

Laird Connectivity  
 50 S. Main St. Suite 1100

Akron, OH 44308 USA

The 451-00001 on-board PCB trace monopole antenna radiated performance depends on the host PCB layout.

The BL654 development board was used for BL654 development and the 451-00001 PCB antenna performance evaluation. To obtain similar performance, follow guidelines in section *PCB Layout on Host PCB for the 451-00001* to allow the on-board PCB antenna to radiate and reduce proximity effects due to nearby host PCB GND copper or metal covers.

Unit in dBi @2440MHz	XY-plane		XZ-plane		YZ-plane	
	Peak	Avg	Peak	Avg	Peak	Avg
451-00001 PCB trace antenna	-1.05	-5.13	-2.49	-5.63	-1.51	-7.43

