

Antenna Specification Sheet (2400–2500 MHz)

1. Overview

Model: Example PCB Antenna

Frequency Range: 2400–2500 MHz

Impedance: 50 Ω

2. Electrical Characteristics (Typical)

Frequency Range: 2400–2500 MHz

VSWR: $\leq 3:1$ (typical)

Return Loss (S11): ≤ -6 dB (typical)

Peak Gain: 0.4 dBi @ 2440 MHz

Average In-band Gain: -1.0 to +0 dBi

Polarization: Linear

Radiation Pattern: Near-omnidirectional (layout dependent)

3. Mechanical Information

Structure: PCB Trace / Meander Type

Mounting: PCB Surface

4. Environmental

Operating Temperature: -40°C to +85°C

Storage Temperature: -40°C to +90°C

5. Gain vs Frequency

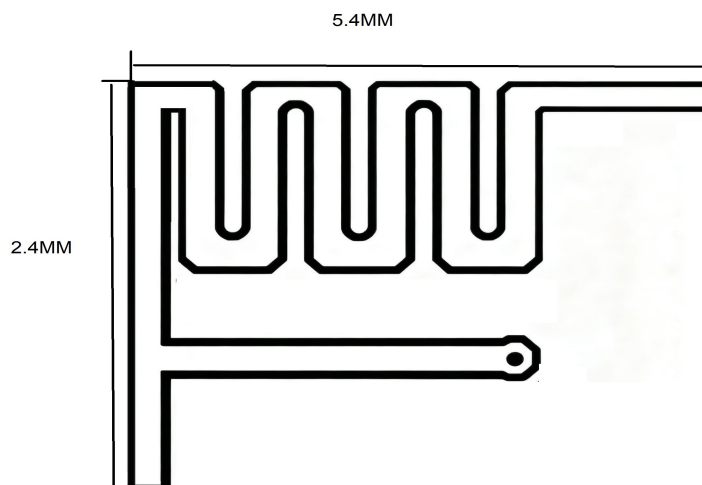
The following figure shows the simulated/typical gain curve from 2400 to 2500 MHz.

6. Manufacturer:

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Frequency (MHz)

Gain (dBi)

2400	-1
2405	-1
2410	-1
2415	-1
2420	-0.99
2425	-0.96
2430	-0.83
2435	-0.41
2440	0.4
2445	-1.35
2450	-1.8
2455	-1.35
2460	0.0
2465	-0.41
2470	-0.83
2475	-0.96
2480	-0.99
2485	-1
2490	-1
2495	-1
2500	-1

