

Rosemount RM2642 BLE Radio Module Antenna Information

All available Rosemount RM2642 Bluetooth Low Energy radio modules use the same antenna. The antenna is an inverted-F PCB trace with a measured gain in report EMPM0206.0 of -0.60 dBi. Additional antenna pattern data and details are available in our documentation package. In order to ensure compliance with FCC 15.203, additional antennas are not able to be installed with the product. There are no other radio output attachment points on the PCB between the radio chip and the printed antenna without significant modification to the circuit board itself. Users will not be able to modify this board without significant product teardown beyond what could be considered normal, even in service. There is no practical option to use alternative antennas.

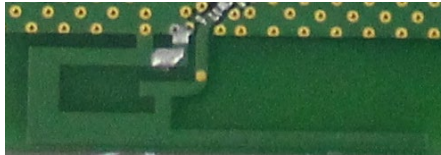


Fig 1: Inverted F PCB Trace Antenna