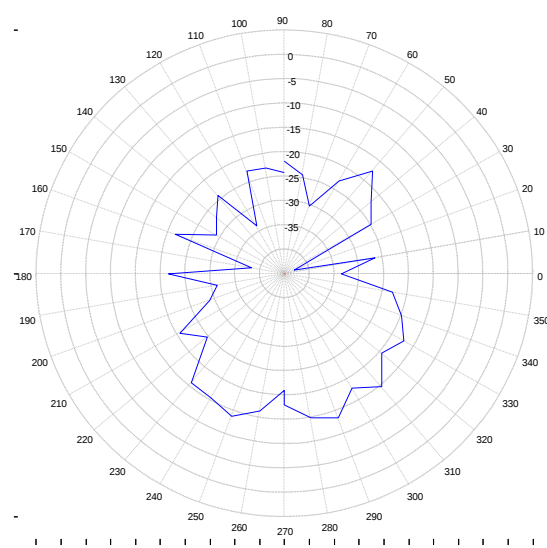
*Typical values when measured in free space.

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

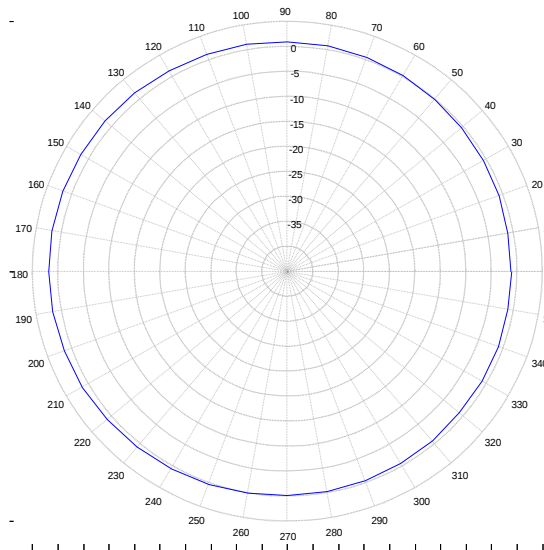


Name: .
Date/Time = 06/02/2024 14:00:02
Plot Scale: 5 dB/Div
Beamwidth: 82.31 Degrees
Frequency: 5250 MHz
MAX dB= -15.69 @ 230 Deg.
MIN dB= -36.57 @ 10 Deg.
dB Min/Max Delta = 20.884 dB

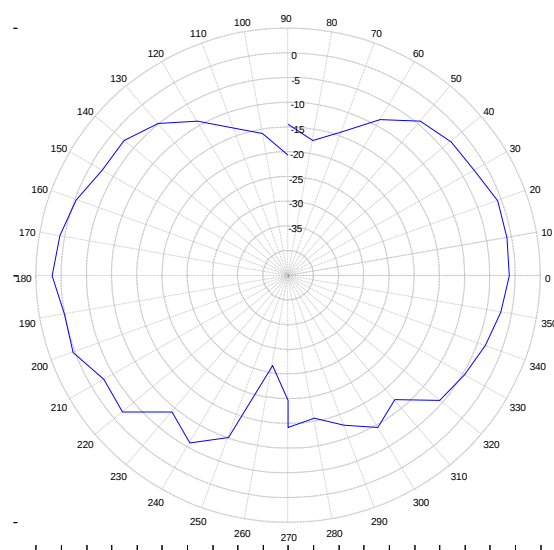


Name: .
Date/Time = 06/02/2024 14:01:14
Plot Scale: 5 dB/Div
Beamwidth: 15.03 Degrees
Frequency: 5250 MHz
MAX dB= -13.45 @ -70 Deg.
MIN dB= -42.88 @ 20 Deg.
dB Min/Max Delta = 29.425 dB

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



Name: .
Date/Time = 06/02/2024 14:02:07
Plot Scale: 5 dB/Div
Beamwidth: 319.5 Degrees
Frequency: 5700 MHz
MAX dB= 1.9095 @ 160 Deg.
MIN dB= -1.244 @ 0 Deg.
dB Min/Max Delta = 3.1541 dB



Name: .
Date/Time = 06/02/2024 14:03:13
Plot Scale: 5 dB/Div
Beamwidth: 49.25 Degrees
Frequency: 5700 MHz
MAX dB= 1.8048 @ -180 Deg.
MIN dB= -26.55 @ -100 Deg.
dB Min/Max Delta = 28.355 dB

5700 MHZ Left: Azimuth cut @ 0° Elevation, Right: Elevation cut @ 0° Azimuth - Vertical Polarization