

Antenna Specification and Pattern Diagram

Type of Antenna: PCB Trace / Microstrip

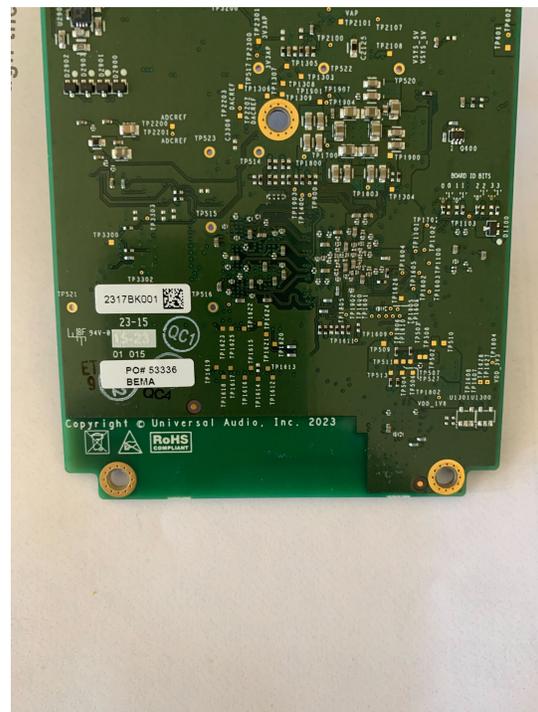
Pattern: Monopole

Antenna Peak Gain (dBi): 0 dBi

Frequency Covered by the Antenna: 2.400 - 2.480GHz

Linear and/or Vertical: Linear

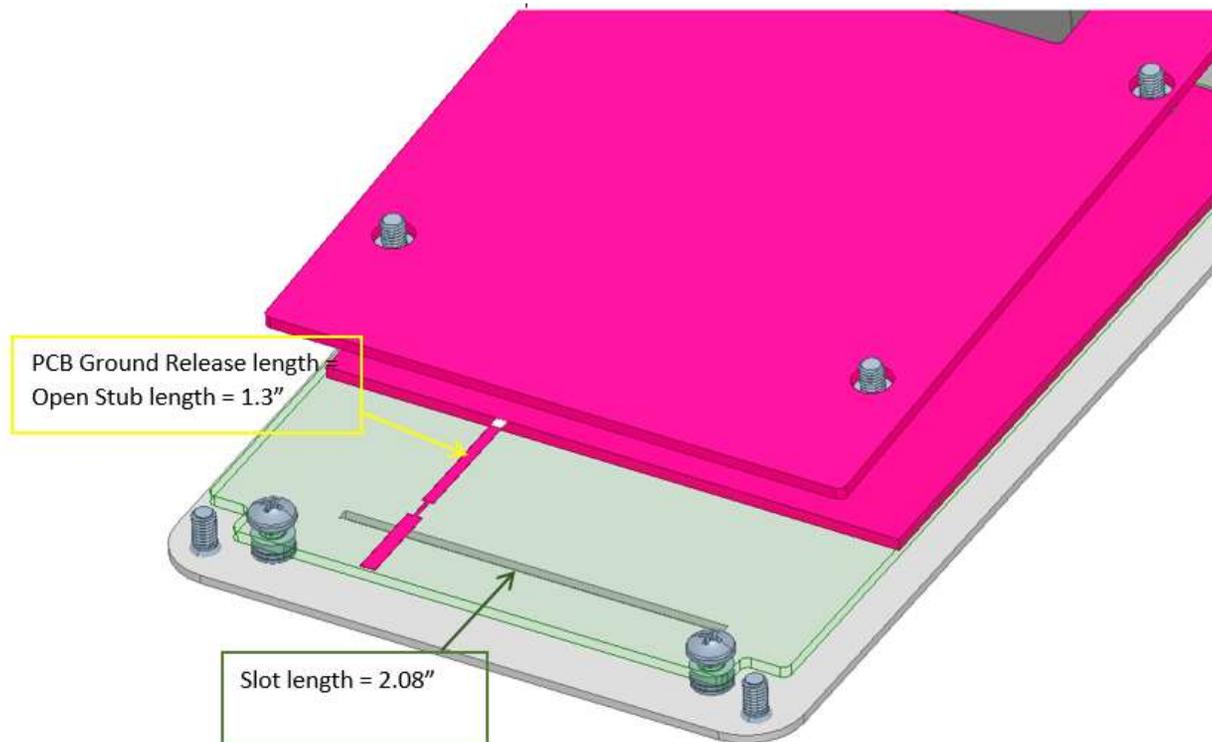
Dimension of the Antenna Withdrawing (or close-up photo):



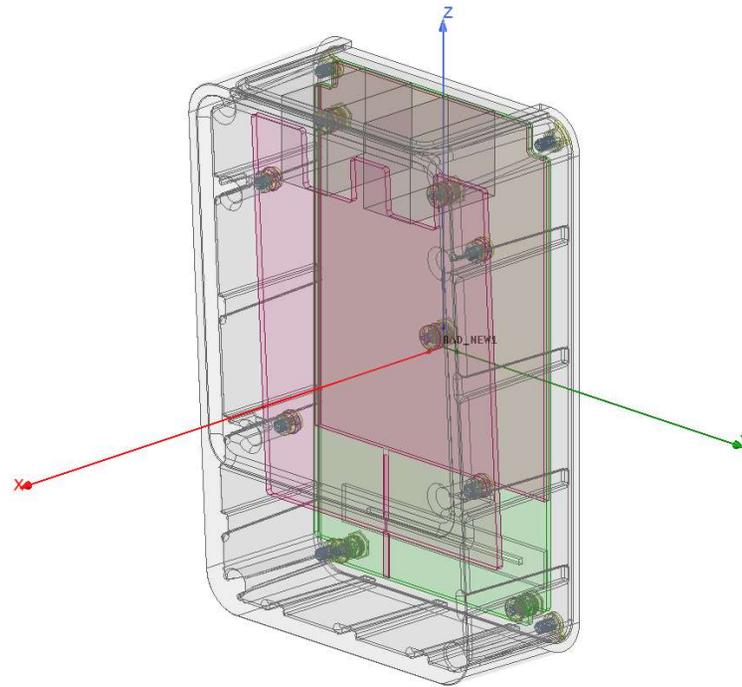
Emperor, Queen, and Kaiser Bluetooth Antenna Design & Simulation

January 10, 2023

Slot Antenna Configuration



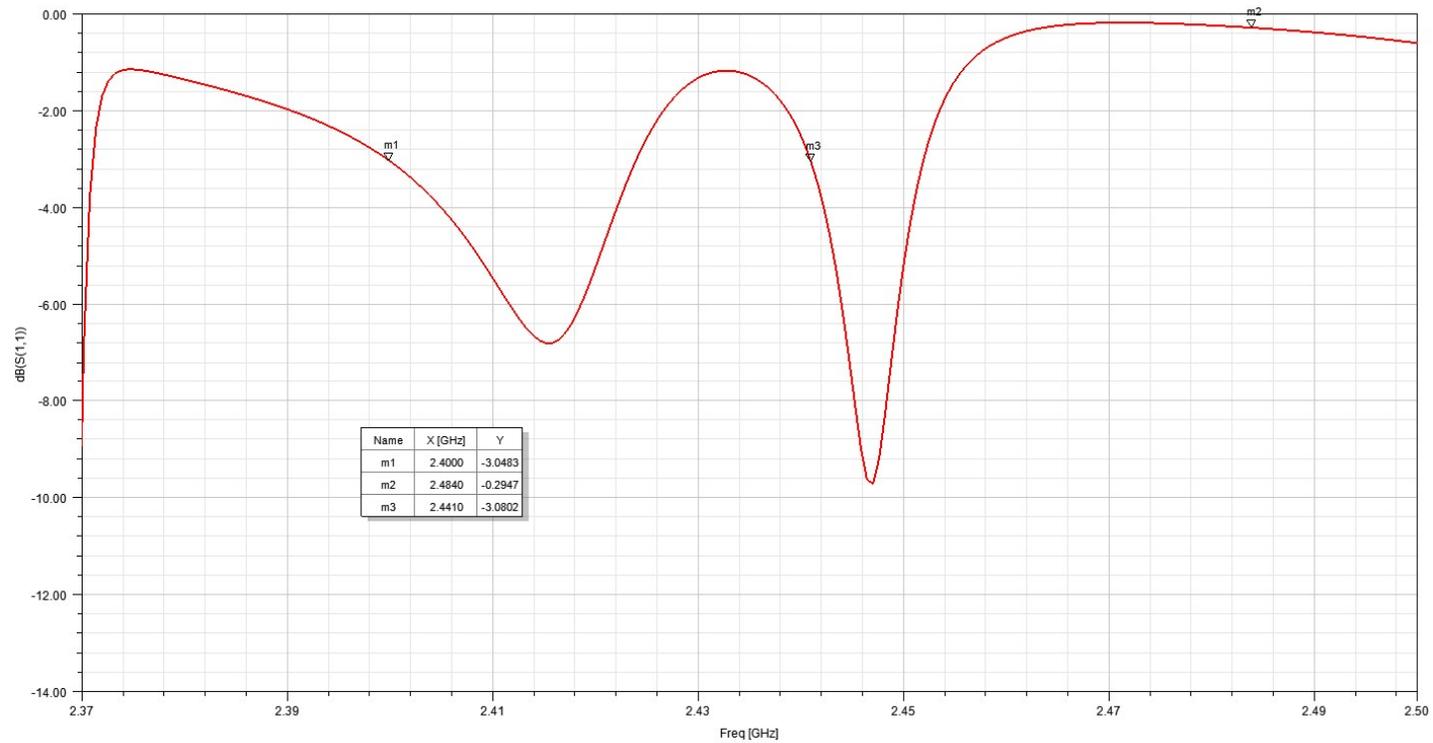
Simulated model – Coordinate System



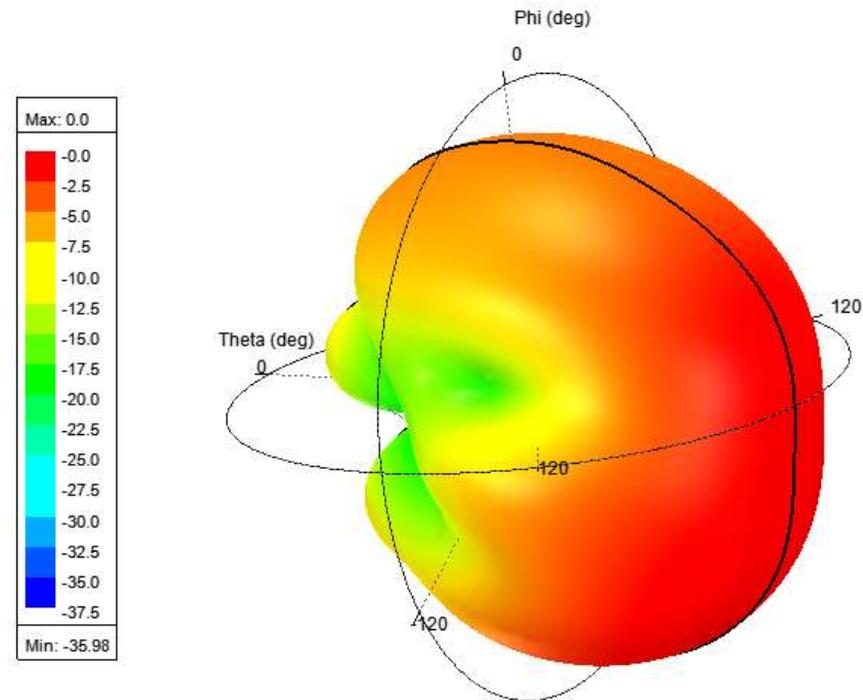
Simulated Antenna Parameters

- Peak Gain = 0.0dBi
- Efficiency = 40.6%

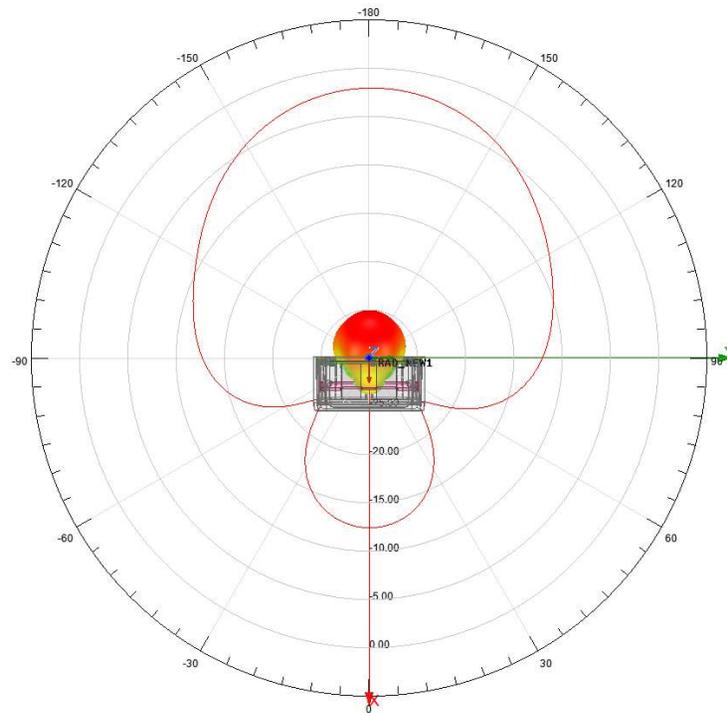
Antenna Return Loss



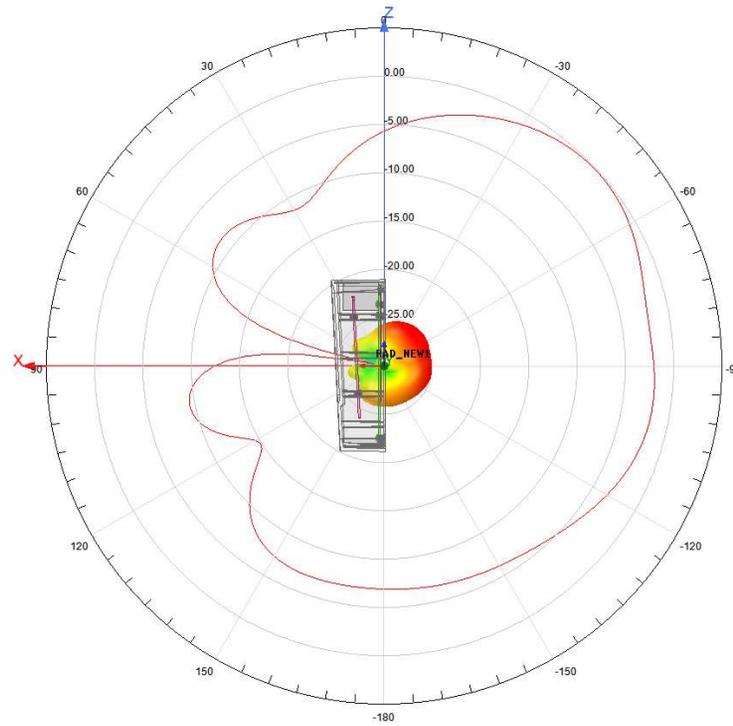
3D Realized Gain Plot



XY Plane – Gain Plot



ZX Plane – Gain Plot



ZY Plane – Gain Plot

