

# Antenna Description

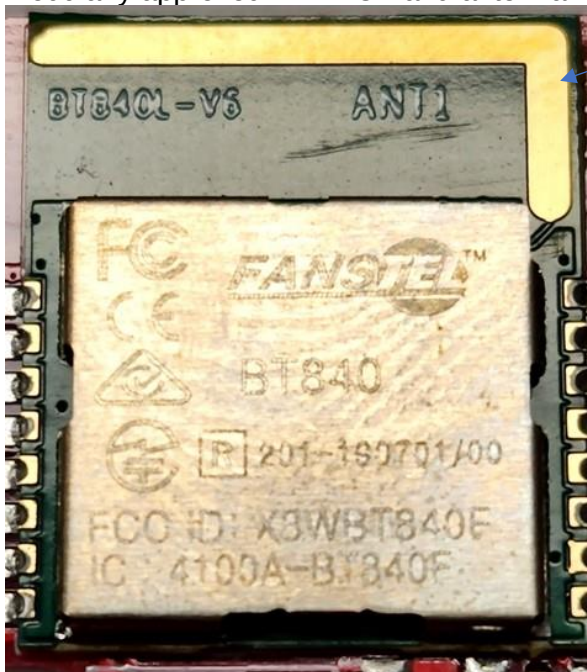
| Antenna information |                                                                                       |
|---------------------|---------------------------------------------------------------------------------------|
| 125 kHz antenna:    | Size: 48.0mm X 26.0 mm; Turns: 93; Type: Loop                                         |
| 13.56 MHz Antenna:  | Size: 58.5mm X 36.5mm; Turns: 3; Type: Loop                                           |
| 2.4 GHz Bluetooth   | Type: PCB trace; L shape 13 x 5mm<br>Gain = 0.34 dBi as specified by the manufacturer |

## Internal Antenna Photographs

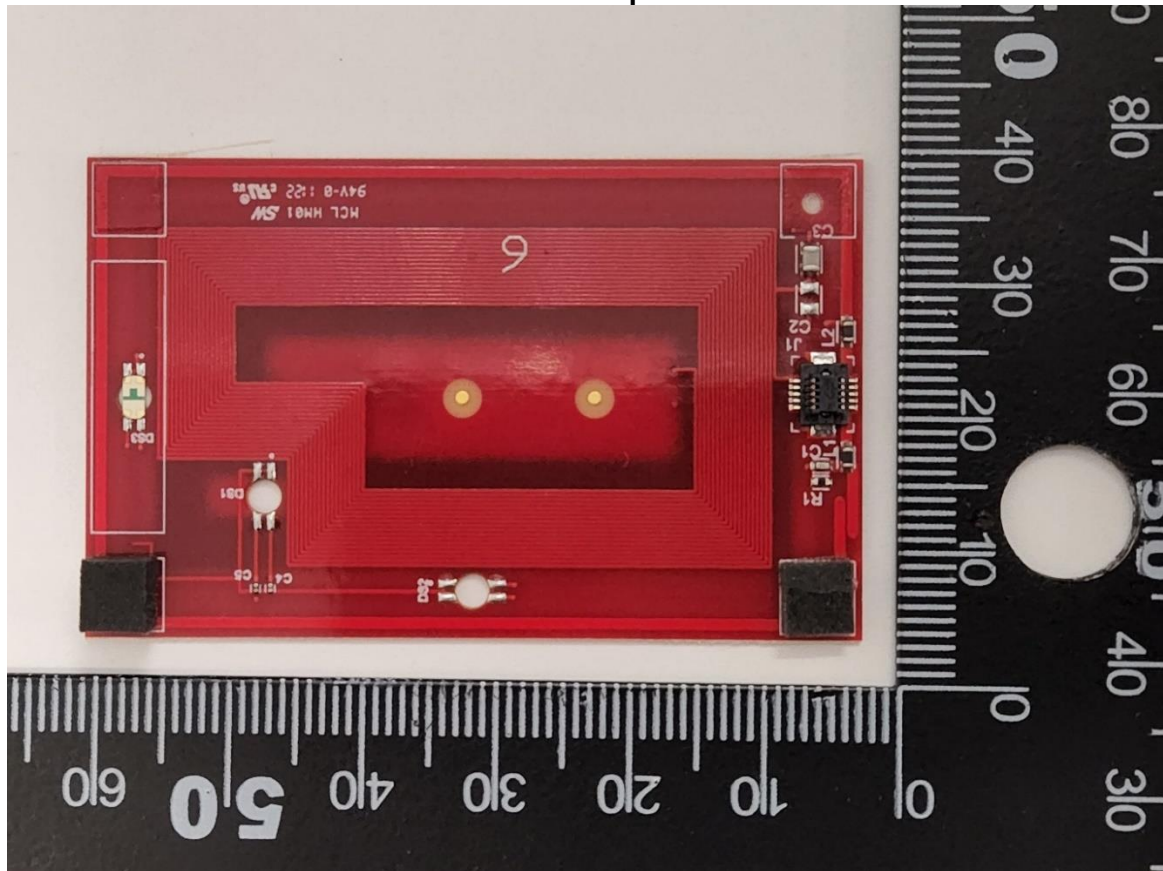
### Model Numbers:

RDR-30531EKU, RDR-30031EKU, RDR-30531EKU-NT20, RDR-30531EKU-SFT, RDR-30532EKU, RDR-30031EKU-SFT, RDR-30032EKU, RDR-30M31EKU, RDR-30M31EKU-TSLA, OEM-30MN11KU-V3-TSLA, and OEM-30MN11KU-V3-S will have same antennas

Modularly approved BLE PCB and antenna. L shaped monopole:



Antenna -Top Side



Antenna-Bottom Side

