

*IDR-2060*

***Antenna Simulation Results***

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## 1. HFSS Simulation Model

Simulation of the sensor was done in Ansys HFSS.

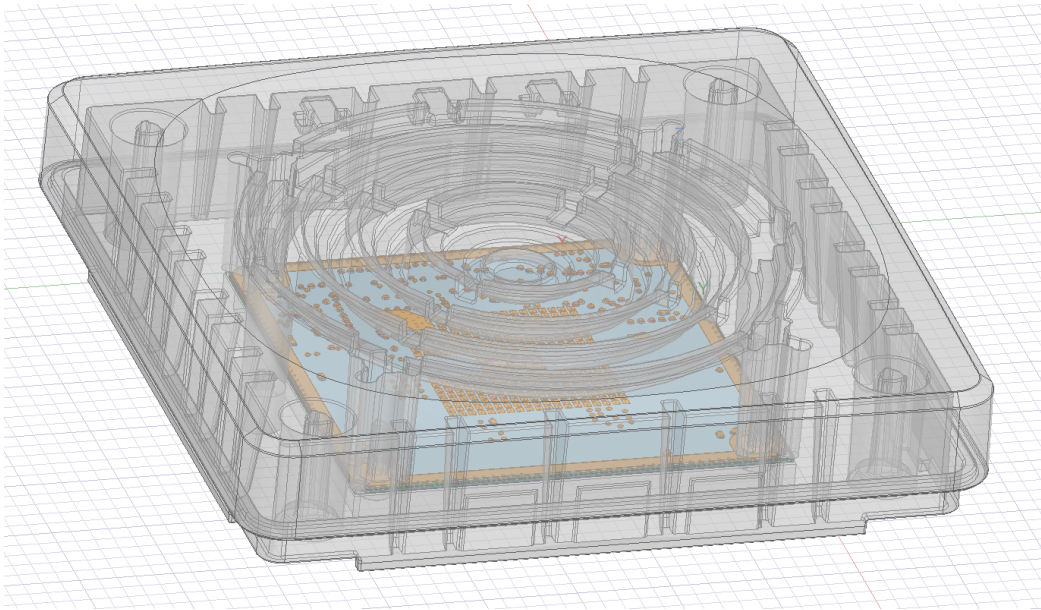


Figure 1 Lens and PCB

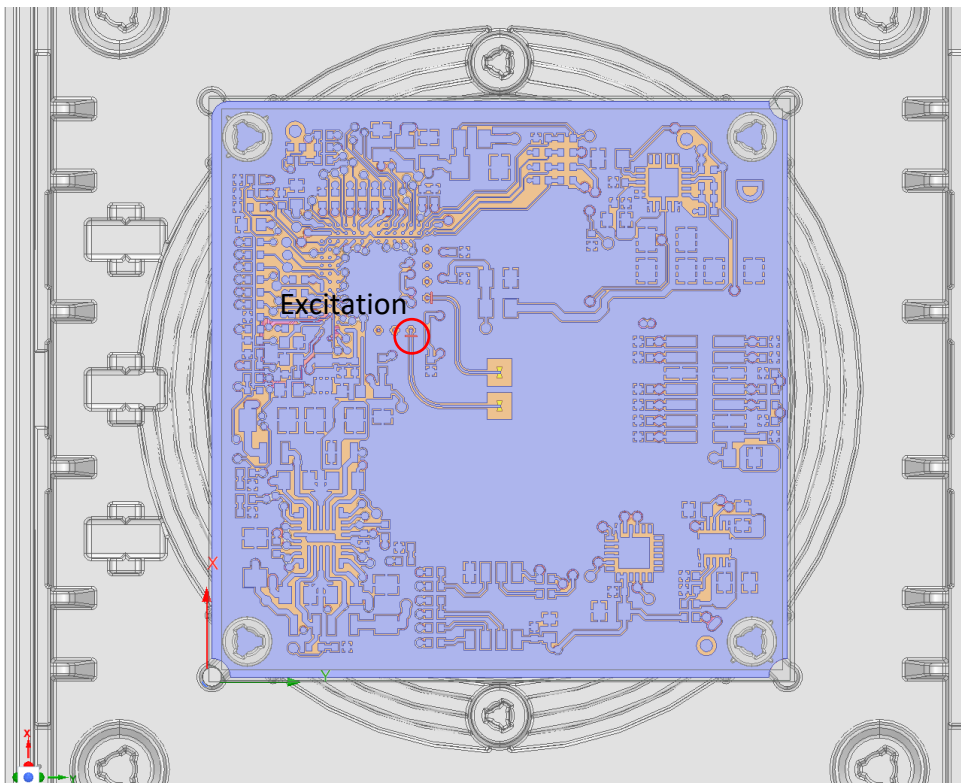
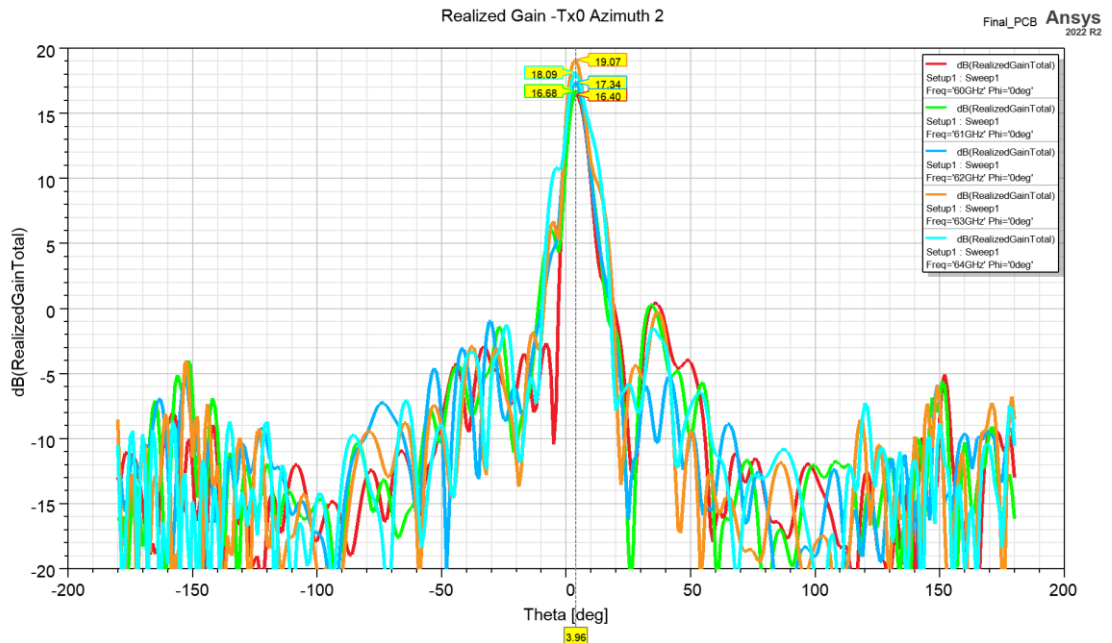


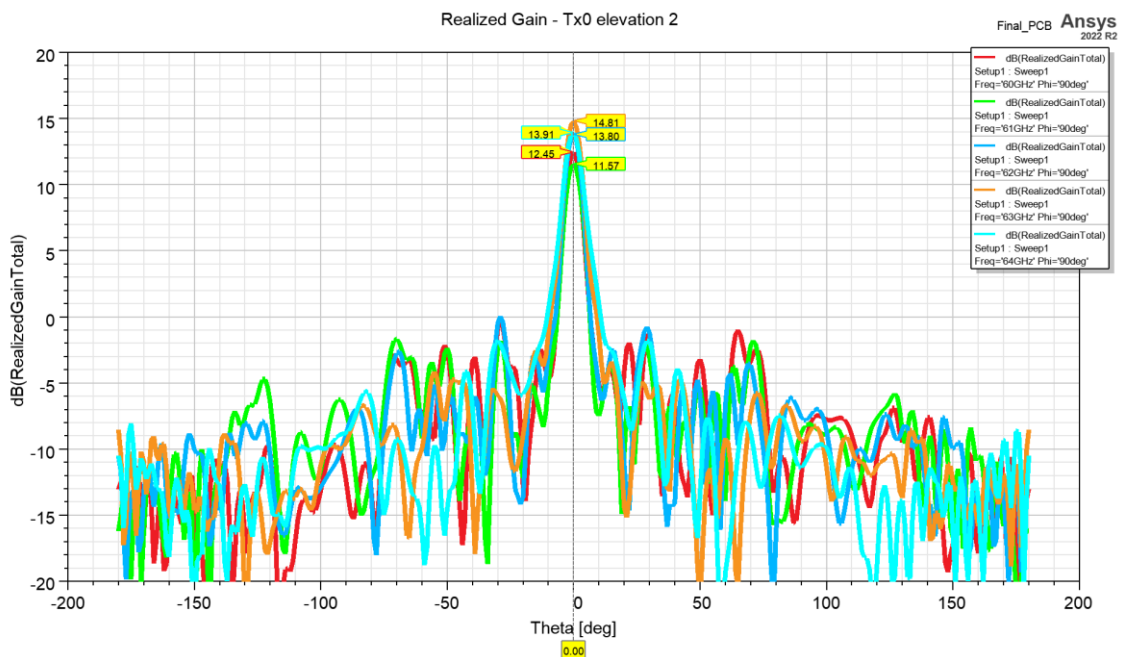
Figure 2 Backside of the model with Excitation Port

## 2. Simulation Results

### 2.1. TX-Antenna Pattern Azimuth



### 2.2. TX-Antenna Pattern Elevation



**Maximum Antenna Gain: 19.07dBi @ 63GHz**



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