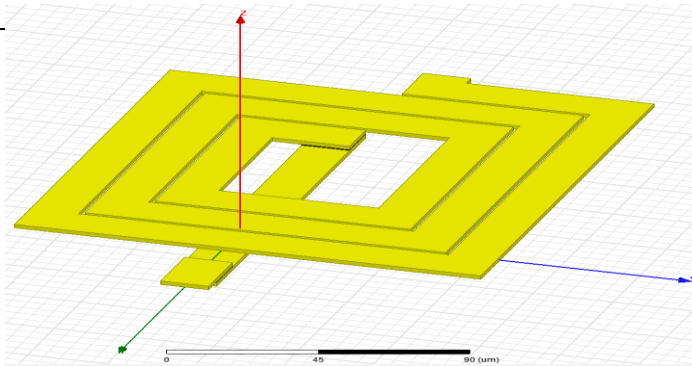


HFSS DESIGN- STACK-UP

SQUAR SPIRAL HFSS DESIGN FOR 3 TURNS- DESIGN 9

| | | |
|---|------------------|--|
| M1(Gold W=15um, S=1.5um, t= 2um) | M1 |  |
| OXIDE (t=.5um,er=3.9) | OXIDE t=7.5um | |
| M2(Gold W=15um, S=1.5um, t= 2um) | | |
| OXIDE (t=5um,er=3.9) | SUBSTRATE | |
| SUBSTRATE (Thickness= 300um, er= 11.7,conductivity=10S/m) | | |

Note that in HFSS the First metal layer is on the top of the oxide but second metal layer is embedded in oxide. They are joined by via of depth 0.5um. I am not sure how this needs to be done in ADS.

ADS MOMENTUM SUBSTRATE INFO- DESIGN 9

| |
|---|
| TOP |
| LAYER3-Oxide t= 0.5um |
| LAYER2-Oxide t=5um |
| LAYER1- Thickness= 300um, er= 11.7,conductivity=10S/m |
| GROUND |
| ADS MOMENTUM LAYER INFO- DESIGN 9 |

ADS MOMENTUM LAYER INFO- DESIGN 9

Can you please see if the layer info is as per the HFSS stackup.

