

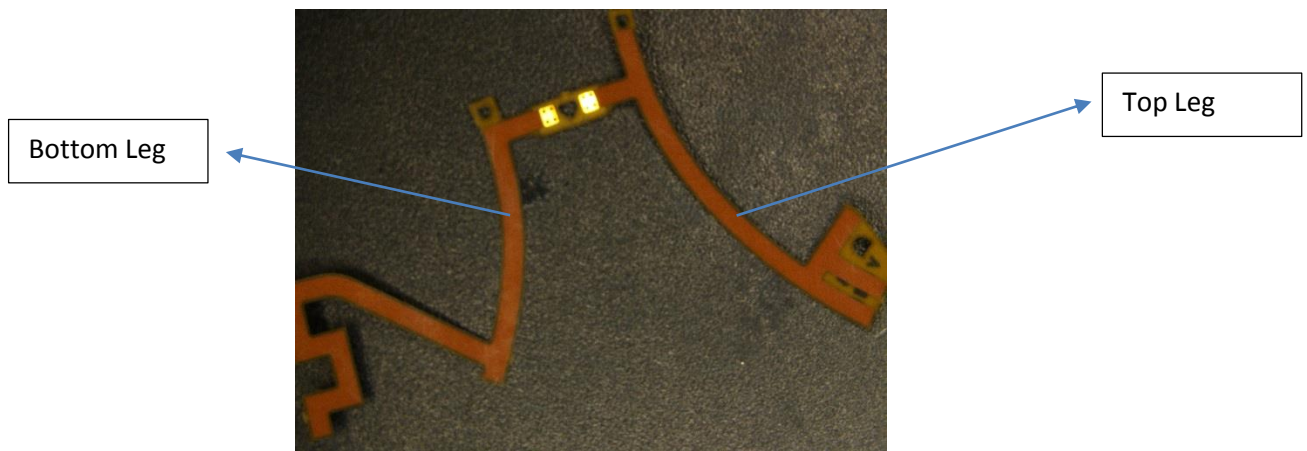
# Antenna Description

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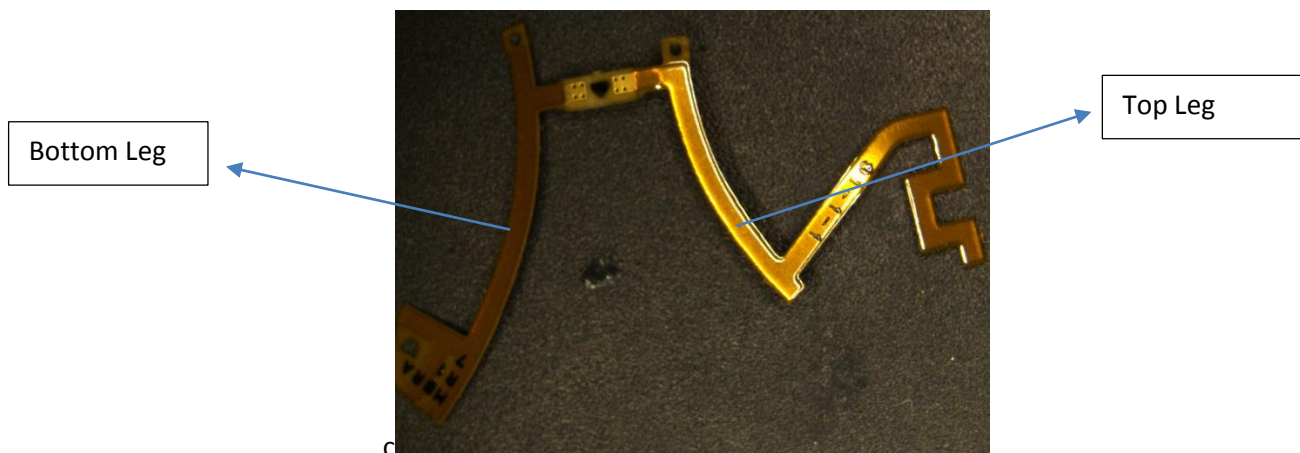
The antenna is an asymmetric dipole. The antenna is constructed on a polyimide flexible circuit. The flexible circuit uses 1 ounce copper (1.4 mil).

The top leg is 15.75 mm at the longest with an inverted - L shaped stub attached at the end of the top leg. The inverted L measures 1.7 mm and 2.2 mm extended at 0.35 mm away from the top leg. The bottom leg measures 10.27 mm and meanders downward in to the device with 7.98 mm meander length and has a 'U' shape at the end of the leg measuring 8.94 mm making the total length of the bottom leg 27 mm.

The peak gain of the antenna in the assembled DUT is  $-3.9$  dBi.



Back side



Front side

Figure 1 2.4 GHz Antenna

Antenna top leg and bottom leg separated

