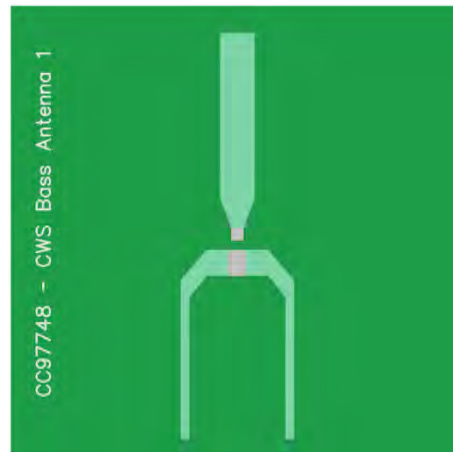


Ground independent, vertically polarized 2.4GHz dipole antenna for Bluetooth/WLAN applications.

Optimised for operation in free space.



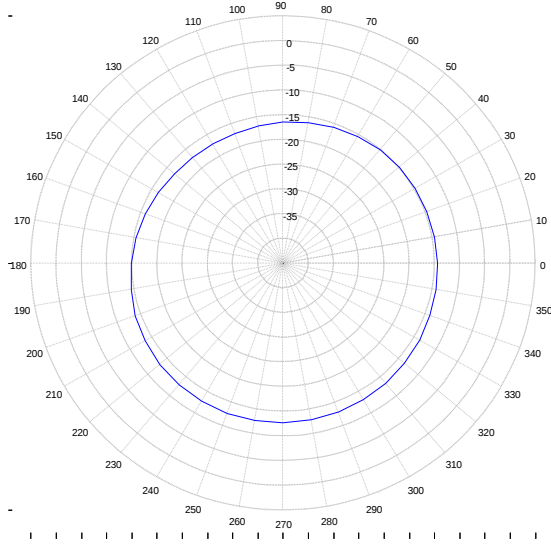
Specifications

Part Number	ZZ40924
Description	CWS Bass Antenna 1
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
Frequency	2.44GHz
VSWR	< 2
Cable Length	260 ±3mm
Cable Loss	0.9 dB
Peak Gain	2.2 dBi
Peak Gain with cable loss	1.3 dBi
Antenna PCB dimensions	52mm x 52mm x 1mm
Antenna element dimensions	~14mm x 47mm
PCB Material	FR4 TG ≥ 140

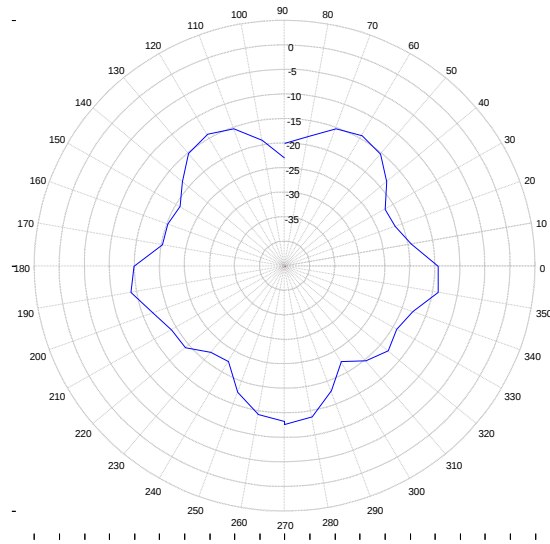
*Typical values when measured in free space.

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

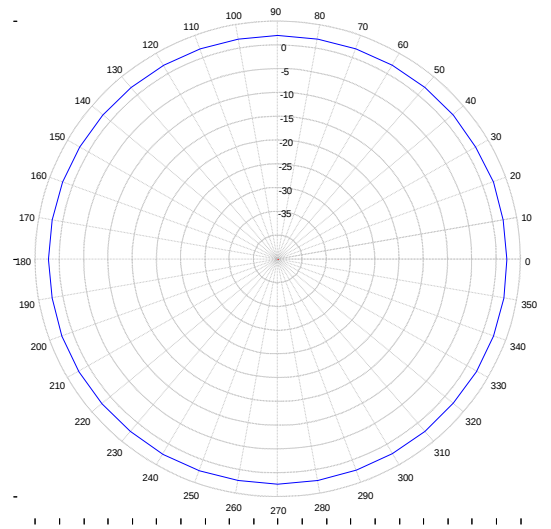


Name: .
Date/Time = 19/07/2023 07:59:22
Plot Scale: 5 dB/Div
Beamwidth: 262.7 Degrees
Frequency: 2439.718592964824 MHz
MAX dB= -12.67 @ 250 Deg.
MIN dB= -17.13 @ 120 Deg.
dB Min/Max Delta = 4.4602 dB

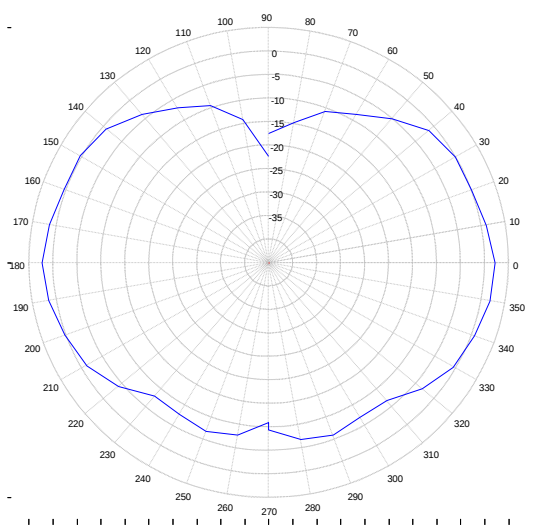


Name: .
Date/Time = 19/07/2023 08:00:13
Plot Scale: 5 dB/Div
Beamwidth: 38.67 Degrees
Frequency: 2439.718592964824 MHz
MAX dB= -12.69 @ -90 Deg.
MIN dB= -22.98 @ -270 Deg.
dB Min/Max Delta = 10.288 dB

2445MHz LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH - HORIZONTAL POLARIZATION



Name: .
Date/Time = 18/07/2023 15:31:37
Plot Scale: 5 dB/Div
Beamwidth: 360 Degrees
Frequency: 2439.718592964824 MHz
MAX dB= 2.3158 @ 200 Deg.
MIN dB= 1.9566 @ 90 Deg.
dB Min/Max Delta = 0.3592 dB



Name: .
Date/Time = 19/07/2023 07:57:12
Plot Scale: 5 dB/Div
Beamwidth: 67.18 Degrees
Frequency: 2439.718592964824 MHz
MAX dB= 2.2515 @ -180 Deg.
MIN dB= -22.32 @ -270 Deg.
dB Min/Max Delta = 24.576 dB

2445MHz LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH - VERTICAL POLARIZATION