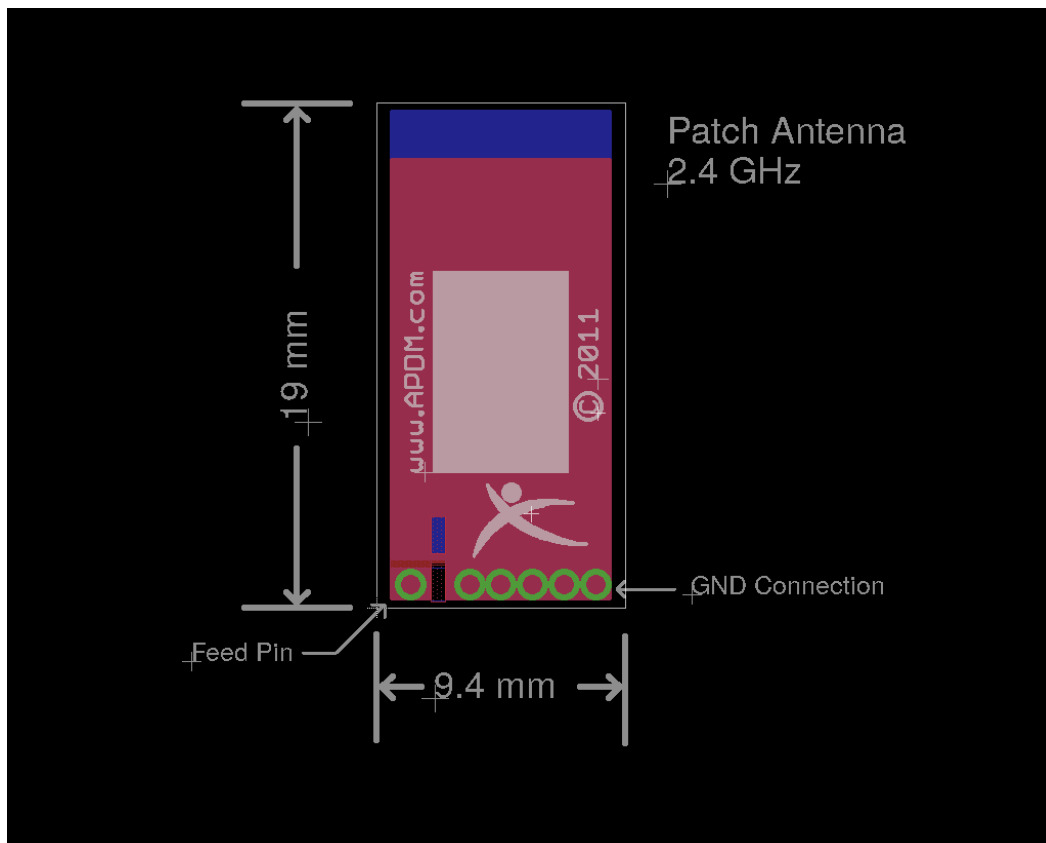


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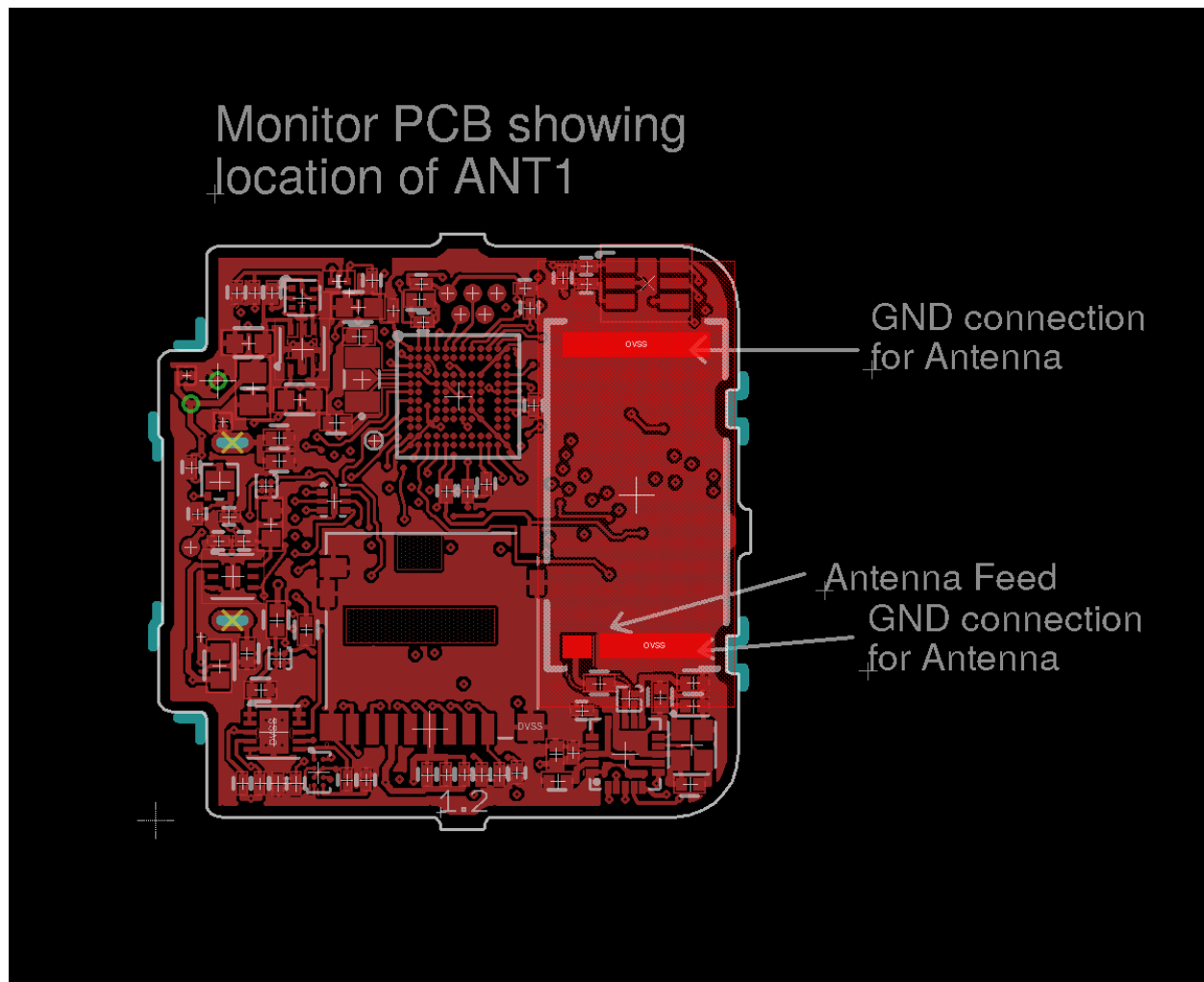
Opal v1 Antenna Information

The antenna used within the monitor v1 is a custom patch antenna. The antenna is permanently soldered to the monitor board, thus ensuring compliance with FCC 15.203. The frequency of the antenna is 2.4 GHz. The antenna is a PCB constructed on controlled dielectric substrate material. The topside of the monitor board acts as the ground plane to the antenna. The antenna has a design gain of 3 dB

Drawings showing the patch antenna and location:



Drawing showing the V1 patch antenna. The blue layer is the ground layer on the bottom that is soldered to the monitor board while the red layer is the radiating patch antenna.



Topside of the monitor v1 board showing the location of the patch antenna as well as the feed point.