

2.4GHz Antenna Datasheet

Specifications

Specifications	Value
Antenna Type	PCB Trace
Nominal Impedance	50 Ohms
Frequency Range	2400 – 2483.5 MHz
Connector Type	PCB Printed

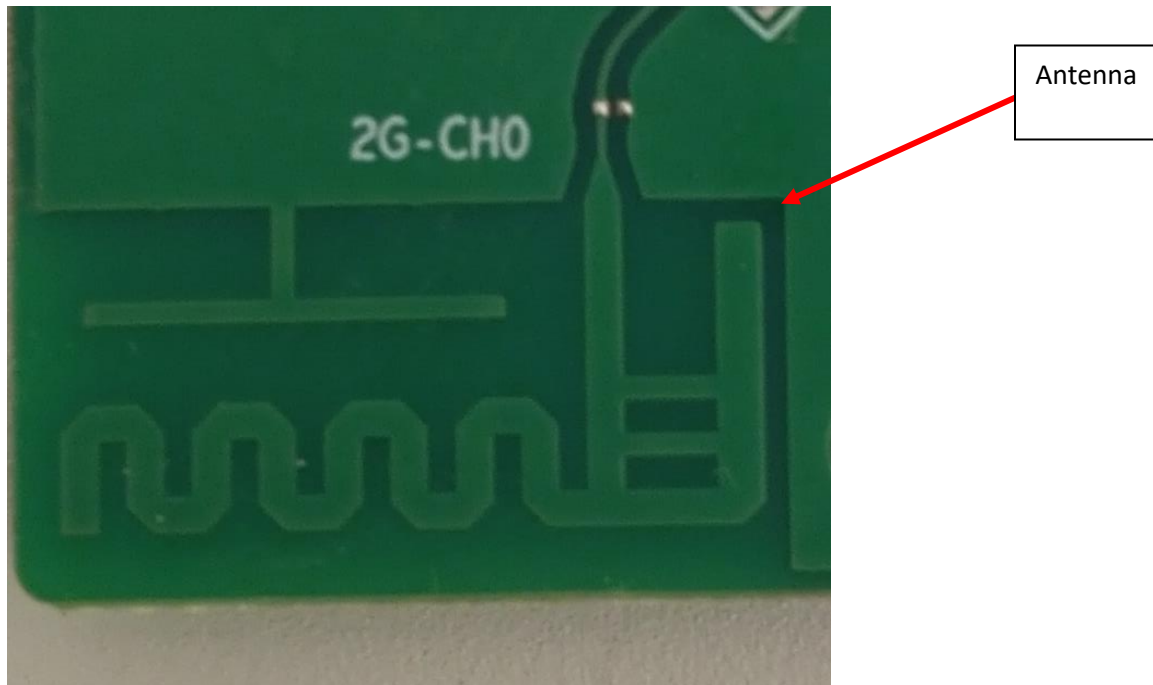
Antenna Description

The Falcon 6GHz uses a PCB Trace Antenna for 2400-2483.5MHz. The antenna is printed directly onto the pc board.

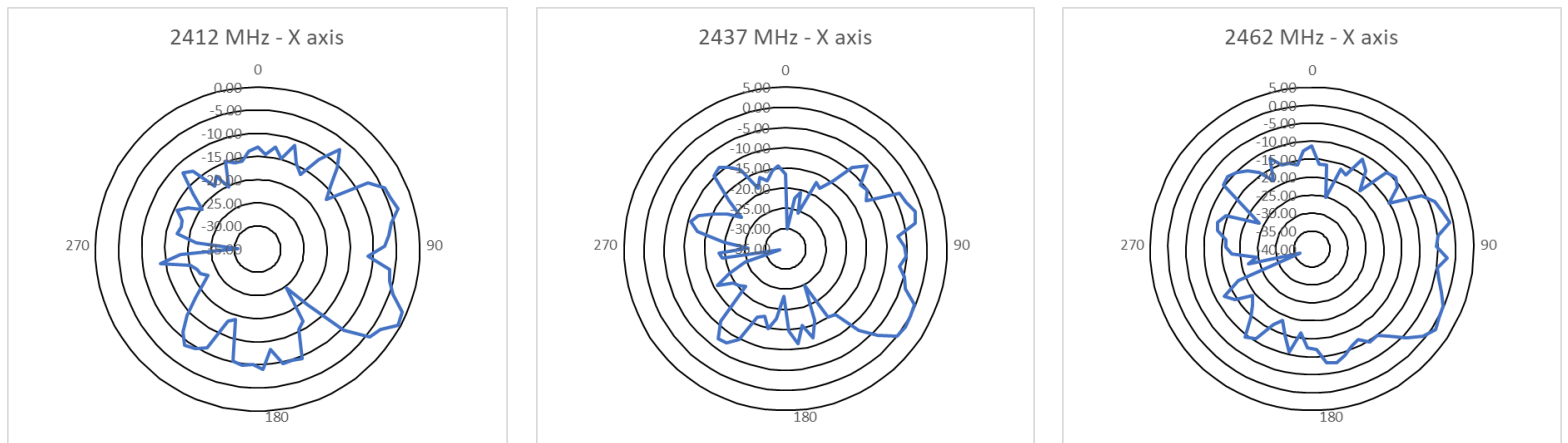
Physical Dimensions

20 mm (width) x 16 mm (length) x 0.8mm (thickness)

Picture



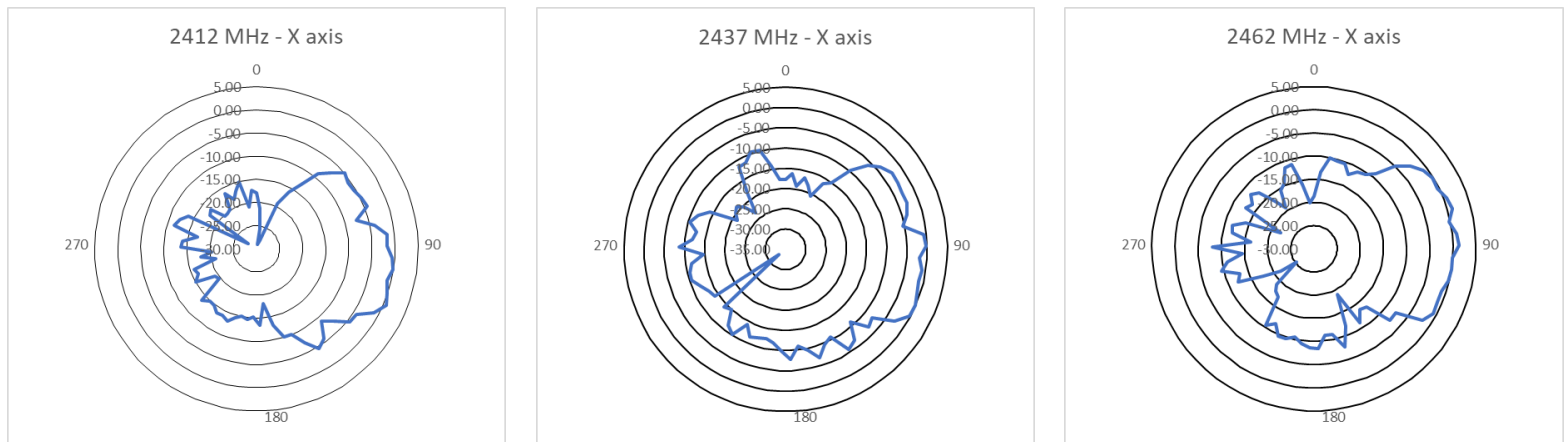
Antenna Horizontal, X Polar Plots, 2.4 GHz



Antenna Gain, X Axis, Receiving Antenna Horizontal

Frequency (MHz)	2412	2437	2462
Gain [dBi]	-0.48	0.42	1.04

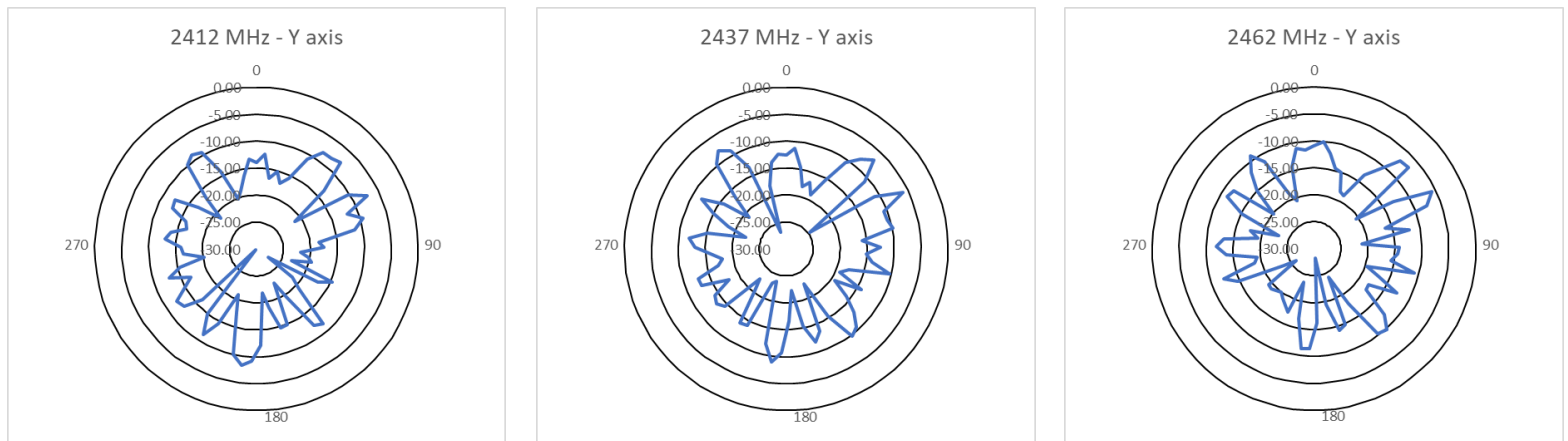
Antenna Vertical, X Polar Plots, 2.4 GHz



Antenna Gain, X Axis, Receiving Antenna Vertical

Frequency (MHz)	2412	2437	2462
Gain [dBi]	0.56	0.03	1.39

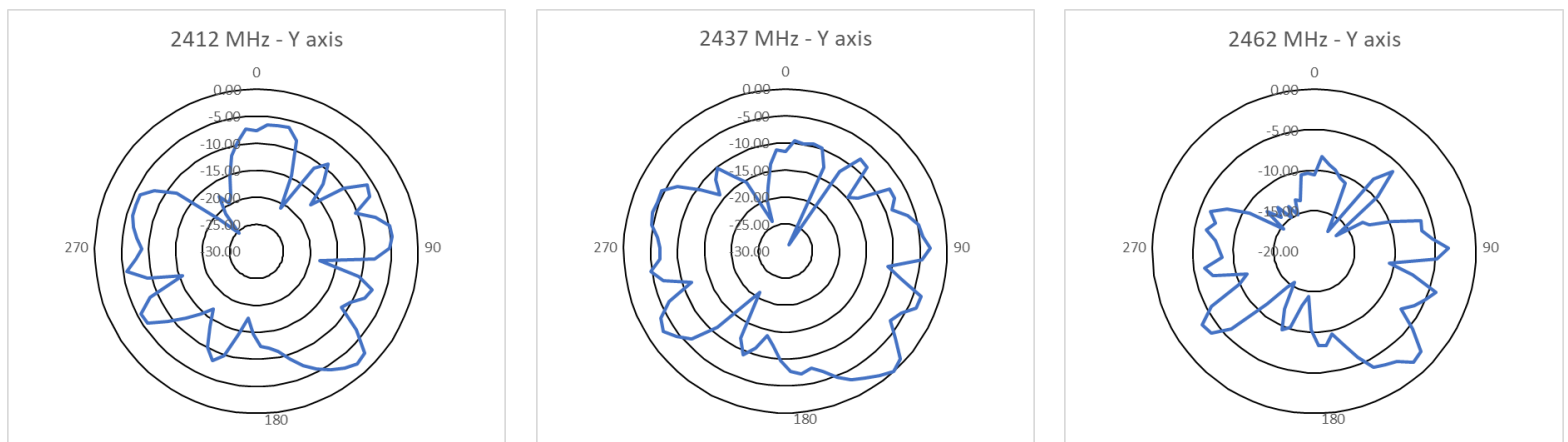
Antenna Horizontal, Y Polar Plots, 2.4 GHz



Antenna Gain, Y Axis, Receiving Antenna Horizontal

Frequency (MHz)	2412	2437	2462
Gain [dBi]	-7.22	-5.96	-5.73

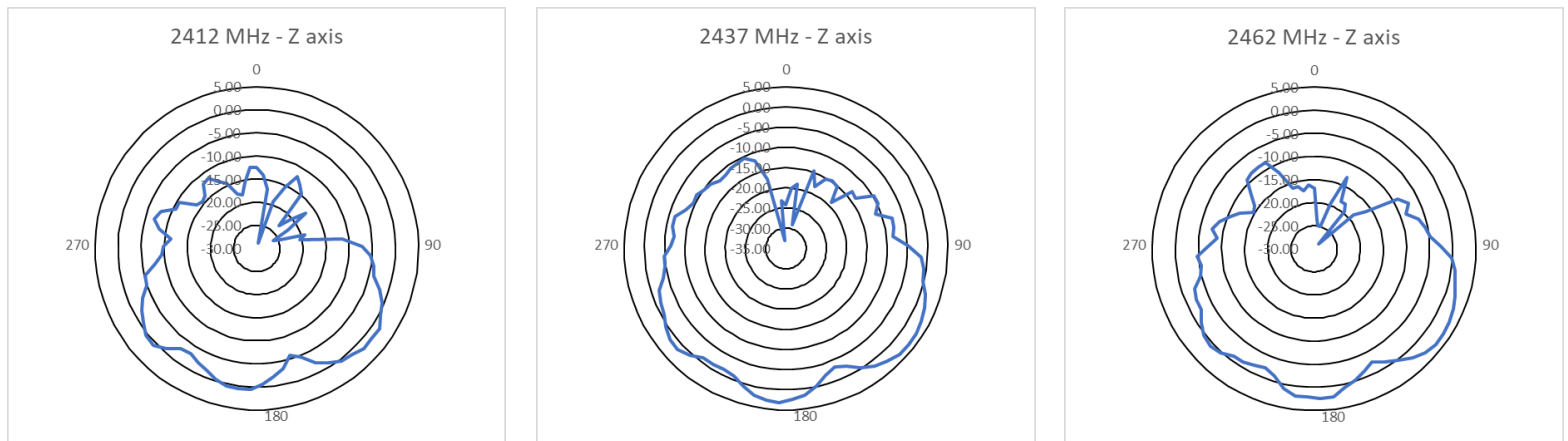
Antenna Vertical, Y Polar Plots, 2.4 GHz



Antenna Gain, Y Axis, Receiving Antenna Vertical

Frequency (MHz)	2412	2437	2462
Gain [dBi]	-1.98	0.00	-1.60

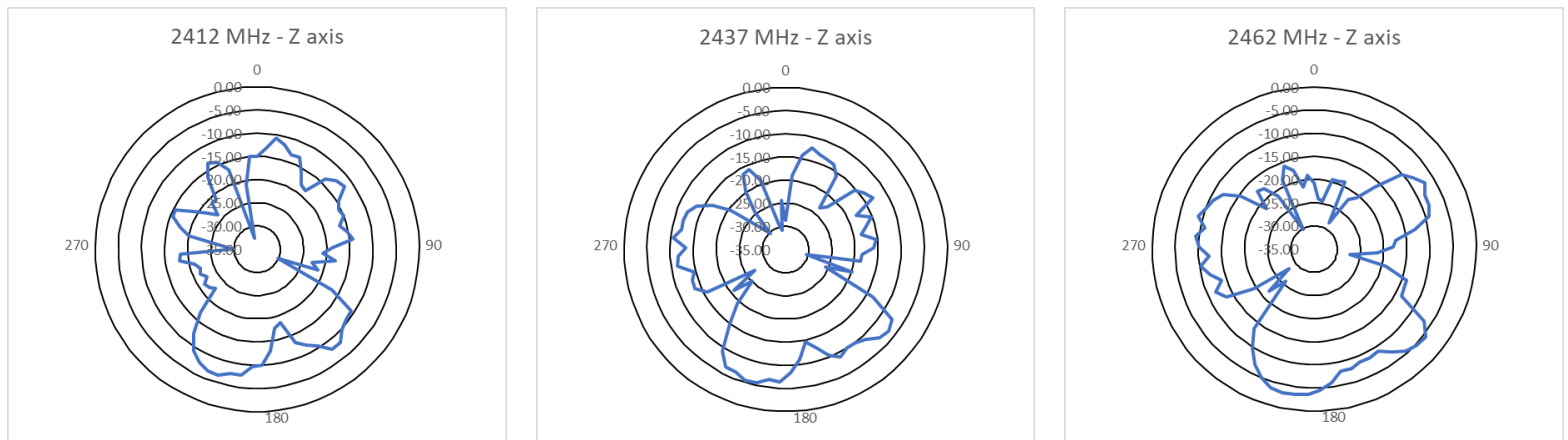
Receiving Antenna Horizontal, Z Polar Plots, 2.4 GHz



Antenna Gain, Z Axis, Receiving Antenna Horizontal

Frequency (MHz)	2412	2437	2462
Gain [dBi]	1.78	3.57	3.60

Receiving Antenna Vertical, Z Polar Plots, 2.4 GHz



Antenna Gain, Z Axis, Receiving Antenna Vertical

Frequency (MHz)	2412	2437	2462
Gain [dBi]	-6.63	-5.53	-3.15