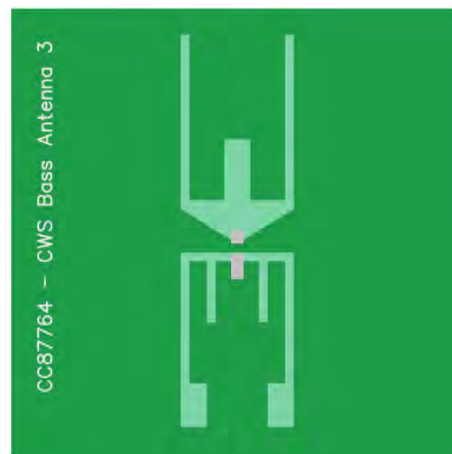


Ground independent, vertically polarized 2.4/6.5GHz dipole antenna for WLAN applications.

Optimised for operation in free space.



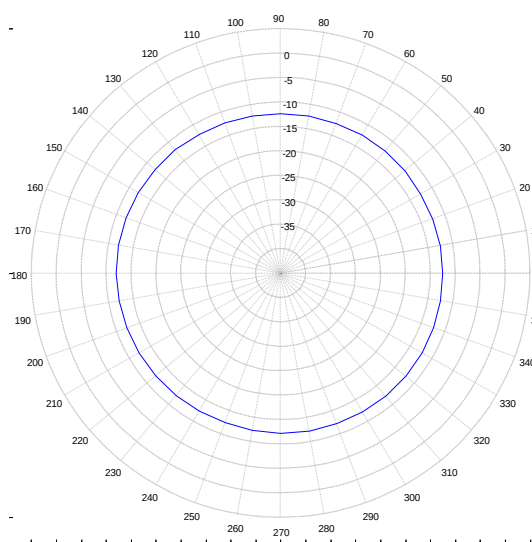
Specifications

Part Number	ZZ44814
Description	CWS Bass Antenna 3
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	2.44/6.5GHz
VSWR	< 2
Cable Length	210 ±3mm
Cable Loss	0.8/1.3 dB
Peak Gain*	2.1/2.4 dBi
Peak Gain with cable loss*	1.3/1.1 dBi
Antenna PCB dimensions	52mm x 52mm x 1mm
Antenna element dimensions	~14mm x 41mm
PCB Material	FR4 TG ≥ 140

*Typical values when measured in free space.

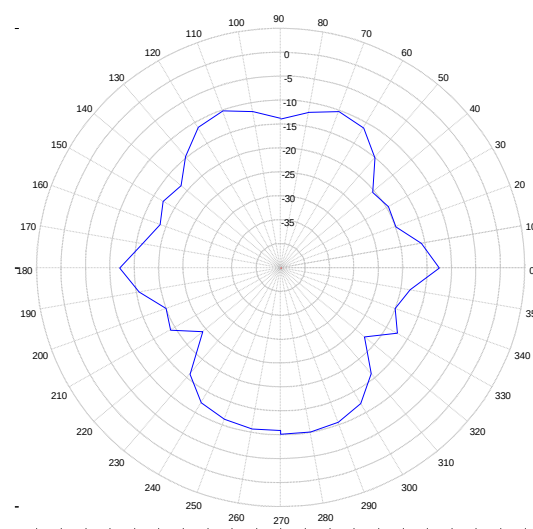
The materials provided are believed to be reliable and correct at the time of release. Radtenna Ltd. does not warrant the accuracy or completeness of the information No liability is assumed due to their use or application.

Data Sheet



Name: .
Date/Time = 19/07/2023 08:52:22
Plot Scale: 5 dB/Div
Beamwidth: 360 Degrees

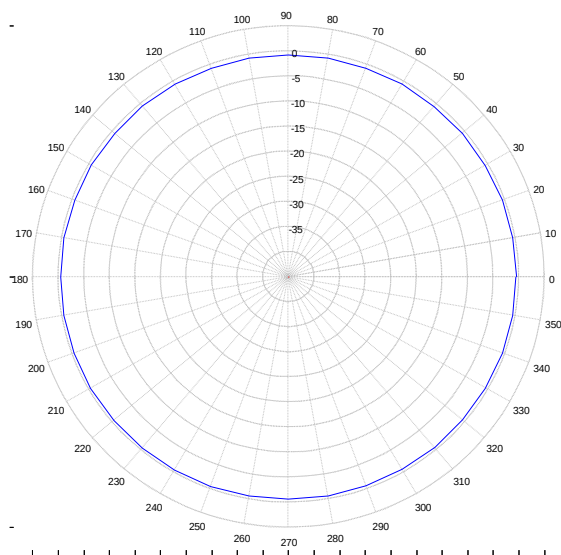
Frequency: 2439.718592964824 MHz
MAX dB= -11.93 @ 160 Deg.
MIN dB= -12.65 @ 360 Deg.
dB Min/Max Delta = 0.7178 dB



Name: .
Date/Time = 19/07/2023 08:53:32
Plot Scale: 5 dB/Div
Beamwidth: 73.97 Degrees

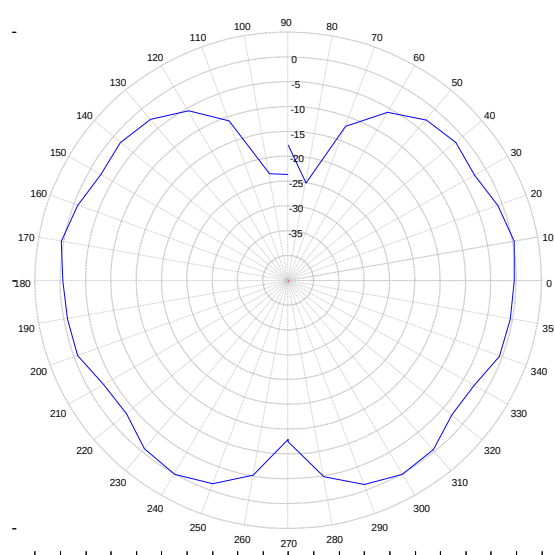
Frequency: 2439.718592964824 MHz
MAX dB= -10.09 @ -80 Deg.
MIN dB= -14.16 @ -140 Deg.
dB Min/Max Delta = 14.074 dB

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



Name: .
Date/Time = 19/07/2023 08:54:42
Plot Scale: 5 dB/Div
Beamwidth: 360 Degrees

Frequency: 2439.718592964824 MHz
MAX dB= -0.349 @ 200 Deg.
MIN dB= -0.788 @ 90 Deg.
dB Min/Max Delta = 0.4396 dB



Name: .
Date/Time = 19/07/2023 08:55:42
Plot Scale: 5 dB/Div
Beamwidth: 76.22 Degrees

Frequency: 2439.718592964824 MHz
MAX dB= 0.5396 @ -190 Deg.
MIN dB= -25.01 @ 80 Deg.
dB Min/Max Delta = 25.558 dB

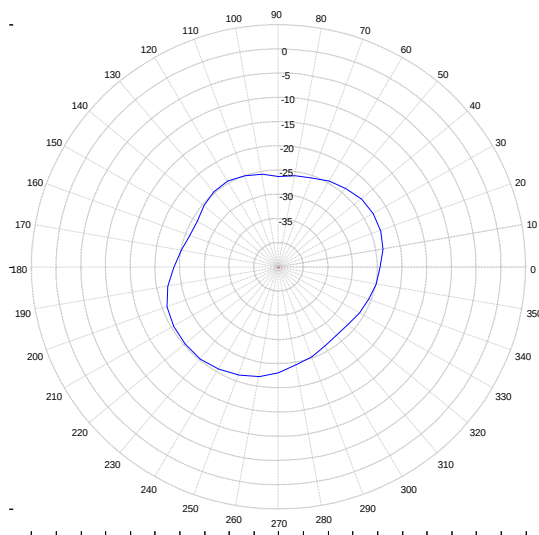
2445 MHz LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH - VERTICAL POLARIZATION

Radtenna Ltd. 26 Merley Lane, Wimborne, Dorset, BH21 1RY, UK
Company Number 10071667

www.radtenna.com

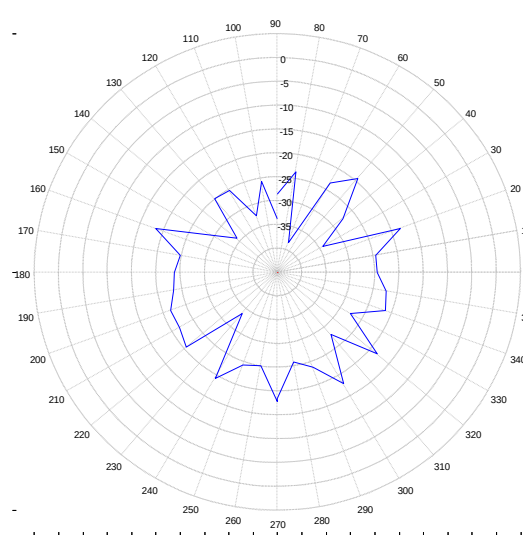
DS-RAD-B-2465-R6

Data Sheet



Name: .
Date/Time = 19/07/2023 09:48:46
Plot Scale: 5 dB/Div
Beamwidth: 86.23 Degrees

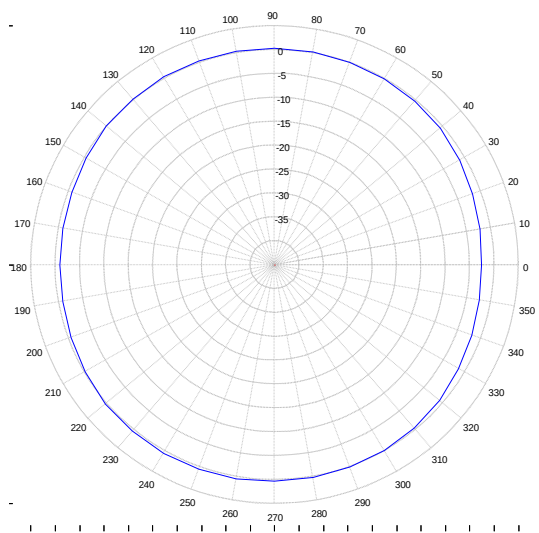
Frequency: 5655 MHz
MAX dB= -20.21 @ 220 Deg.
MIN dB= -26.66 @ 310 Deg.
dB Min/Max Delta = 6.4517 dB



Name: .
Date/Time = 19/07/2023 09:49:39
Plot Scale: 5 dB/Div
Beamwidth: 17.44 Degrees

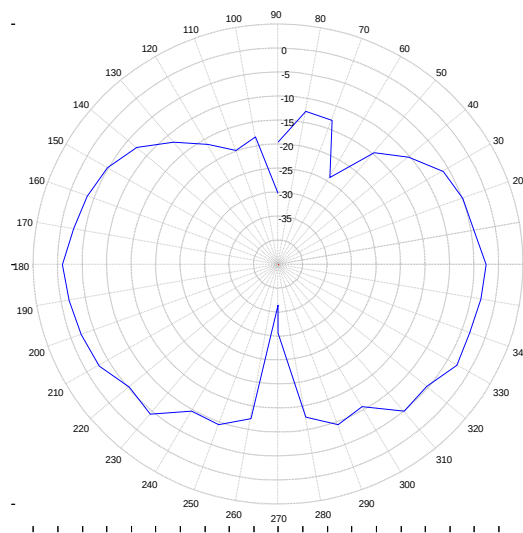
Frequency: 5655 MHz
MAX dB= -17.87 @ -90 Deg.
MIN dB= -38.45 @ 70 Deg.
dB Min/Max Delta = 20.585 dB

5650 MHz LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH - HORIZONTAL POLARIZATION



Name: .
Date/Time = 19/07/2023 09:51:41
Plot Scale: 5 dB/Div
Beamwidth: 349.0 Degrees

Frequency: 5655 MHz
MAX dB= 0.5096 @ 240 Deg.
MIN dB= -2.589 @ 0 Deg.
dB Min/Max Delta = 3.0993 dB



Name: .
Date/Time = 19/07/2023 09:52:24
Plot Scale: 5 dB/Div
Beamwidth: 58.88 Degrees

Frequency: 5655 MHz
MAX dB= -0.999 @ -180 Deg.
MIN dB= -36.47 @ -90 Deg.
dB Min/Max Delta = 35.477 dB

5650 MHz LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH – VERTICAL POLARIZATION