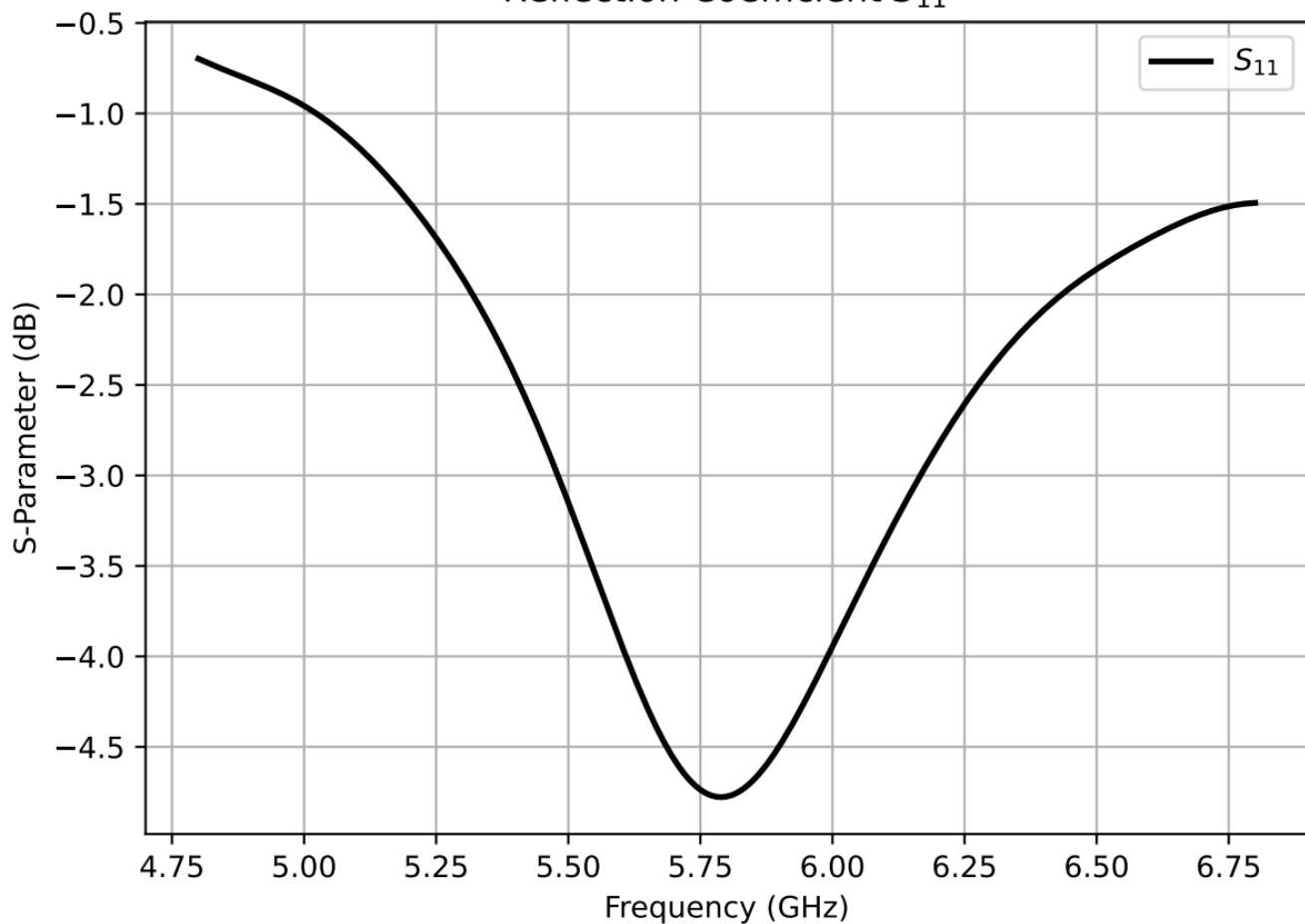
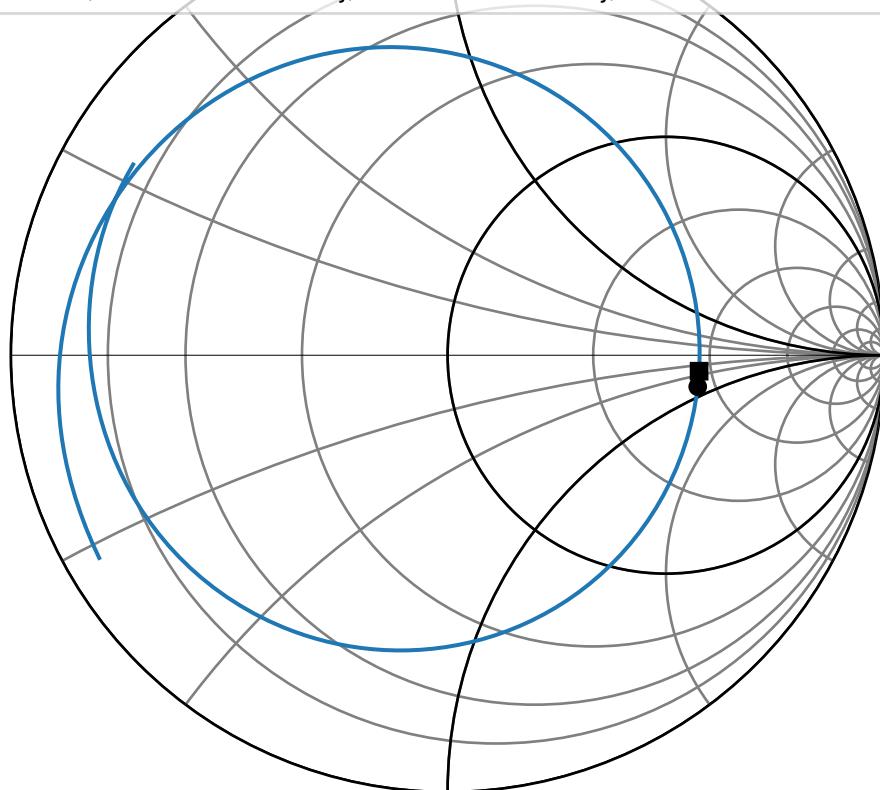


### Reflection Coefficient $S_{11}$

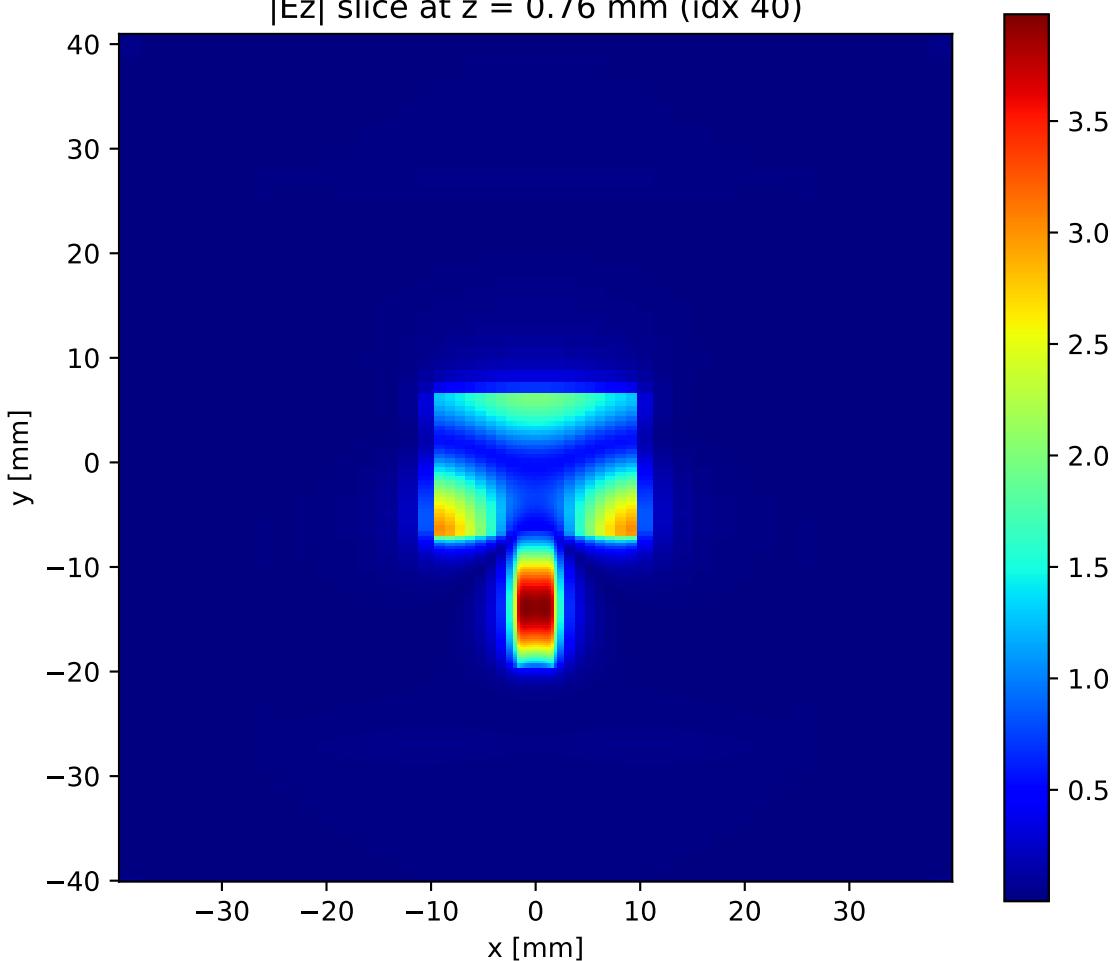


## Smith Chart

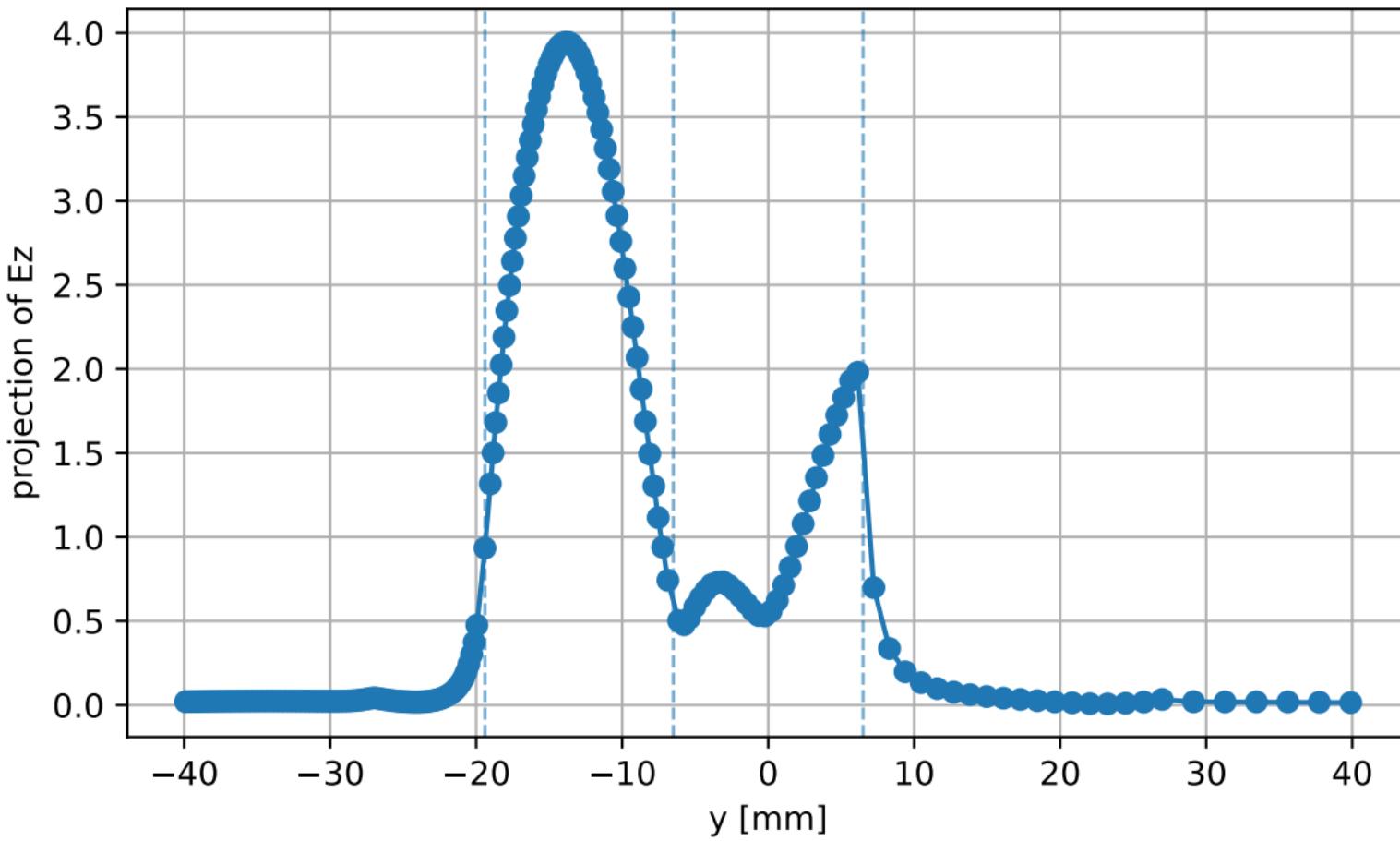
- S11 (Patch W=19.00 mm, L=13.00 mm, len180=12.90 mm)
- 5.80 GHz,  $S_{11}=0.573-0.072j$ ,  $R=177.52-38.34j$ ,  $G_{norm}=0.27+0.06j$
- 5.79 GHz,  $S_{11}=0.576-0.037j$ ,  $R=183.98-20.15j$ ,  $G_{2norm}=0.27+0.03j$



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

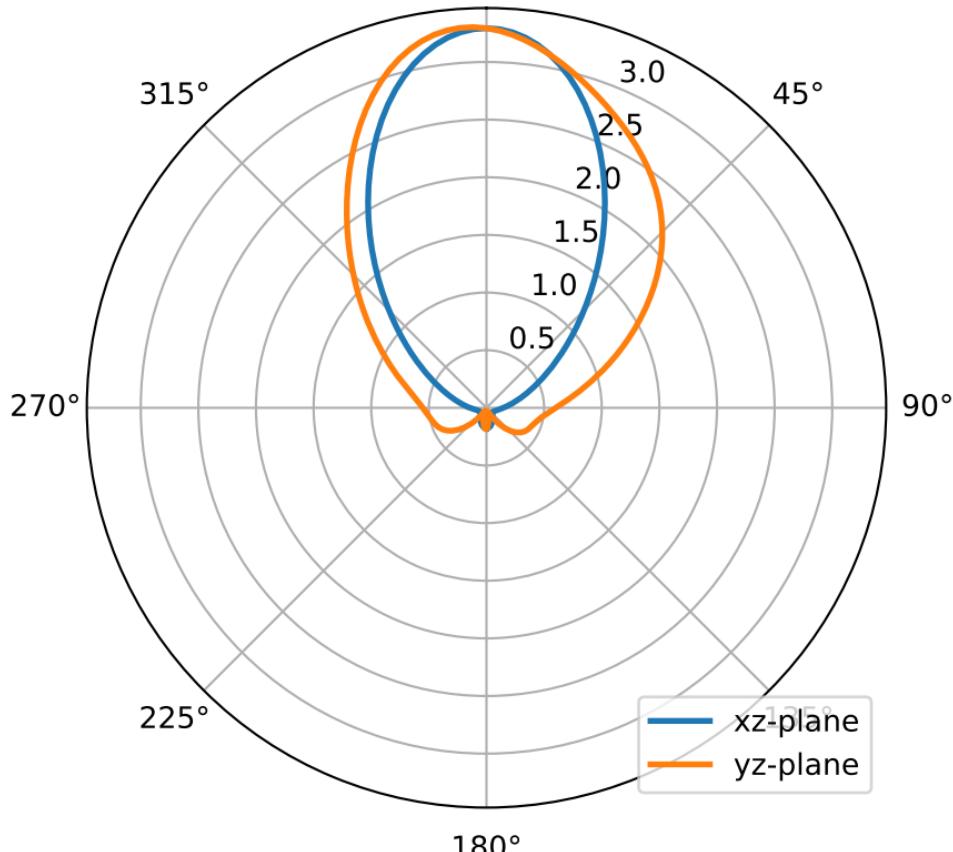


$|E_z|$  line cut along Y at  $x=0.00$  mm,  $z=0.76$  mm (idx  $x=33, z=40$ )



Frequency: 5.790 GHz — Directivity (linear). Dmax: 3.304

0°



Frequency: 5.790 GHz

