



Zebra Technologies Corporation

P1140264-101 Antenna SPECIFICATION

Antenna Manufacturer Name	Zebra Technologies
Address	Lincolnshire, IL - Corporate Headquarters 3 Overlook Point Lincolnshire, Illinois 60069
P/N:	P1140264-101
Manufacture P/N:	P1140264-101
Test Date	07/19/2025
DATASHEET REVISION	v01



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RF Engineer II

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Test Engineer:



Description of Antenna

Frequency Range	2400~2484MHz
Impedance	50 Ω
Peak Gain	-19.3814 dBi @ 2408 MHz (tested in SL50 chamber)
Antenna type	Bluetooth chip antenna
Manufacturing Process	MLCC

Antenna Return Loss:





Antenna Peak Gain:

Frequency (MHz)	Avg Gain (%)*	Peak Gain (dBi)
2402	24.7731528	-19.38824457
2408	24.3630449	-19.3814
2441	23.0125523	-20.78213637
2480	22.9733578	-22.10119915

*Avg Gain % was calculated in Linear Scale ($\% = [\text{avg}(\text{lin}) - \text{min}(\text{lin})] / [\text{max}(\text{lin}) - \text{min}(\text{lin})] * 100$)

Antenna 3D Radiation Pattern:

