

EEC133 Lab 3 Report

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Pre-lab

Questions

- (1) $W = 20\text{mm}$. $L = 30\text{mm}$.
- (2)
- (3)
- (4) (a) Return Loss from 2 to 3 GHz

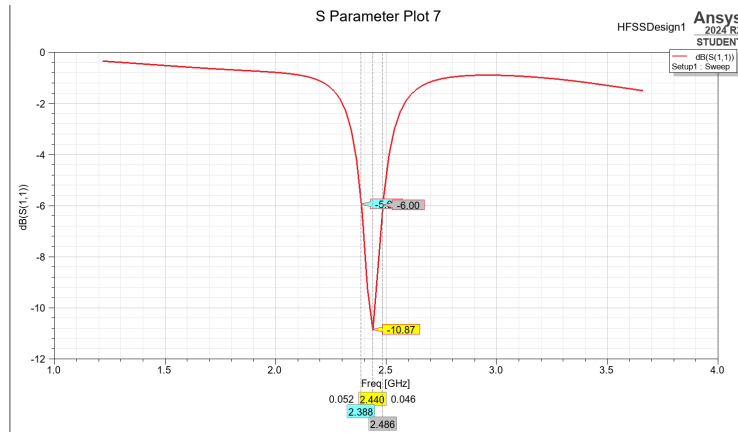


Figure 1: $S_{1,1}$ of Patch Antenna

- (b) The bandwidth is in the range of 2.388 to 2.486 GHz. The antenna will work as a bluetooth antenna because the bandwidth is greater than the bluetooth bandwidth, 2.402-2.48 GHz,
- (c)