

15 December 2023
 EMR303 Antenna Statement

The Emerson EMR303 Bluetooth LE module uses an on-board PCB trace antenna with a measured gain of less than +3.0dBi. The antenna is permanently connected to the radio. The antenna dimensions are found below.

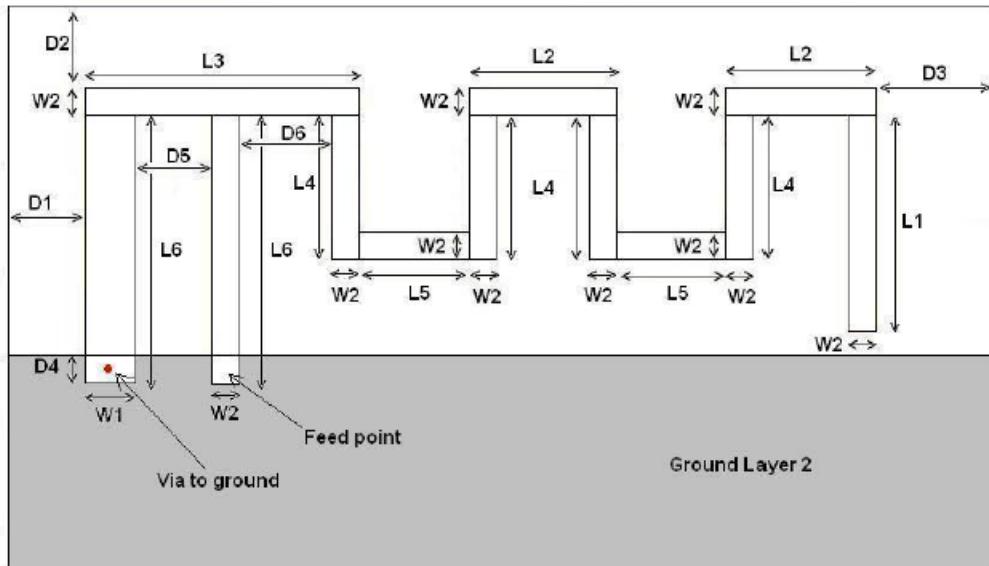


Figure 3: Antenna Dimensions

L1	3.94 mm
L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	0.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

Table 1: Antenna Dimensions