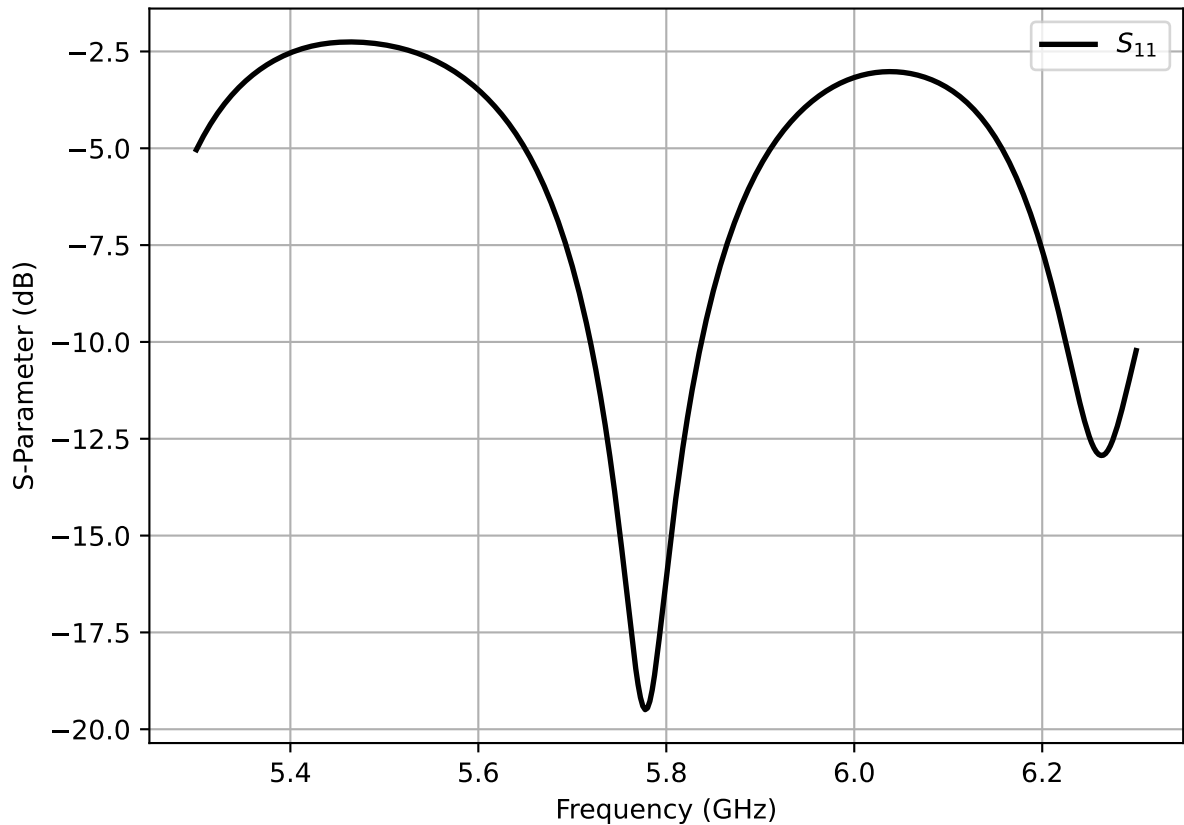
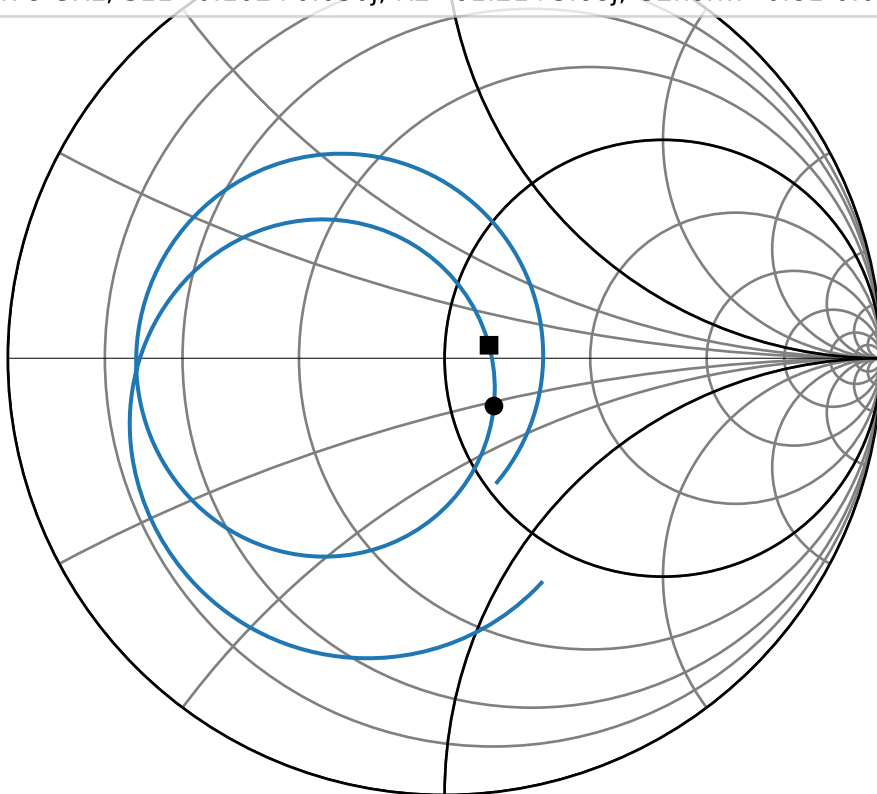


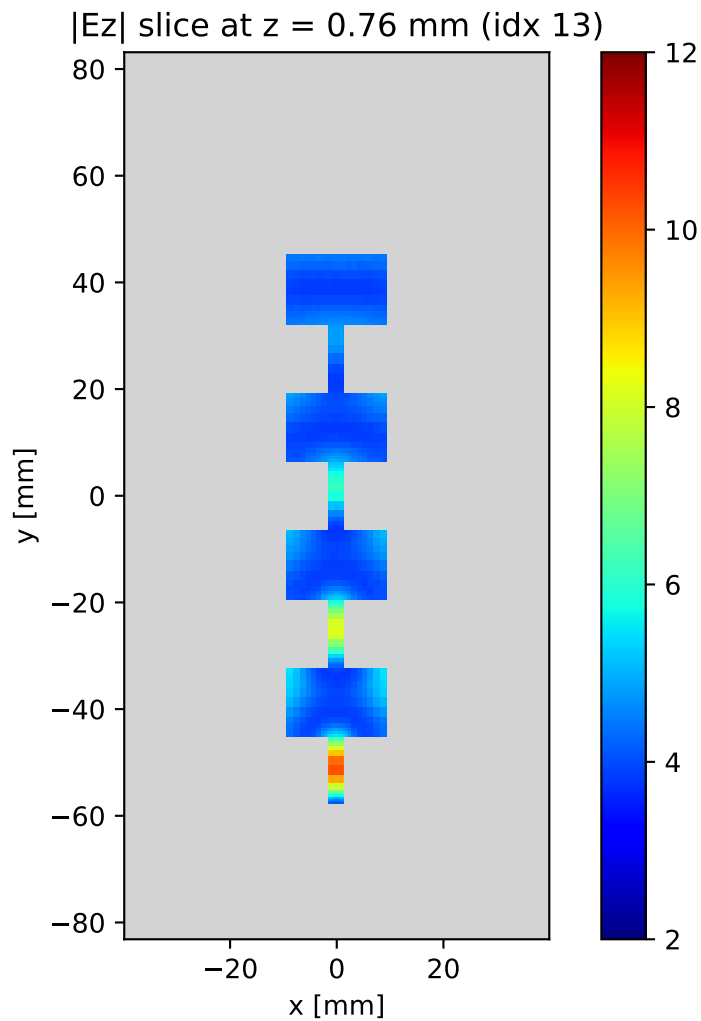
Reflection Coefficient  $S_{11}$



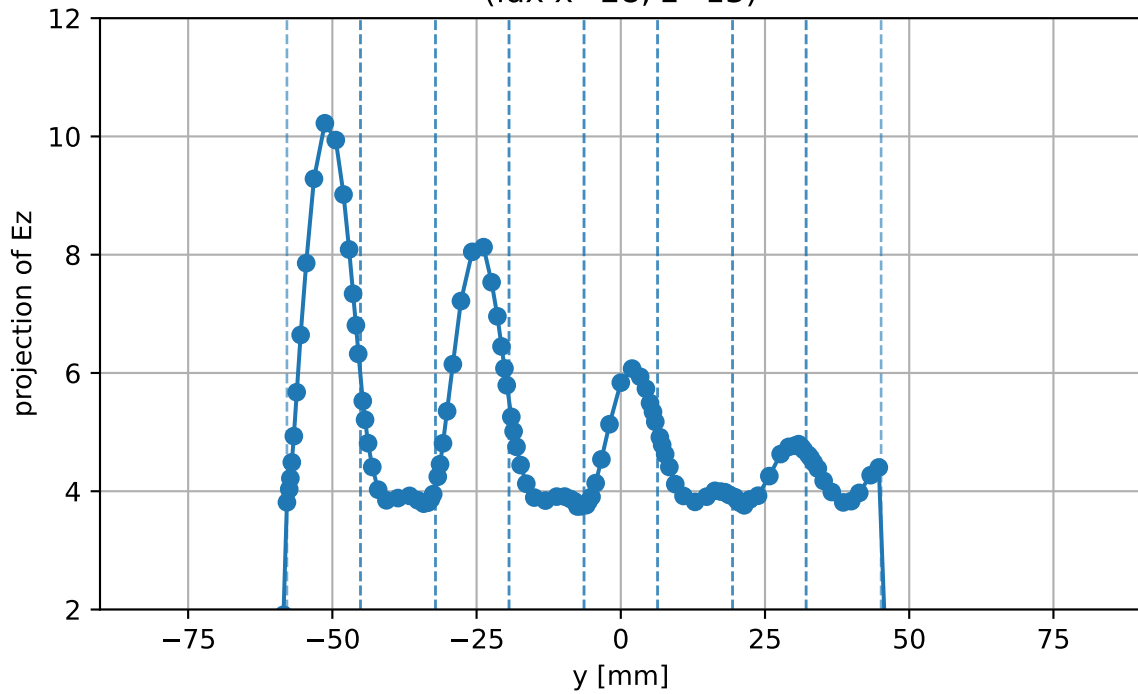
## Smith Chart

- S11 (Patch W=18.50 mm, L=13.00 mm, len180=12.90 mm)
- 5.80 GHz,  $S_{11}=0.113-0.109j$ ,  $R=61.05-13.69j$ ,  $G_{\text{norm}}=0.78+0.17j$
- 5.78 GHz,  $S_{11}=0.102+0.030j$ ,  $R_2=61.21+3.68j$ ,  $G_{2\text{norm}}=0.81-0.05j$

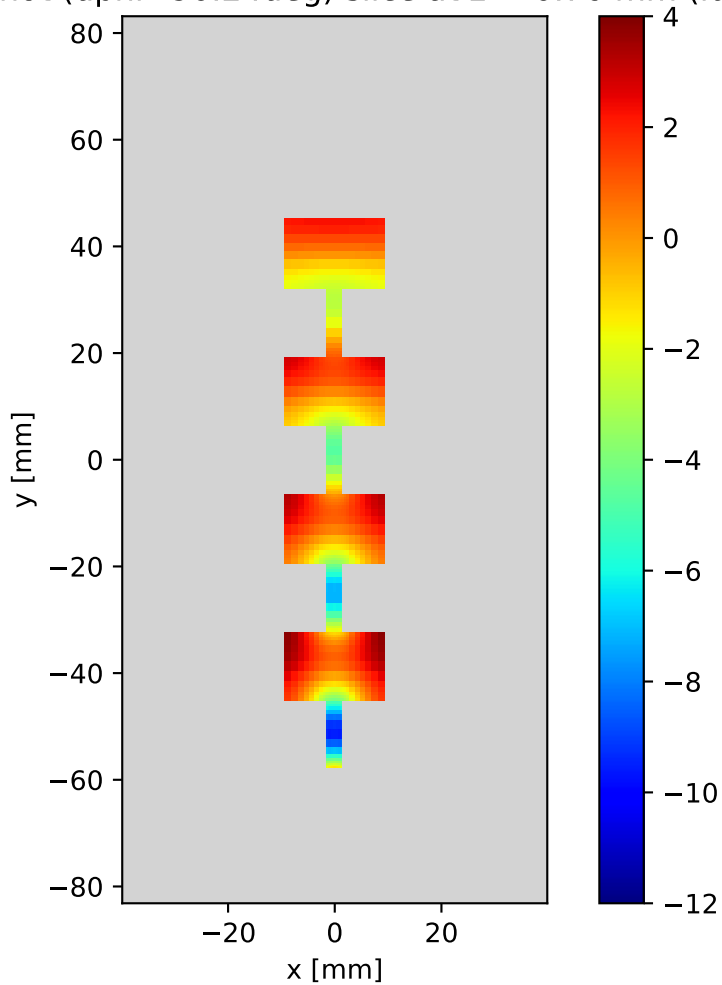




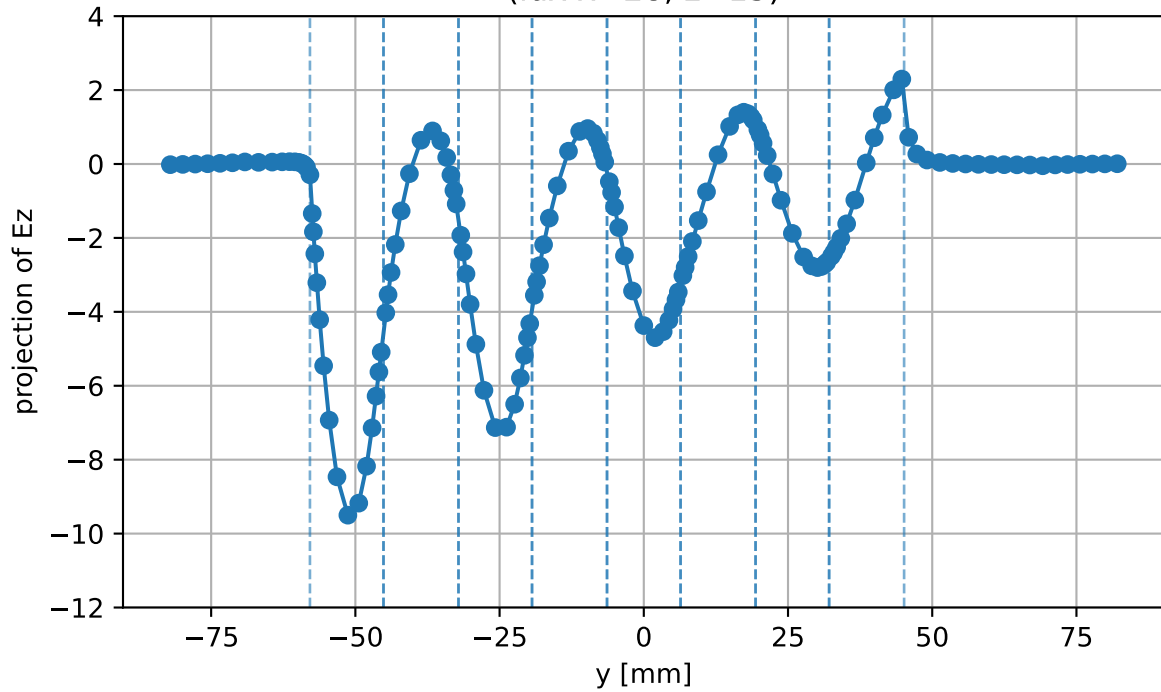
$|E_z|$  line cut along Y at  $x=0.00$  mm,  $z=0.76$  mm  
(idx x=28, z=13)



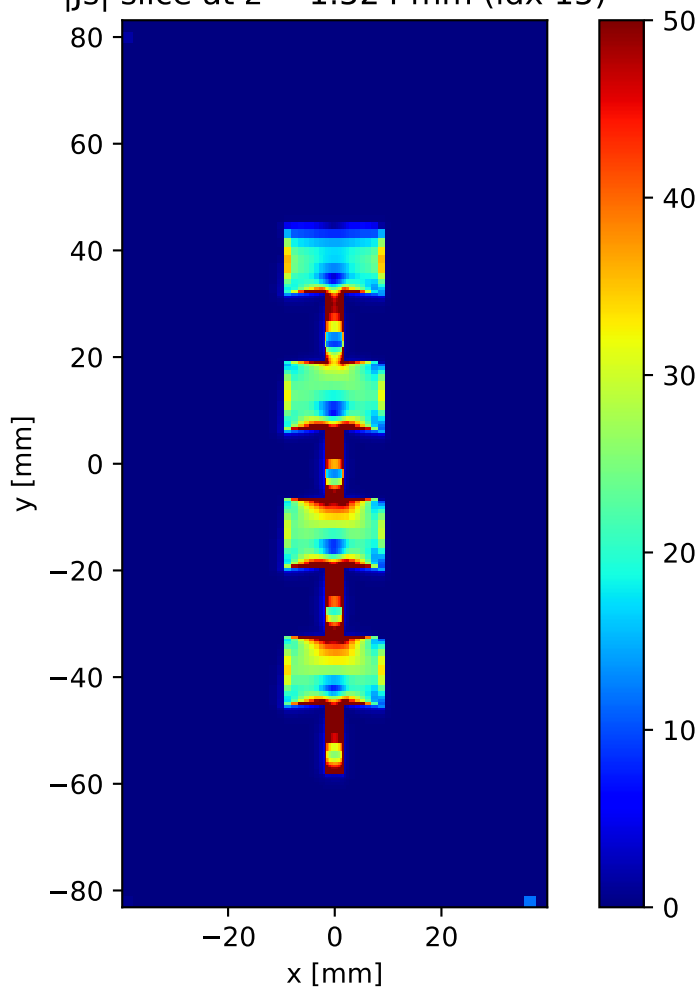
Ez snapshot (dphi=90.24deg) slice at z = 0.76 mm (idx 13)



Ez snapshot (dphi=90.24deg) line cut along Y at x=0.00 mm, z=0.76 mm  
(idx x=28, z=13)

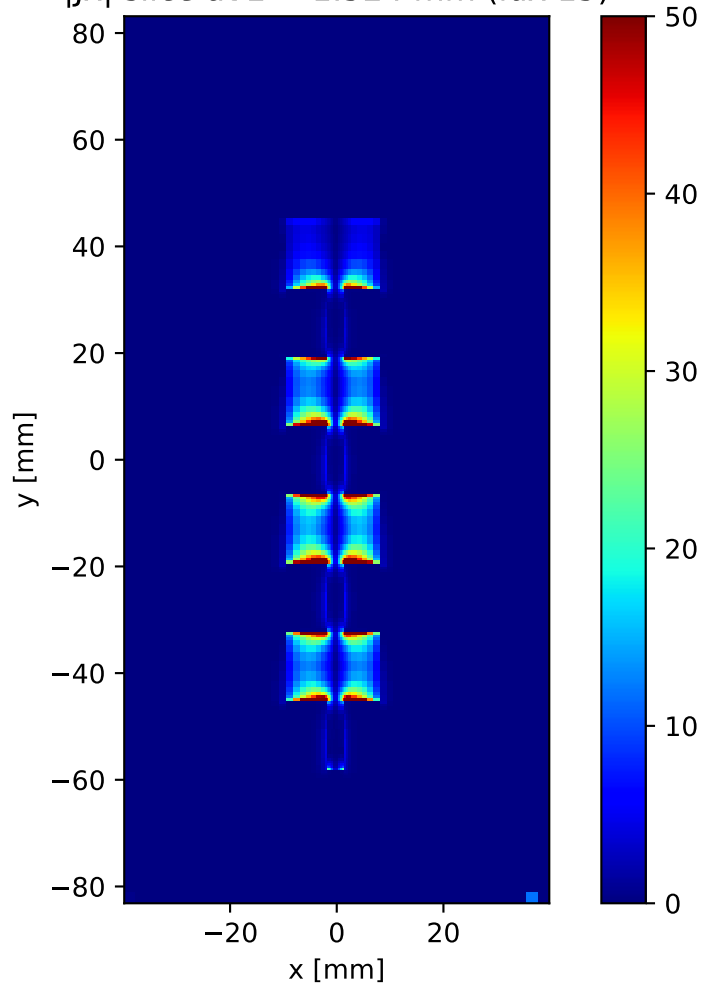


$|J_s|$  slice at  $z = 1.524$  mm (idx 15)

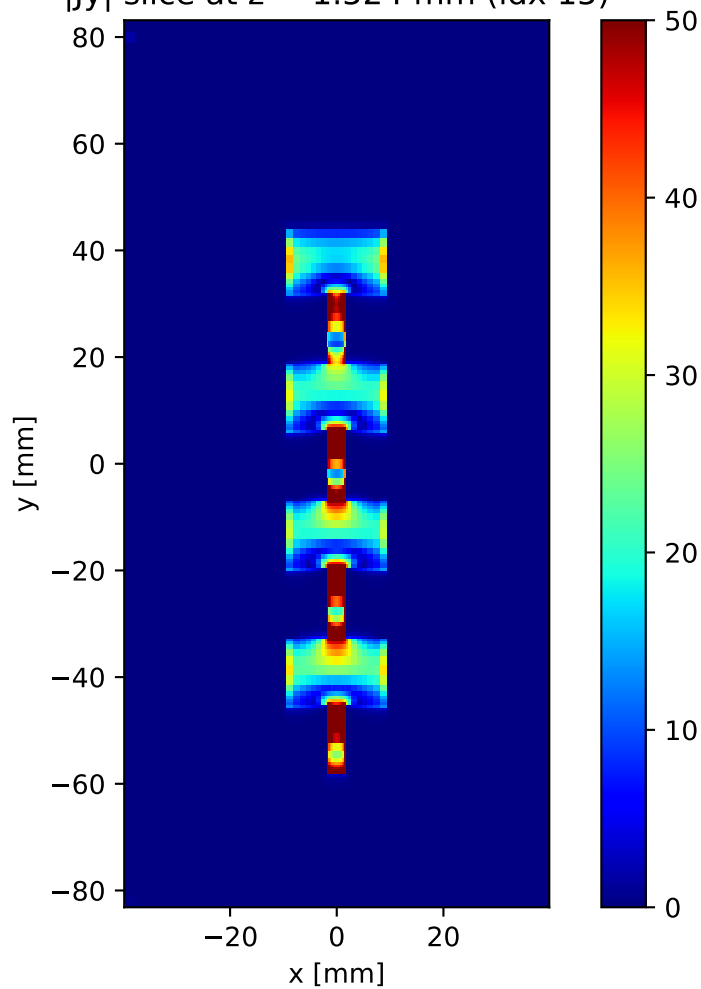




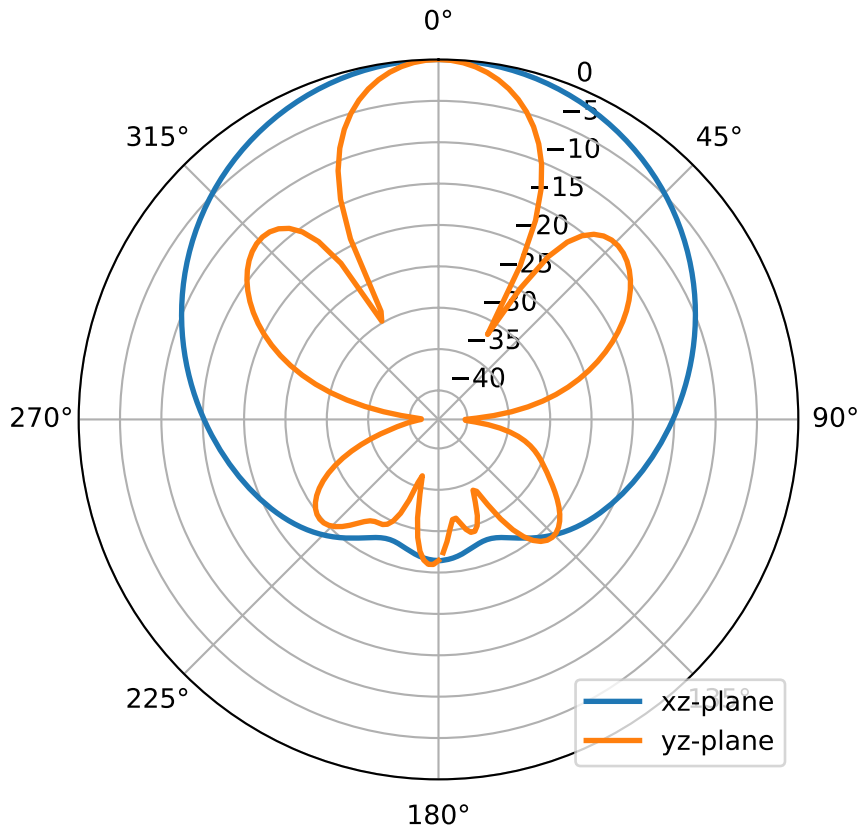
$|j_x|$  slice at  $z = 1.524$  mm (idx 15)



$|J_y|$  slice at  $z = 1.524$  mm (idx 15)



Frequency: 5.800 GHz — Directivity (dB). Dmax: 18.907dB



Frequency: 5.800 GHz

