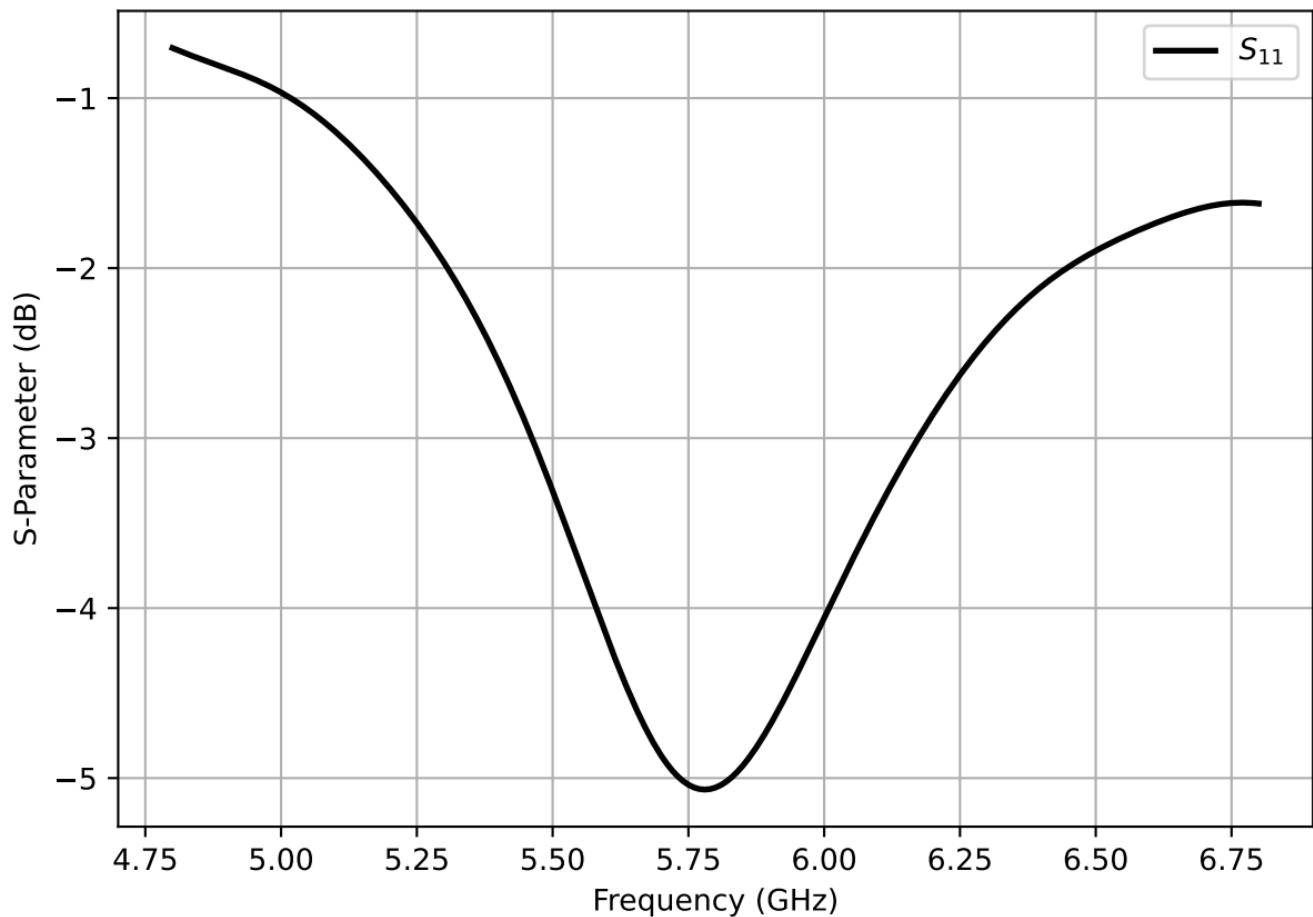
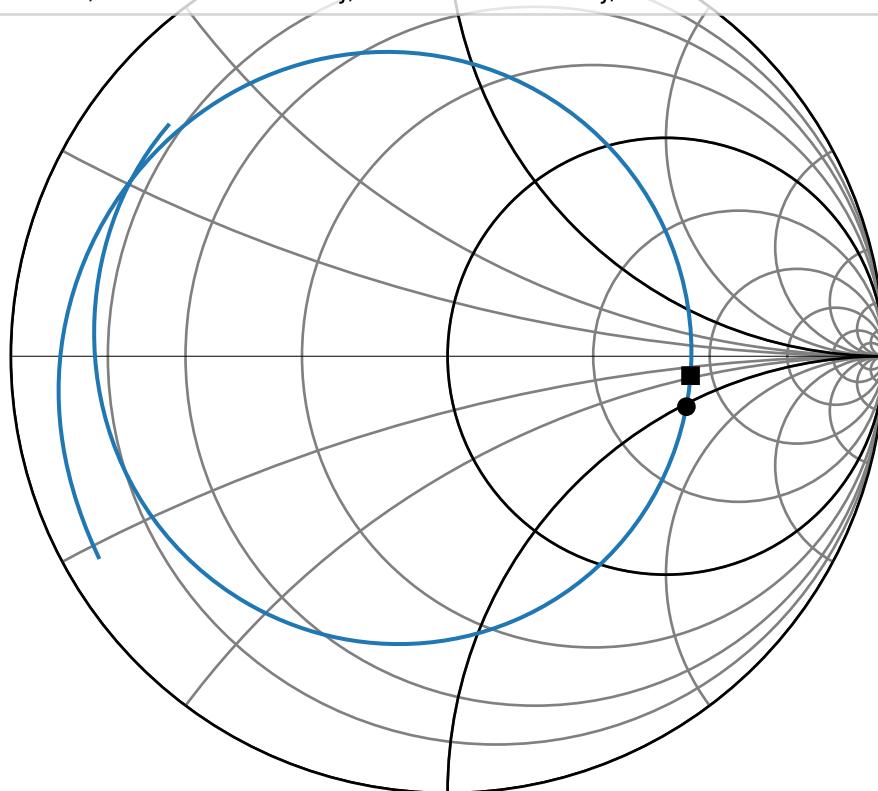


## Reflection Coefficient $S_{11}$

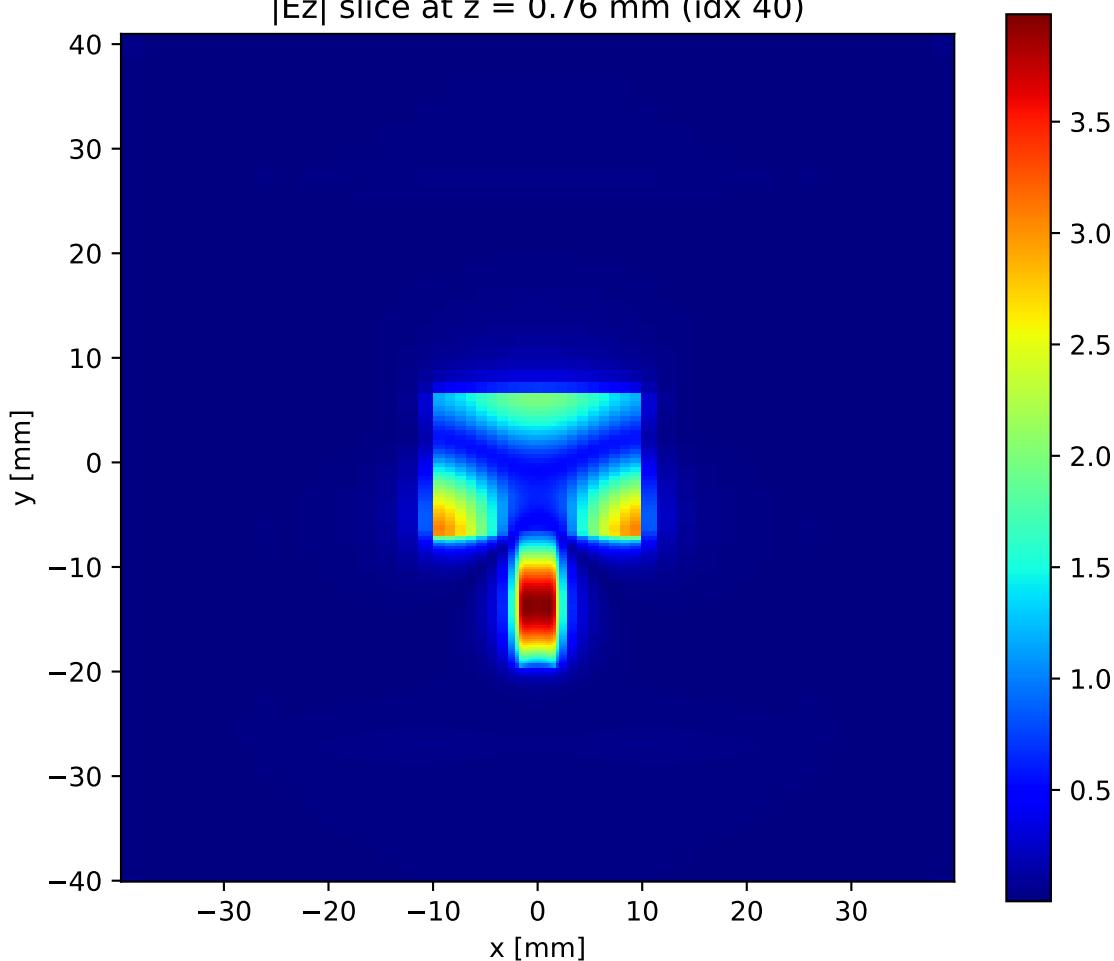


## Smith Chart

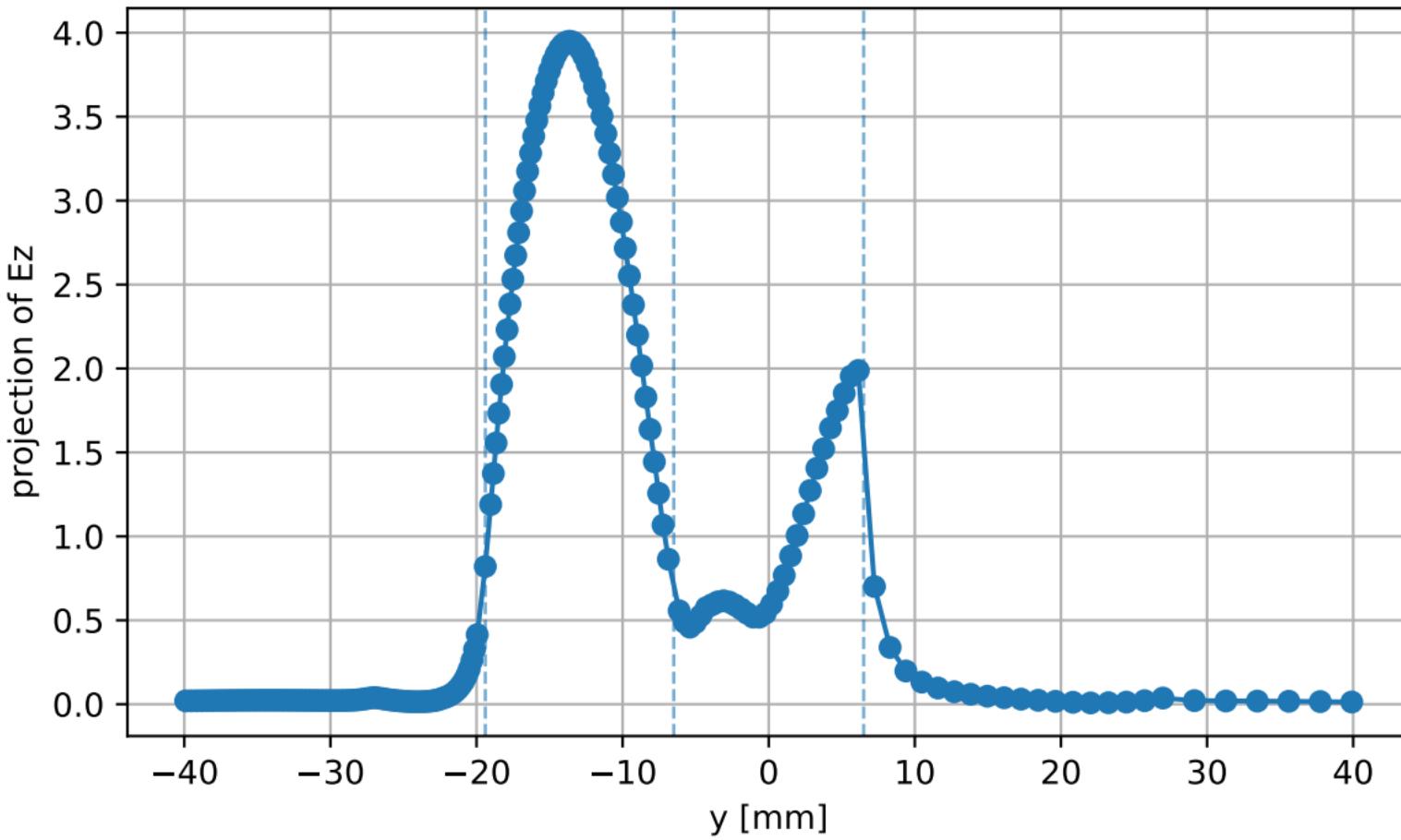
- S11 (Patch W=19.50 mm, L=13.00 mm, len180=12.90 mm)
- 5.80 GHz, S11=0.547-0.116j, R=157.15-52.78j, Gnorm=0.29+0.10j
- 5.78 GHz, S11=0.556-0.044j, R2=173.09-22.34j, G2norm=0.28+0.04j



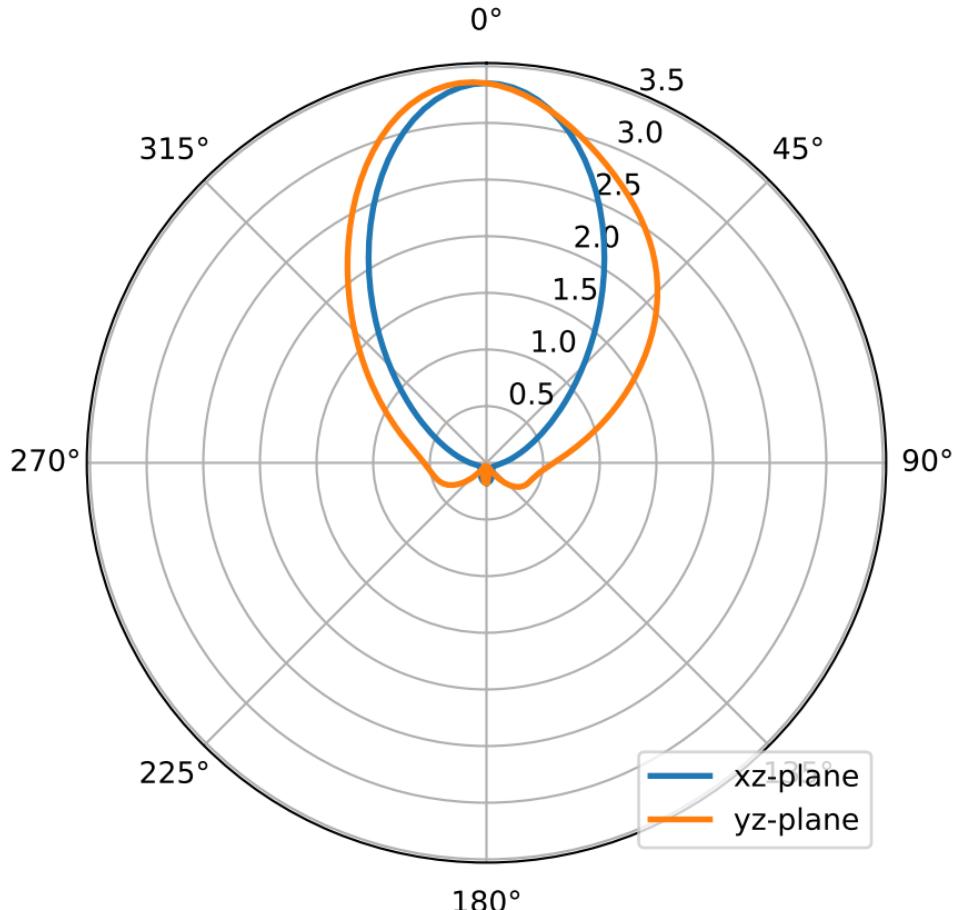
$|E_z|$  slice at  $z = 0.76$  mm (idx 40)



$|E_z|$  line cut along Y at  $x=0.00$  mm,  $z=0.76$  mm (idx  $x=33, z=40$ )



Frequency: 5.780 GHz — Directivity (linear). Dmax: 3.362



Frequency: 5.780 GHz

