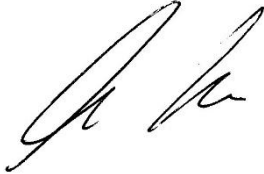


Tested by: Andy Knowles

Company: Radtenna Ltd.

Signature: 

Date: 22nd June 2026

Description

Embedded monopole flex antenna fitted to the underside of the plastic top cover of the Atlas 1 device.

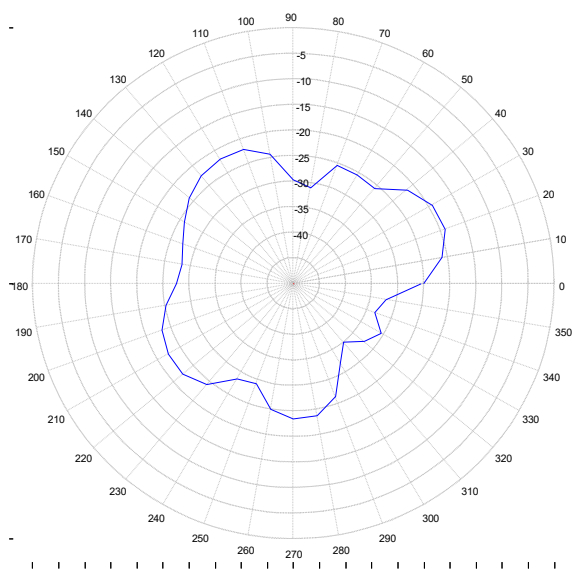
Specifications

Part Number	Atlas1-250602
Version	1.1
Antenna type	Monopole
Connector Type	Spring
Impedance	50 Ohms
Polarization	Linear
Radiation Pattern	Omnidirectional
Center Frequency	2.44GHz
Frequency Range	2.4 – 2.48 GHz
Radiation Efficiency*	8%
Peak Gain*	-6.4 dBi
Antenna element dimensions	~12mm x 12mm

*Typical values

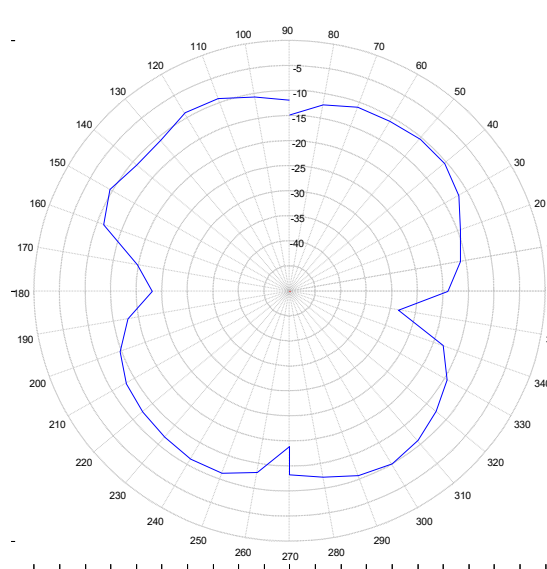
The materials provided are believed to be reliable and correct at the time of release. Radtenna Ltd. does not warrant the accuracy or completeness of the information No liability is assumed due to their use or application.

Data Sheet



Name: .
Date/Time = 16/06/2026 10:15:26
Plot Scale: 5 dB/Div
Beamwidth: 33.87 Degrees

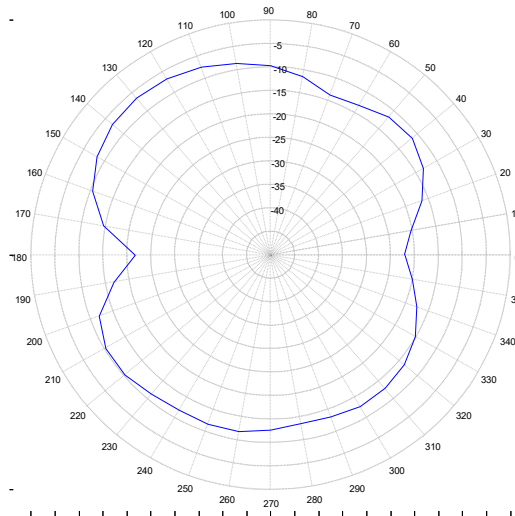
Frequency: 2426 MHz
MAX dB= -19.08 @ 20 Deg.
MIN dB= -35.03 @ 310 Deg.
dB Min/Max Delta = 15.949 dB



Name: .
Date/Time = 16/06/2026 10:15:55
Plot Scale: 5 dB/Div
Beamwidth: 61.16 Degrees

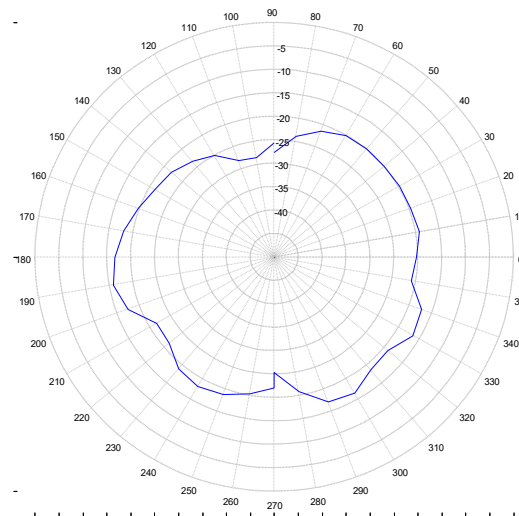
Frequency: 2426 MHz
MAX dB= -8.980 @ -240 Deg.
MIN dB= -28.46 @ -10 Deg.
dB Min/Max Delta = 19.479 dB

2426 MHz LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH – HORIZONTAL POLARIZATION



Name: .
Date/Time = 16/06/2026 10:14:02
Plot Scale: 5 dB/Div
Beamwidth: 62.32 Degrees

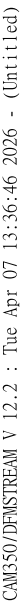
Frequency: 2426 MHz
MAX dB= -6.410 @ 130 Deg.
MIN dB= -22.20 @ 0 Deg.
dB Min/Max Delta = 15.789 dB



Name: .
Date/Time = 16/06/2026 10:14:34
Plot Scale: 5 dB/Div
Beamwidth: 37.66 Degrees

Frequency: 2426 MHz
MAX dB= -15.82 @ -170 Deg.
MIN dB= -28.49 @ -260 Deg.
dB Min/Max Delta = 12.669 dB

2426MHz LEFT: AZIMUTH CUT @ 0° ELEVATION, RIGHT: ELEVATION CUT @0° AZIMUTH - VERTICAL POLARIZATION



Copper Layer Count:	2	Board Thickness:	0.25 mm
Board overall dimensions:	12.4 mm x 12.5 mm		
Min track/spacing:	0.1500 mm / 0.1500 mm	Min hole diameter:	0.1500 mm
Copper Finish:	ENIG	Impedance Control:	No
Castellated pads:	No	Plated Board Edge:	No
Edge card connectors:	No		

Manufacturer: SHENZHEN ZHIBOXING TECHNOLOGY CO.,LTD

Address: shenzhen Baoan Distriot manhole Yoad Cemter City JinDa Buitding 11 Building2