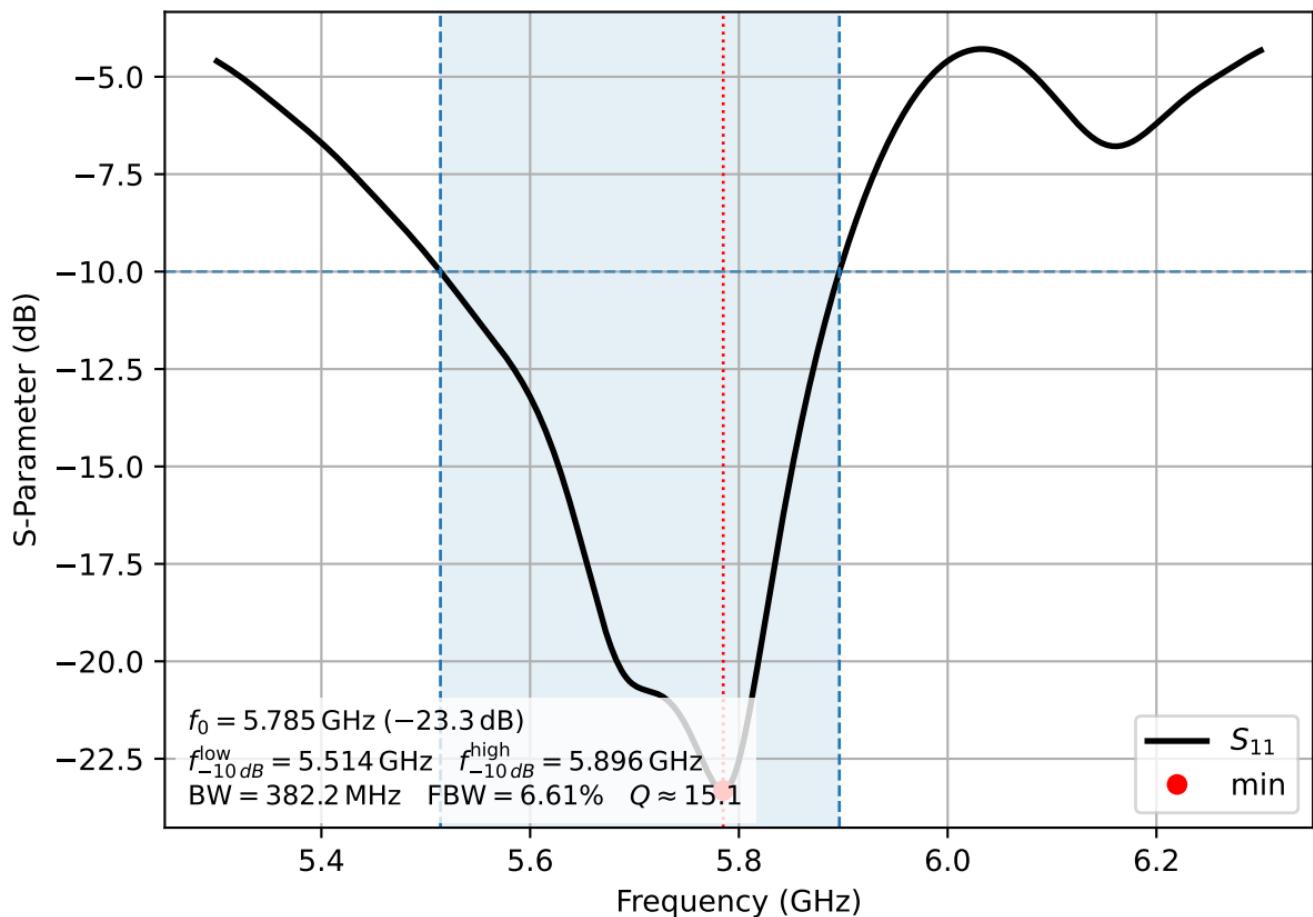
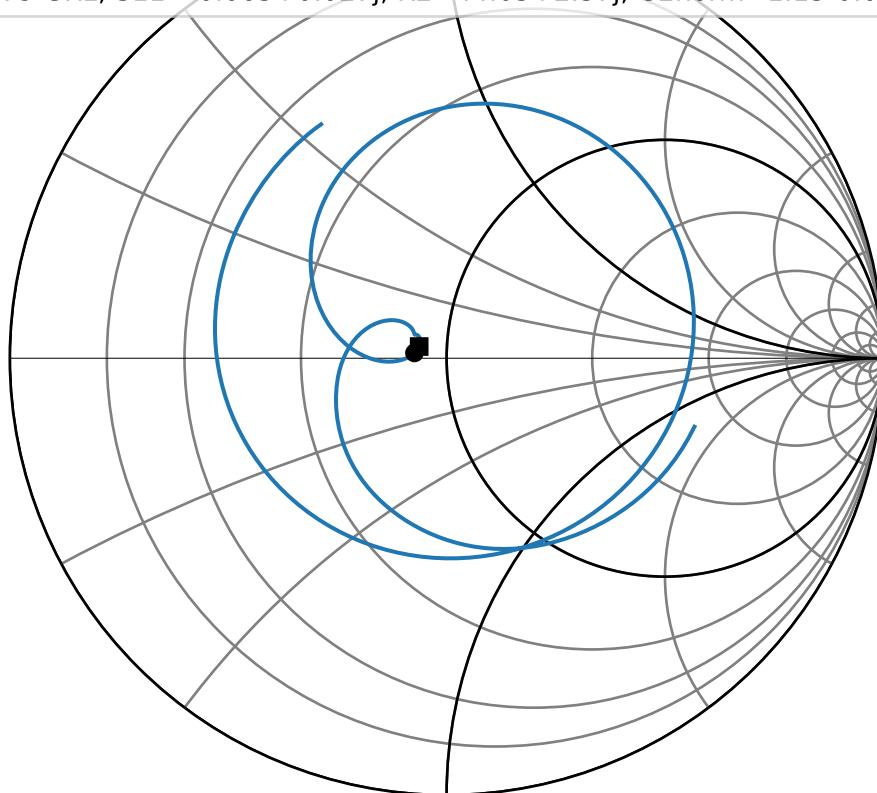


# Reflection Coefficient $S_{11}$

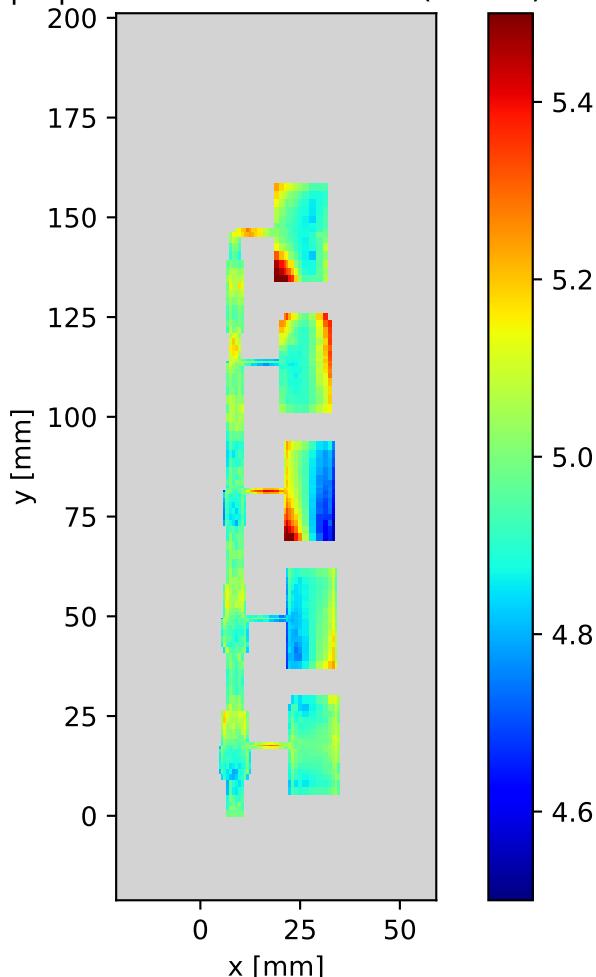


## Smith Chart

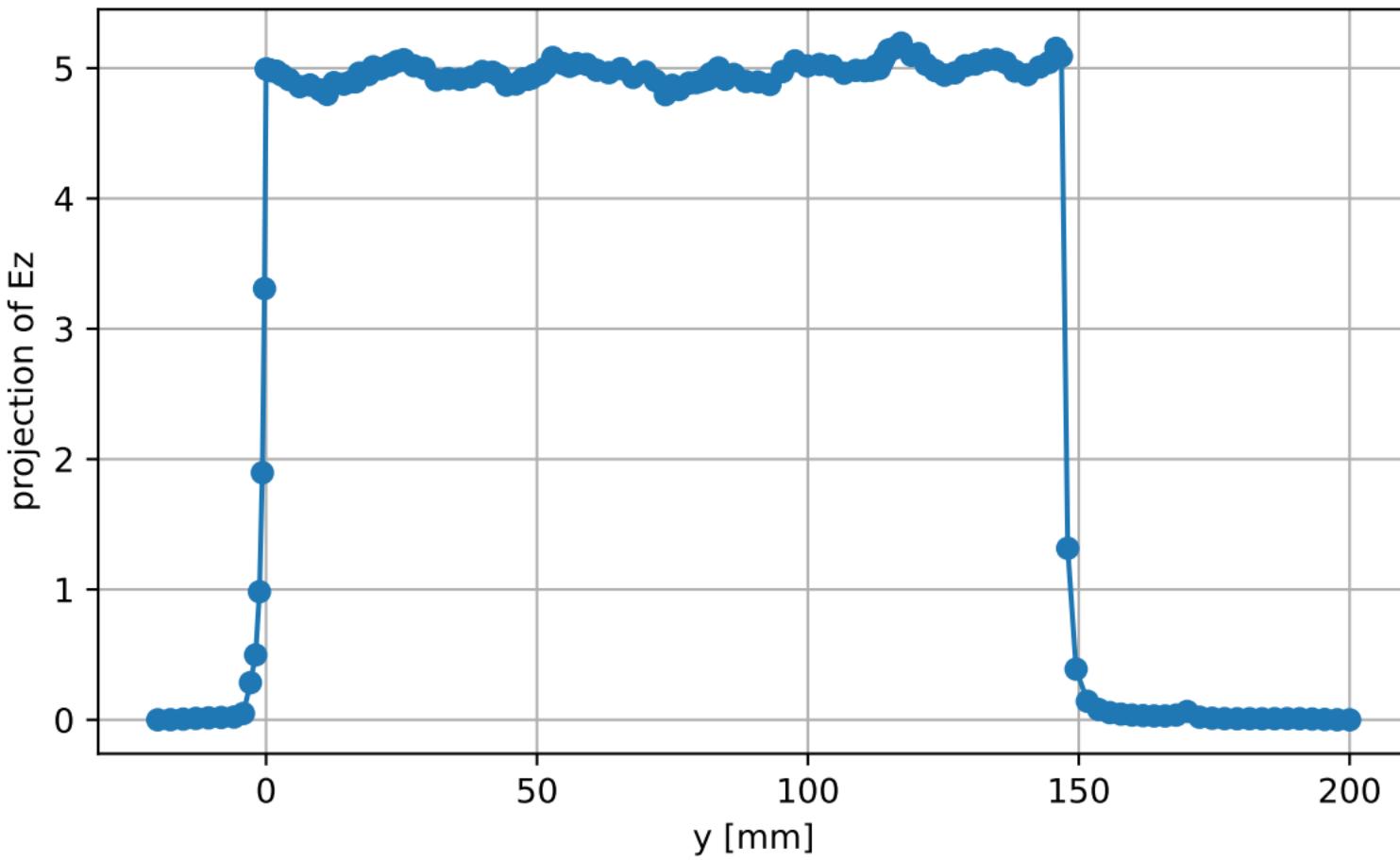
- S11 (Patch W=20.10 mm, L=10.70 mm)
- 5.80 GHz,  $S_{11} = -0.074 + 0.012j$ ,  $R = 43.14 + 1.05j$ ,  $G_{norm} = 1.16 - 0.03j$
- 5.79 GHz,  $S_{11} = -0.063 + 0.027j$ ,  $R = 44.03 + 2.37j$ ,  $G_{2norm} = 1.13 - 0.06j$



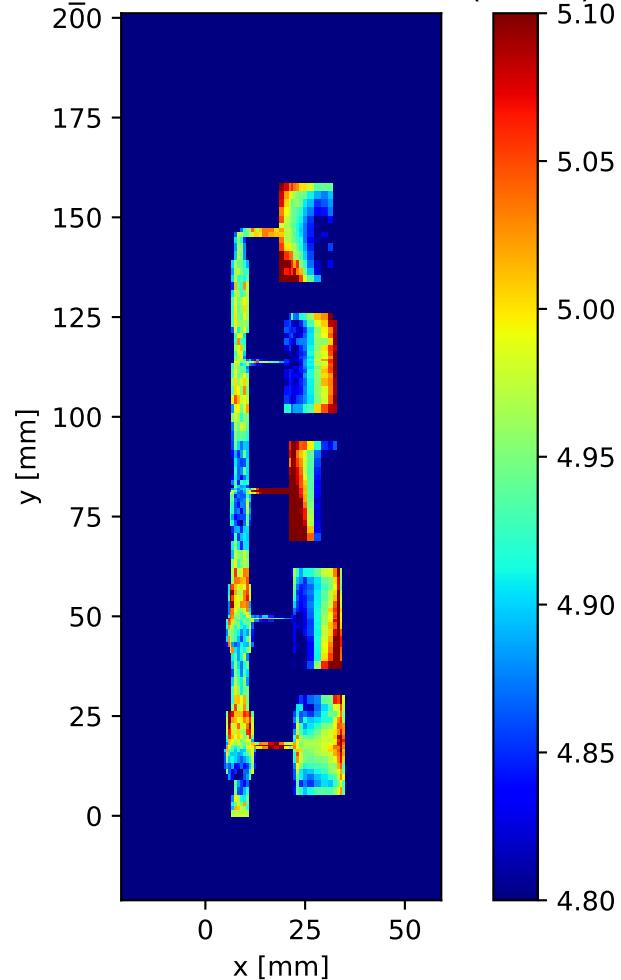
$|E_z|$  slice at  $z = 0.76$  mm (idx 10)



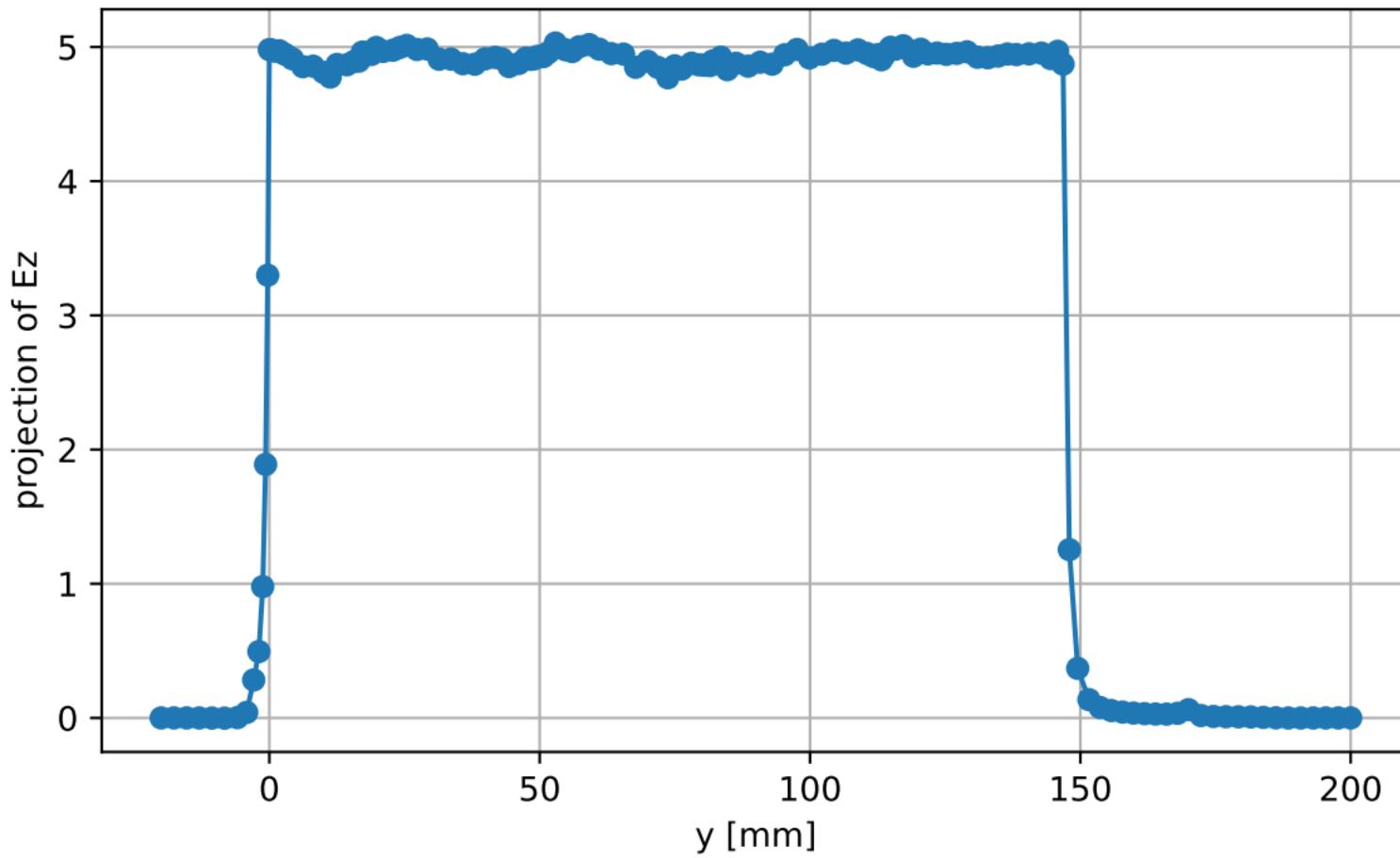
$|E_z|$  line cut along Y at  $x=9.20$  mm,  $z=0.76$  mm  
(idx  $x=20$ ,  $z=10$ )



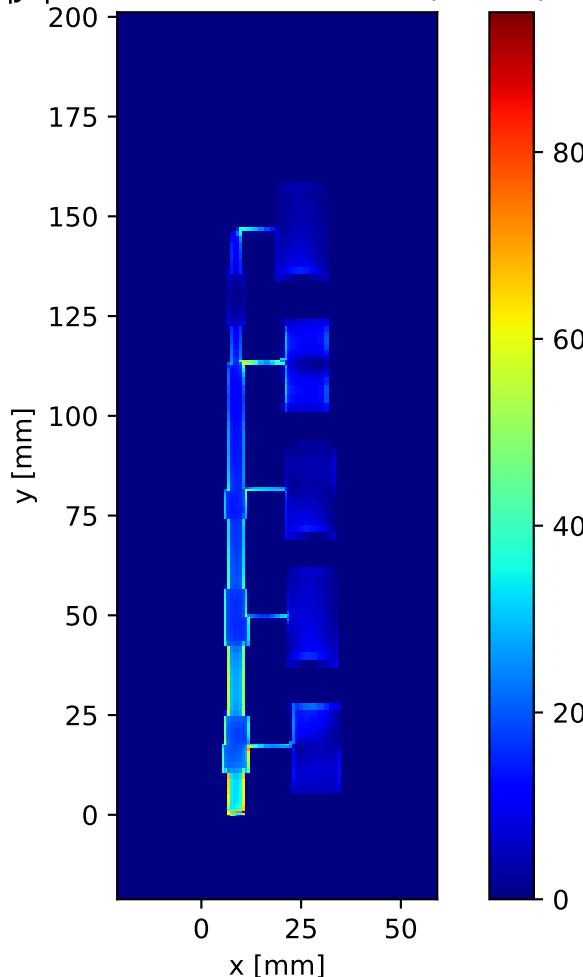
Real E\_fd slice at z = 0.76 mm (idx 10)



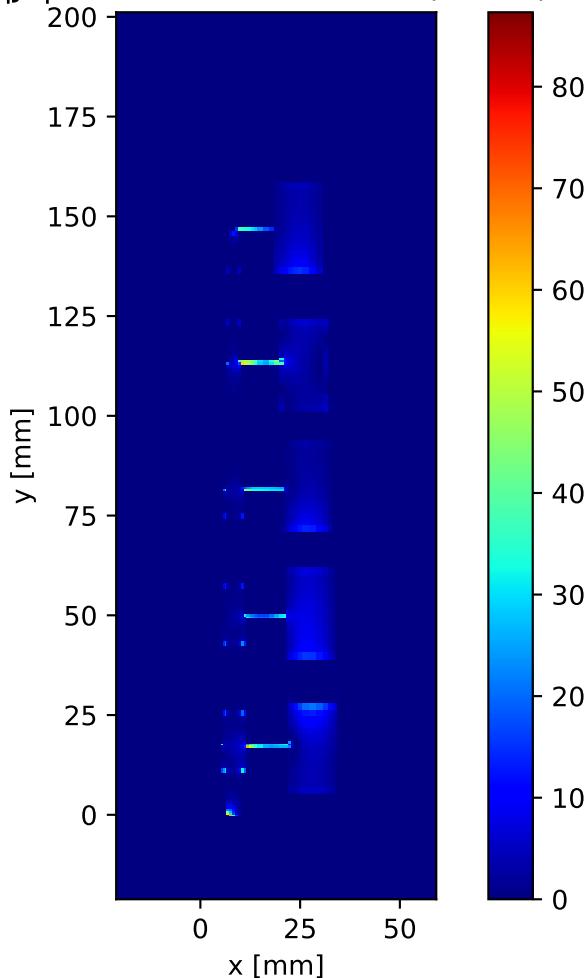
Real E\_fd line cut along Y at x=9.20 mm, z=0.76 mm  
(idx x=20, z=10)



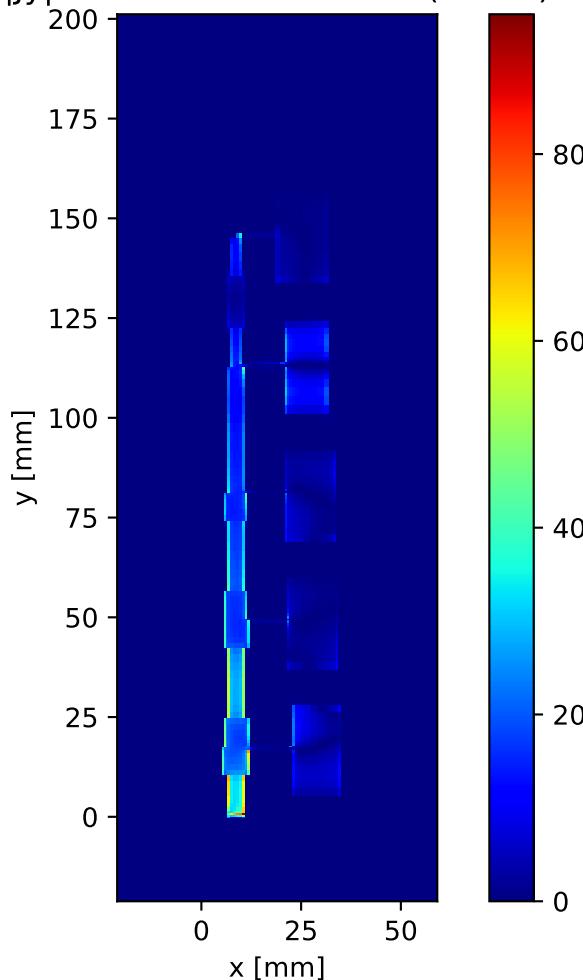
$|J_s|$  slice at  $z = 1.525$  mm (idx 12)



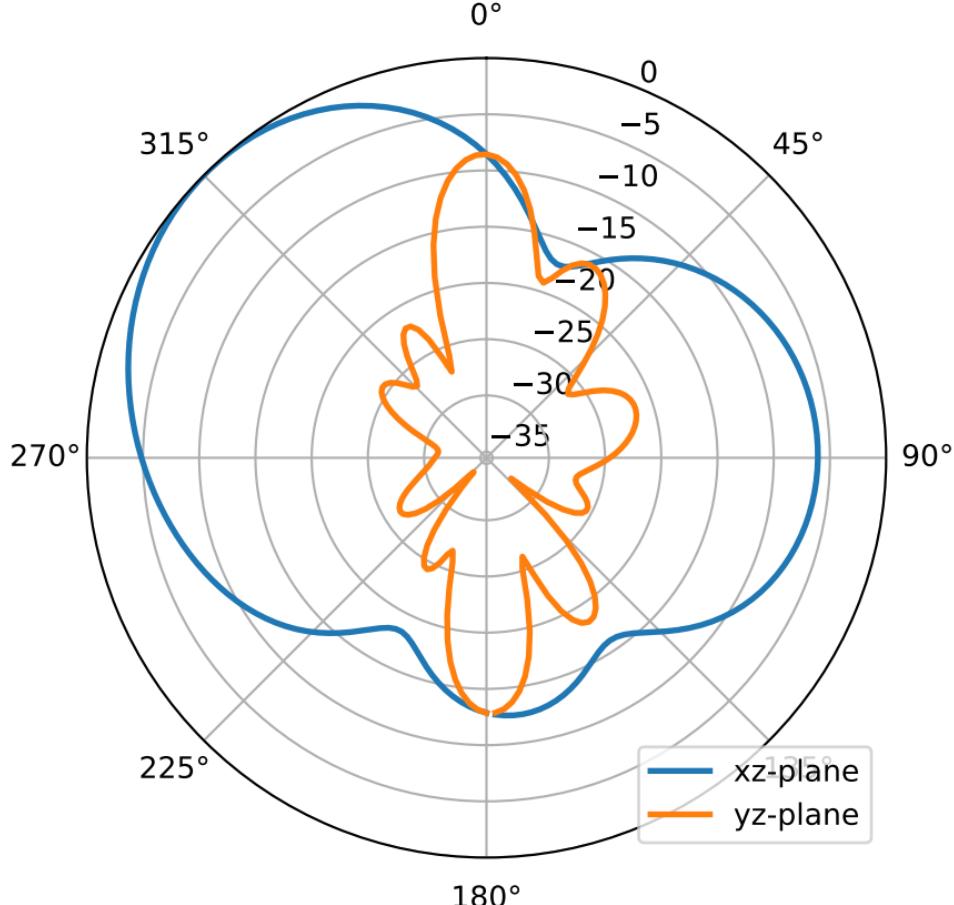
$|J_x|$  slice at  $z = 1.525$  mm (idx 12)



$|J_y|$  slice at  $z = 1.525$  mm (idx 12)



Frequency: 5.800 GHz — Directivity (dB). Dmax: 73.742dB



Frequency: 5.800 GHz

