

Antenna Type : PCB Antenna

Brand : Quanta Computer Inc

Address : No.188 , WenHua 2nd Rd., Guishan
Taoyuan City , Taiwan

Model : MHC

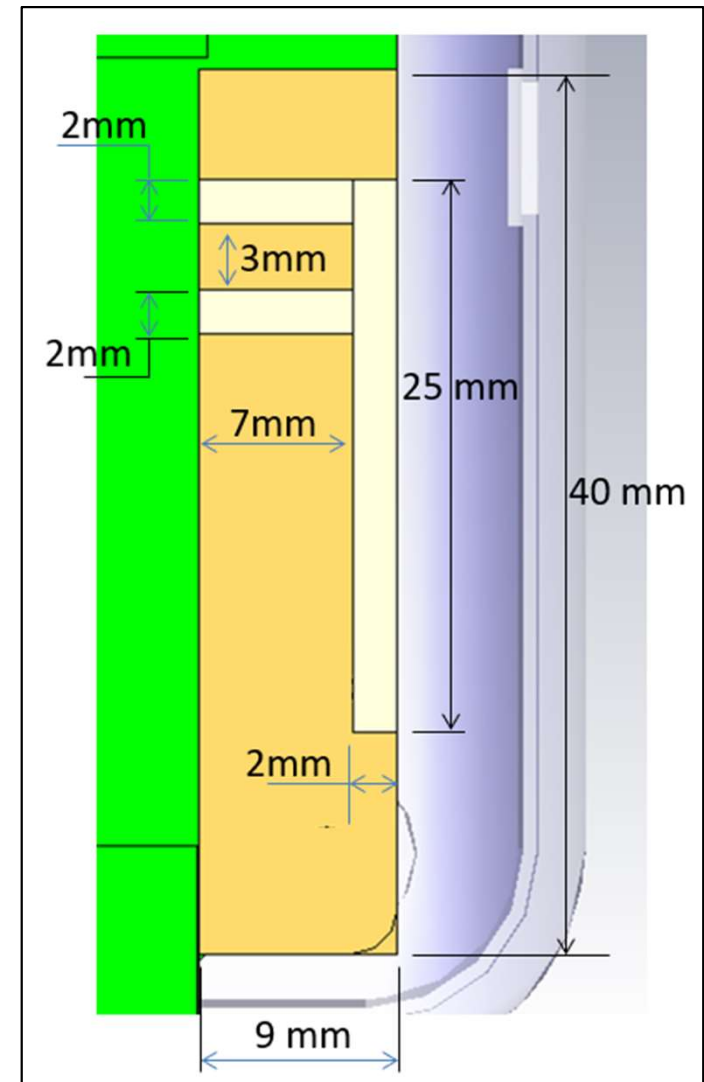
Gain : 2.40GHz , 0.96 dBi
2.44GHz , 0.92 dBi
2.48GHz , 1.82 dBi

Antenna Dimension: 40 mm * 9 mm

Thickness : 1.2 mm

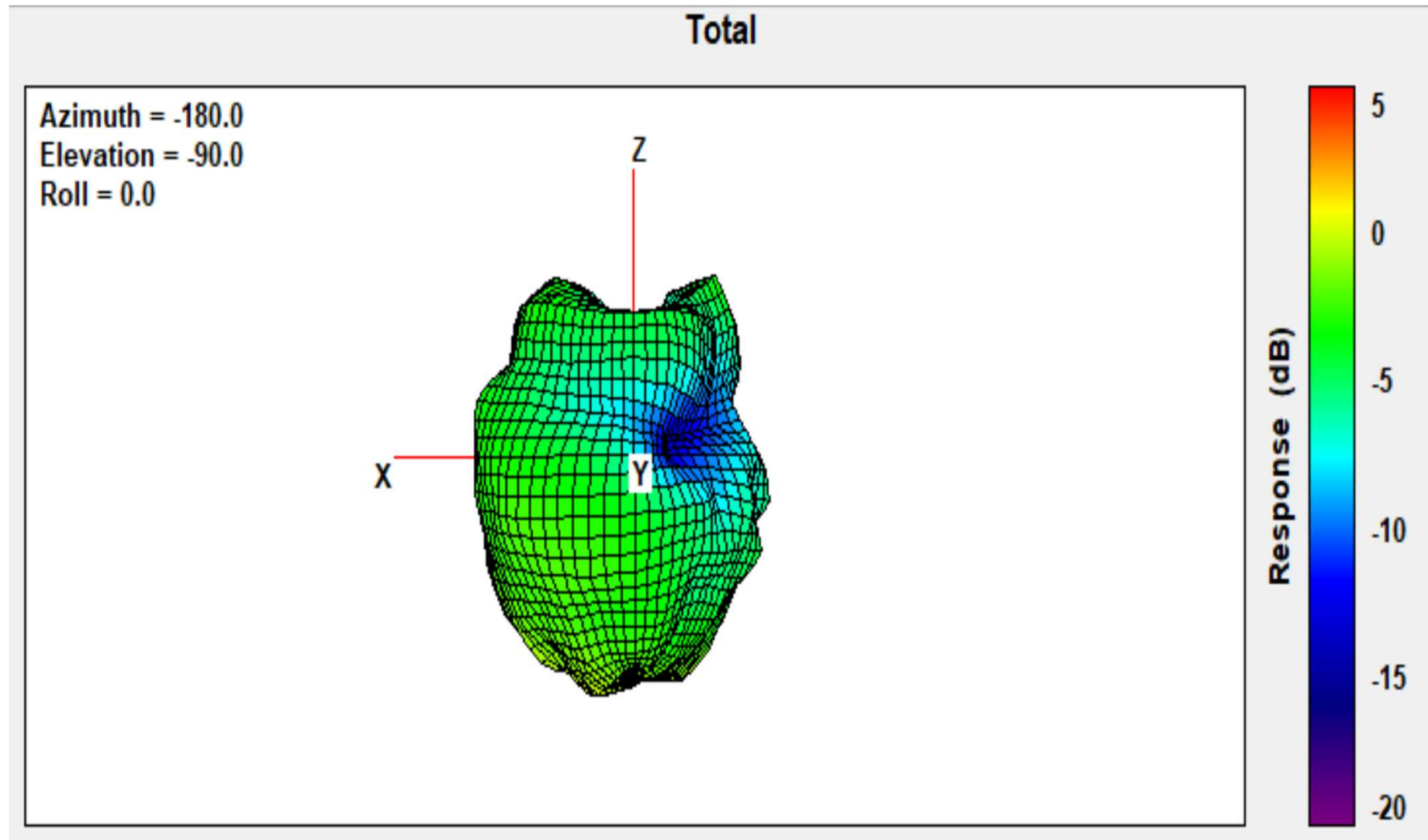
Dielectric constant : 3.7

Impedance : 50 ohm



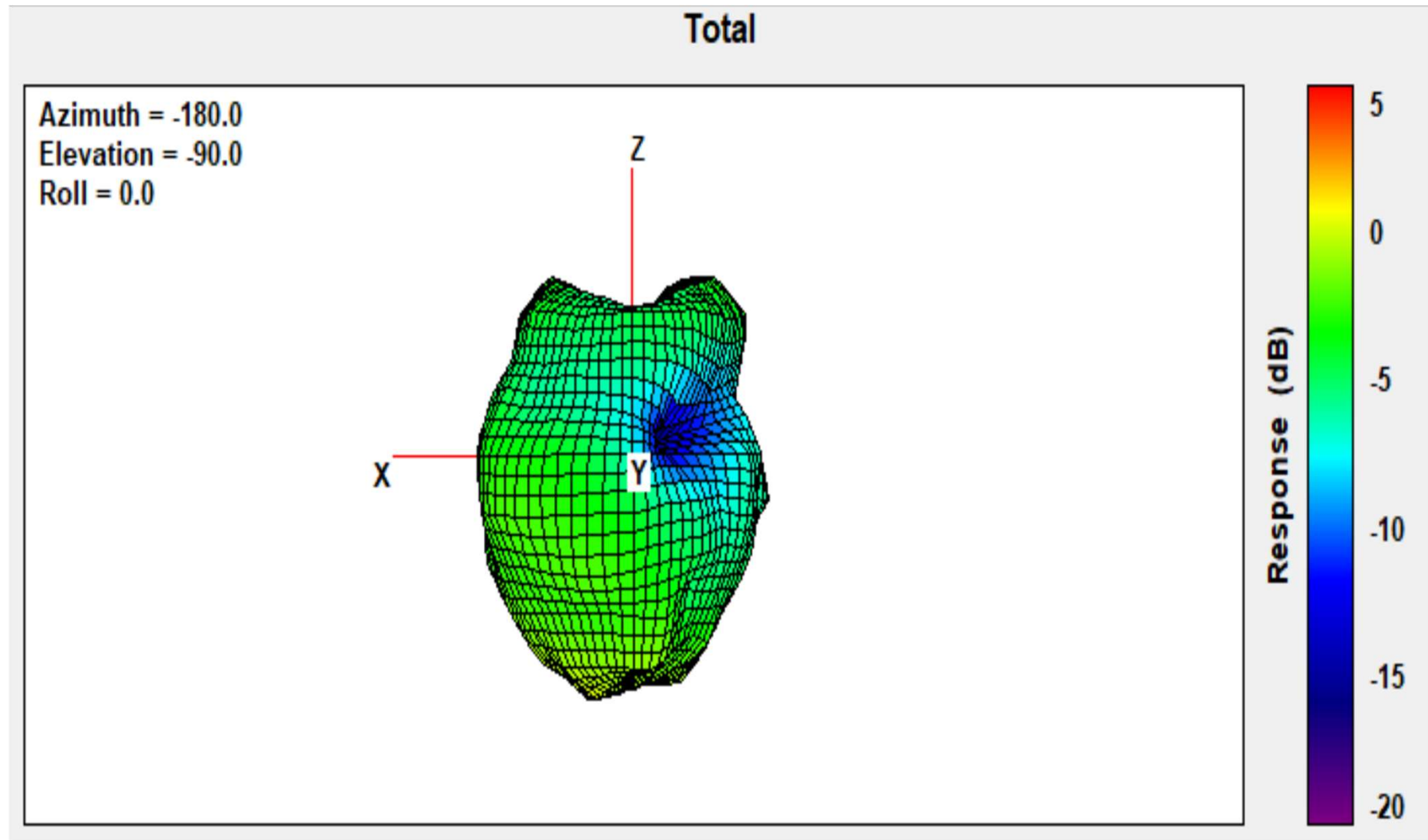
QOCA bioreader

Antenna Radiated pattern-2.4GHz



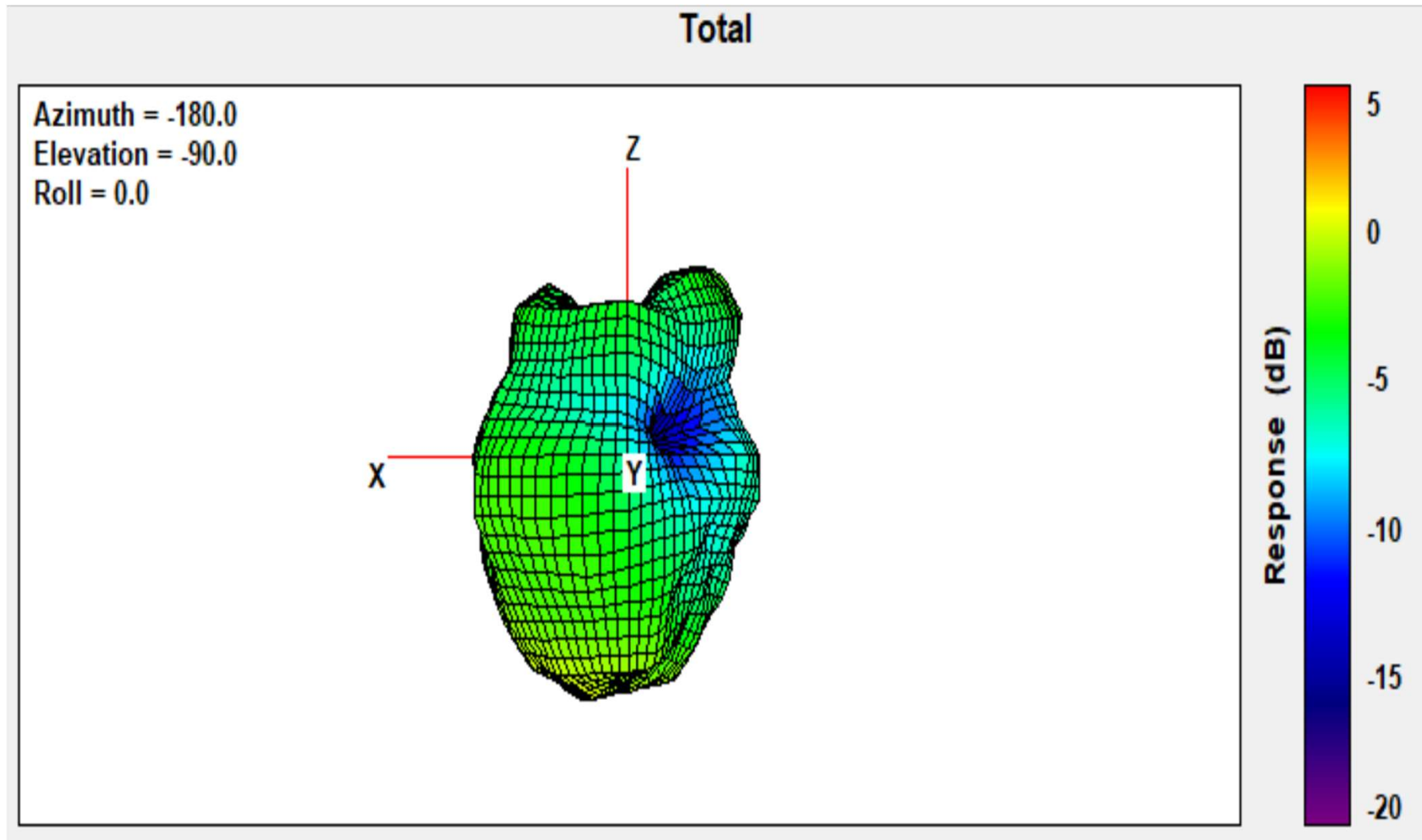
QOCA bioreader

Antenna Radiated pattern-2.44GHz



QOCA bioreader

Antenna Radiated pattern-2.48GHz

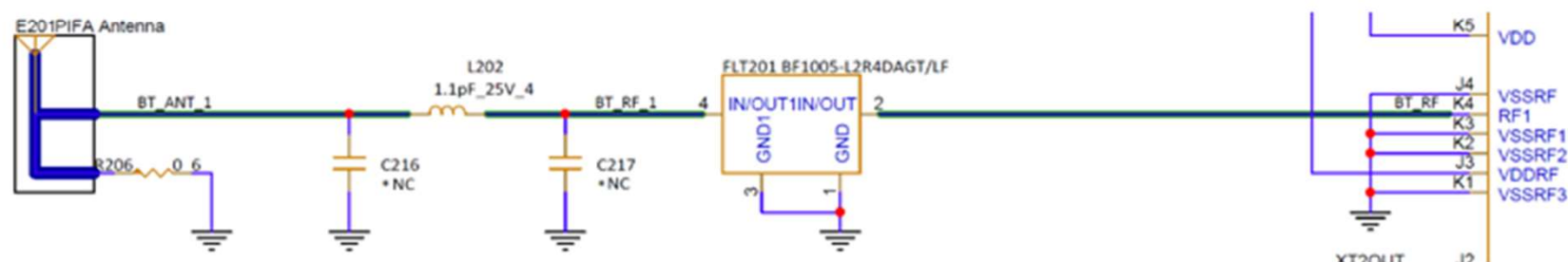


Thickness: 1.2 mm (6-Layers)↵

Dielectric constant: 3.7↵



Schematic↵



Matching Circuit↵

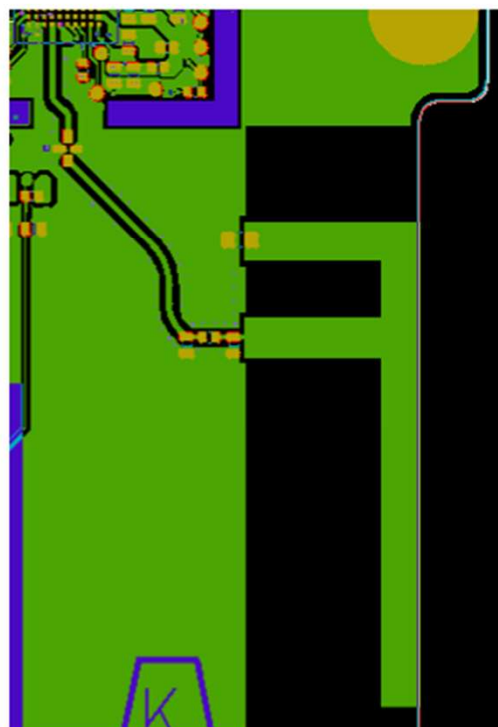
C216↵	L202↵	C217↵
DNP↵	1.1pF↵	DNP↵



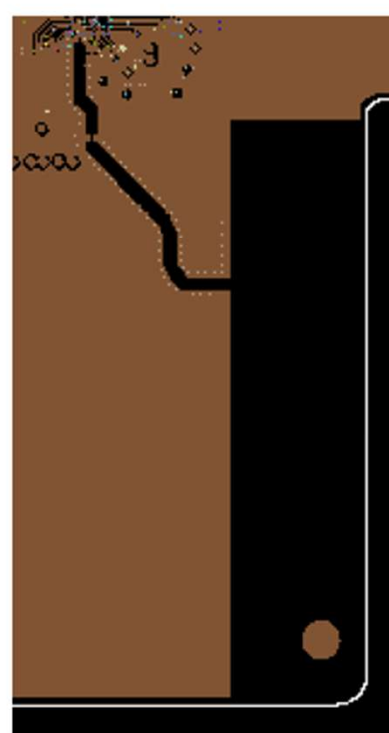
PCB Layout (from "RF1" pin to PIFA antenna)↵

- No ground on layer 2 under RF trace↵

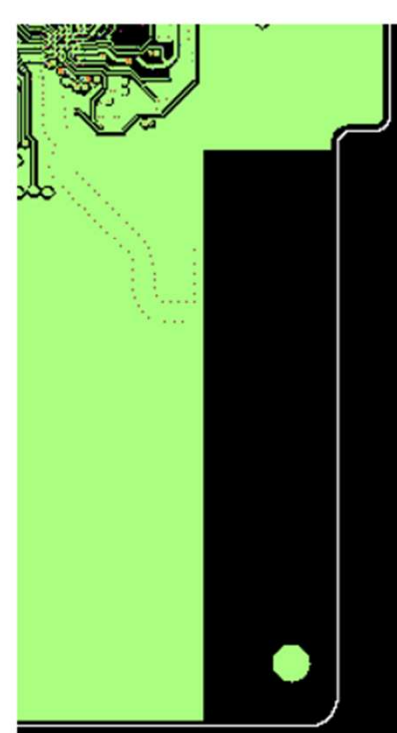
L1



L2



L3



Quanta
Product Design Center

EUT Setup Photograph

