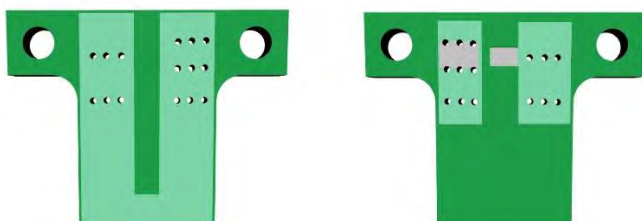


Horizontally polarized 2.4GHz Slot antenna for BT applications.



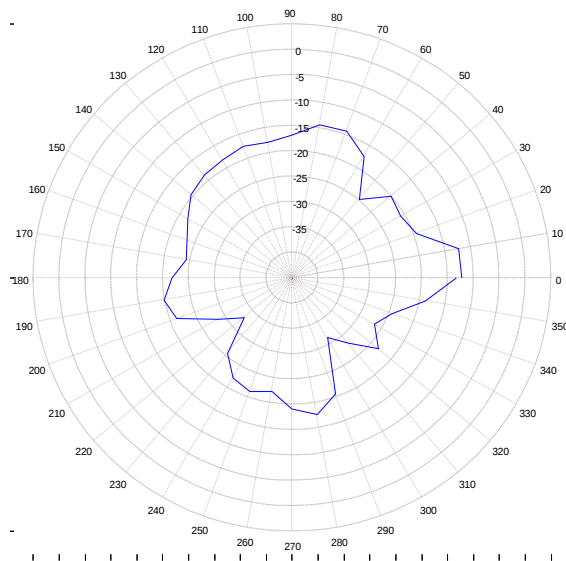
Specifications

Part Number	ZZ45640
Description	CWS Flex Antenna 1
Antenna type	Slot
Connector Type	Hirose U.FL(A)-LP(P)-088
Cable Type	Ø 1.37 Low loss
Impedance	50 Ohms
Polarization	Linear - Horizontal
Radiation Pattern	Directional
Center Frequency	2.4GHz
VSWR	< 2
Cable Length	190 ±5mm
Cable Loss	0.4 dB
Peak Gain*	1.8 dBi
Peak Gain with cable loss*	1.4 dBi
Antenna PCB dimensions	17 ±0.3mm x 22mm ±0.3mm 0.8± 0.1mm
Antenna dimensions (Slot)	67mm x 2mm
PCB Material	FR4 TG ≥ 140

**Note: Gain values are only valid when PCB is installed on heatsink*

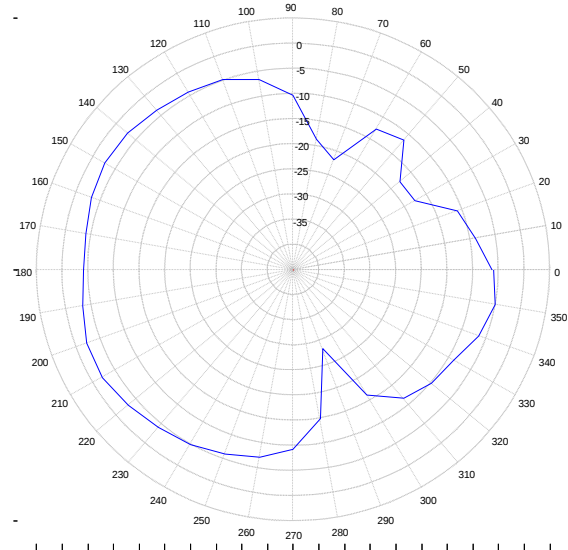
The materials provided are believed to be reliable and correct at the time of release. Radtenna Ltd. does not warrant the accuracy or completeness of the information No liability is assumed due to their use or application.

Data Sheet



Name: .
Date/Time = 18/11/2024 15:46:53
Plot Scale: 5 dB/Div
Beamwidth: 17.37 Degrees

Frequency: 2444.721105527638 MHz
MAX dB= -12.20 @ 0 Deg.
MIN dB= -32.81 @ 220 Deg.
dB Min/Max Delta = 20.609 dB



Name: .
Date/Time = 18/11/2024 15:54:58
Plot Scale: 5 dB/Div
Beamwidth: 132.9 Degrees

Frequency: 2449.723618090452 MHz
MAX dB= -2.052 @ 210 Deg.
MIN dB= -28.29 @ 290 Deg.
dB Min/Max Delta = 26.240 dB

Note: Polar plots are only valid when PCB is installed on heatsink

LEFT: ELEVATION CUT – LEFT: VERTICAL POLARIZATION, RIGHT: HORIZONTAL POLARIZATION @2.44 GHZ

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.