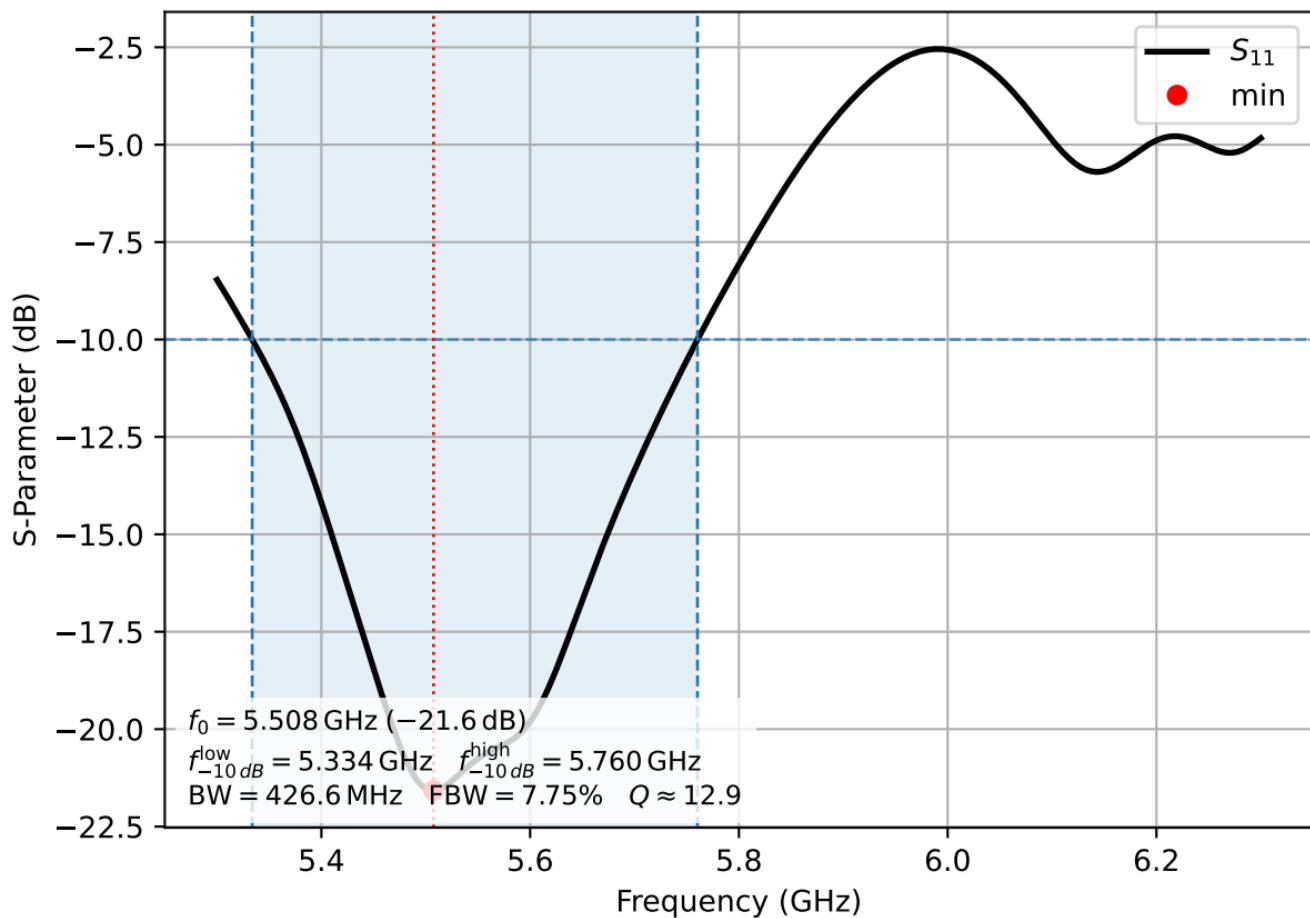
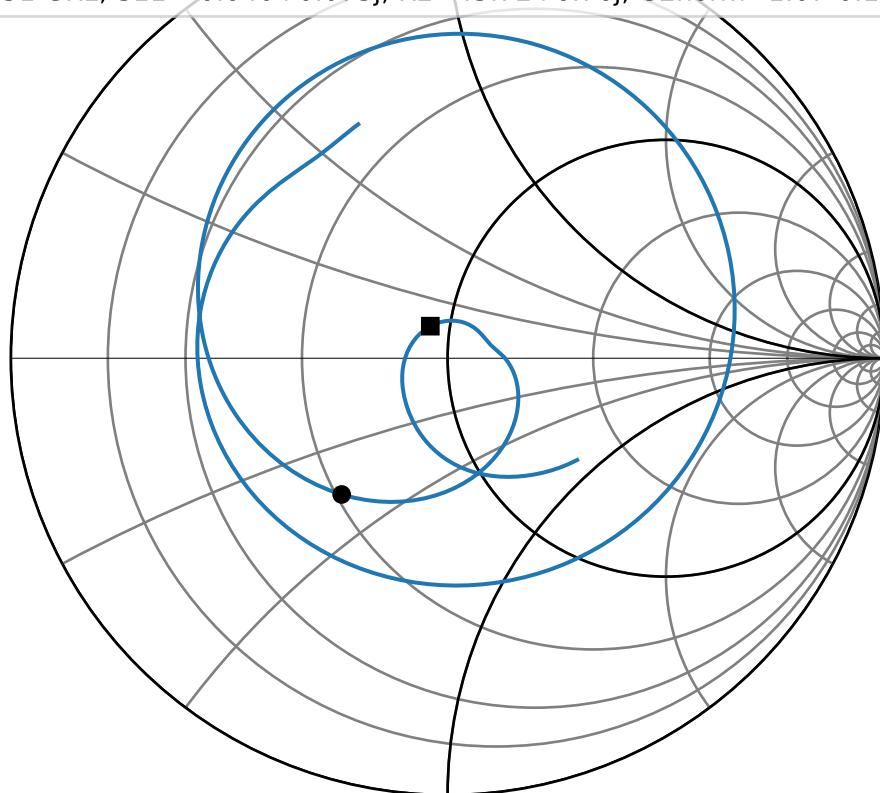


# Reflection Coefficient $S_{11}$

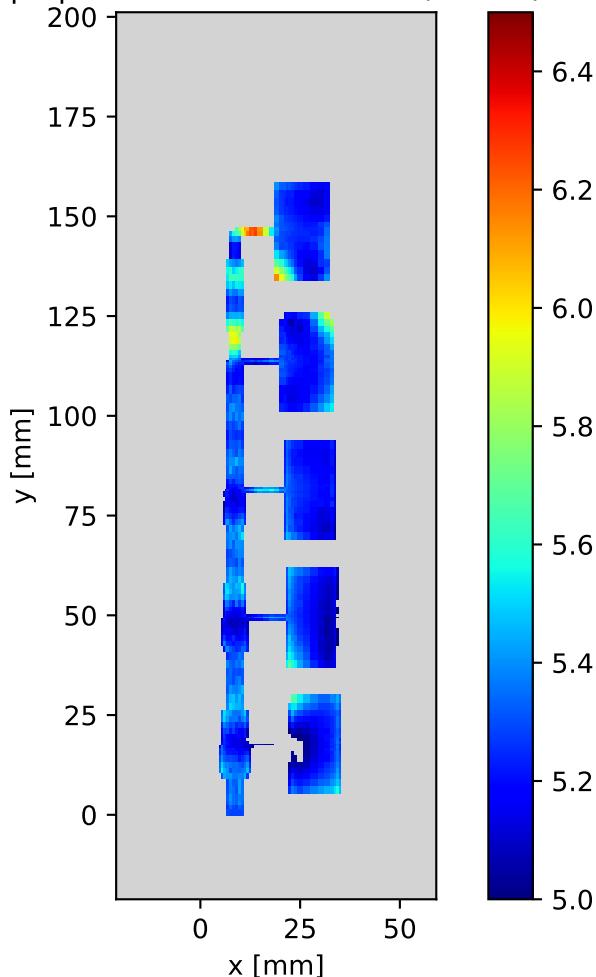


## Smith Chart

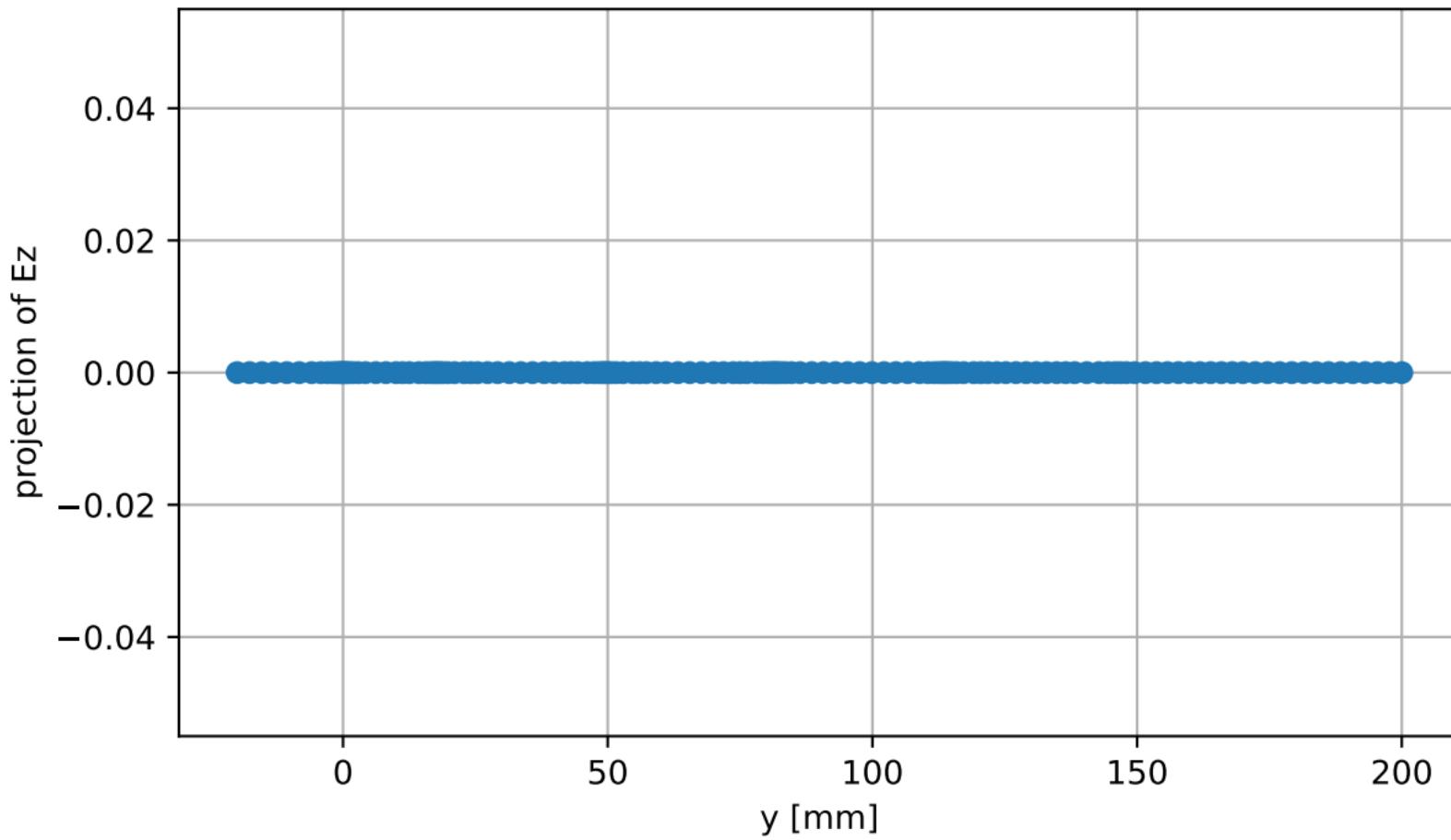
- S11 (Patch W=20.10 mm, L=10.70 mm)
- 5.80 GHz,  $S_{11} = -0.243 - 0.312j$ ,  $R = 25.71 - 19.00j$ ,  $G_{norm} = 1.26 + 0.93j$
- 5.51 GHz,  $S_{11} = -0.040 + 0.073j$ ,  $R_2 = 45.72 + 6.76j$ ,  $G_{2norm} = 1.07 - 0.16j$



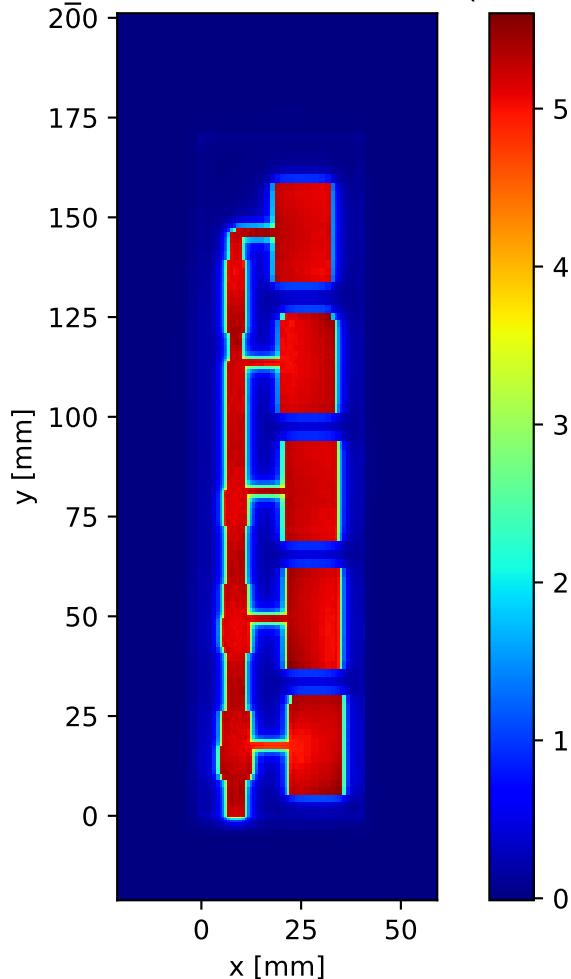
$|E_z|$  slice at  $z = 0.76$  mm (idx 10)



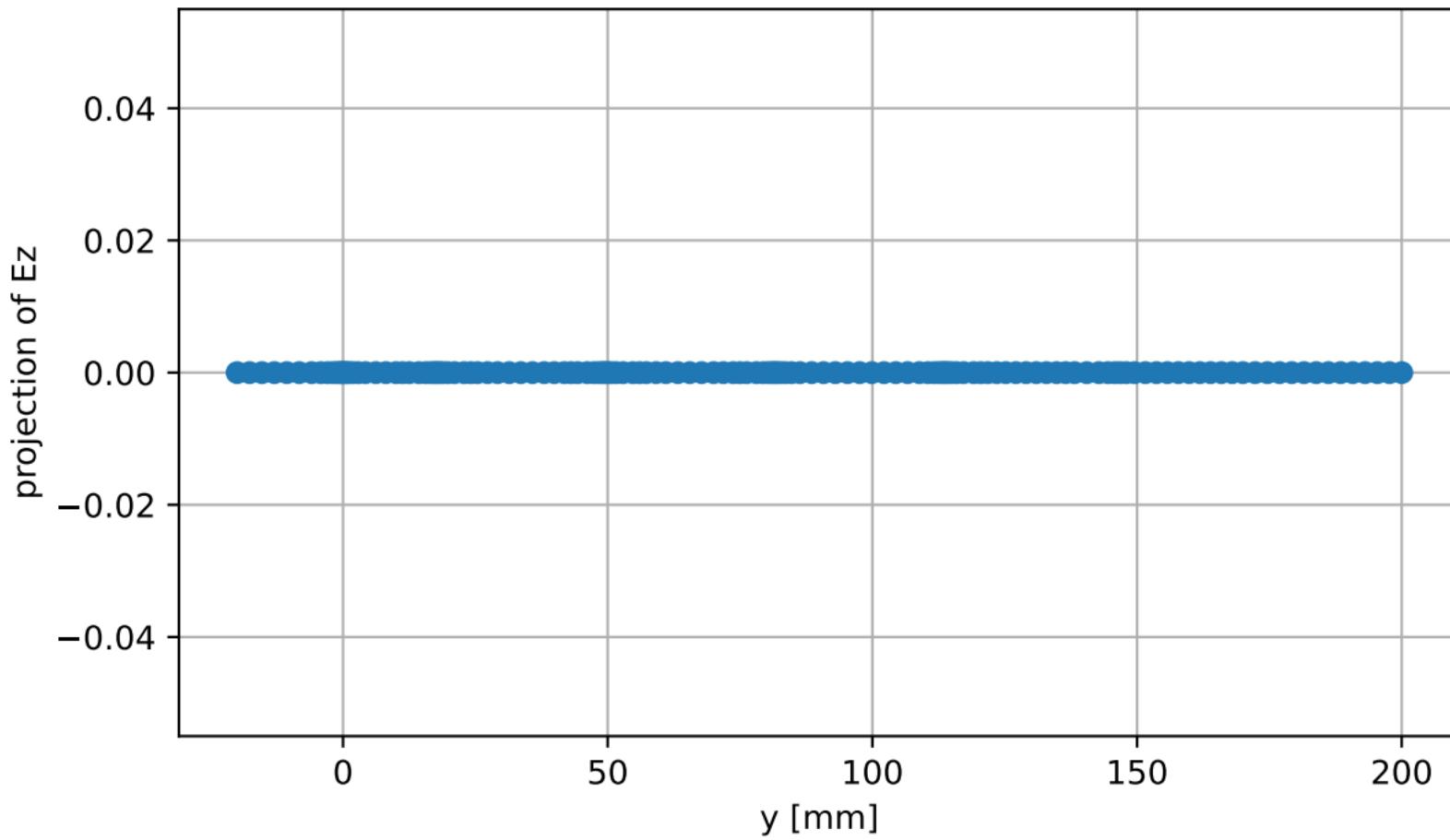
$|E_z|$  line cut along Y at  $x=58.00$  mm,  $z=0.76$  mm  
(idx  $x=58$ ,  $z=10$ )



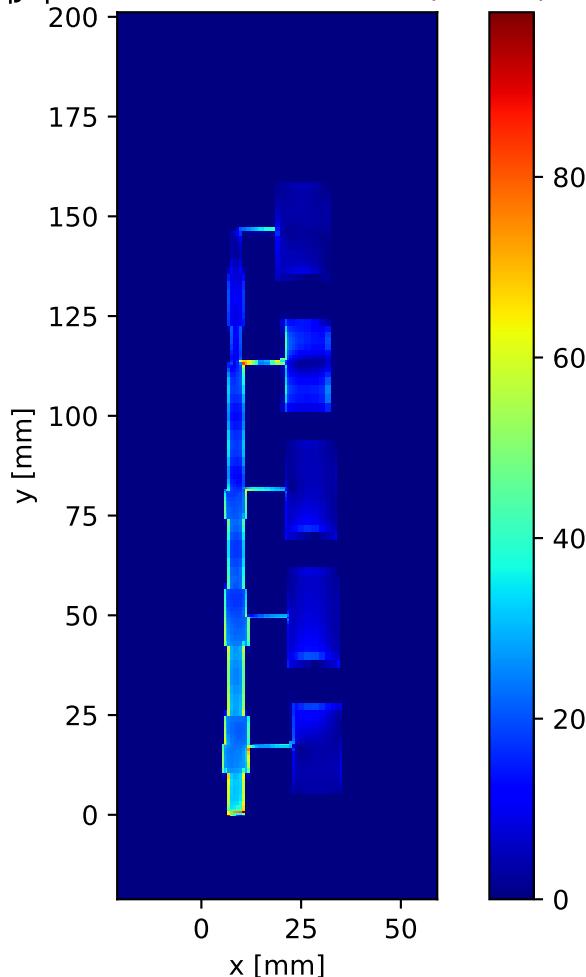
Real E\_fd slice at z = 0.76 mm (idx 10)



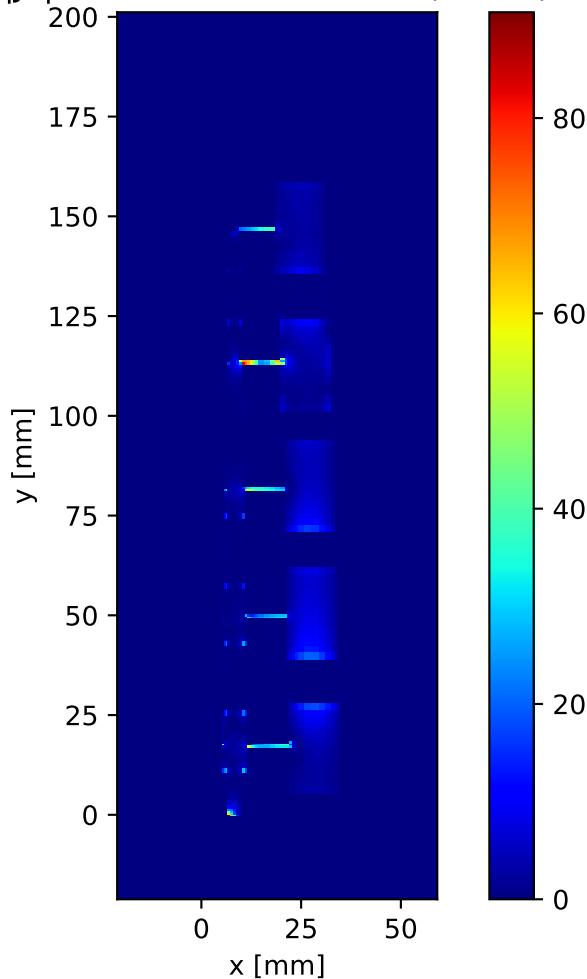
Real E\_fd line cut along Y at x=58.00 mm, z=0.76 mm  
(idx x=58, z=10)



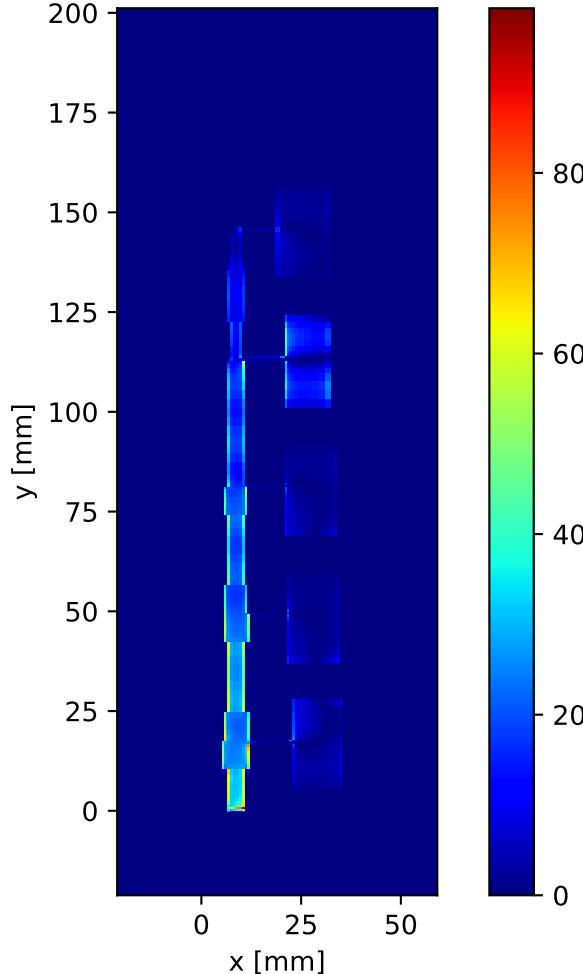
$|J_s|$  slice at  $z = 1.525$  mm (idx 12)



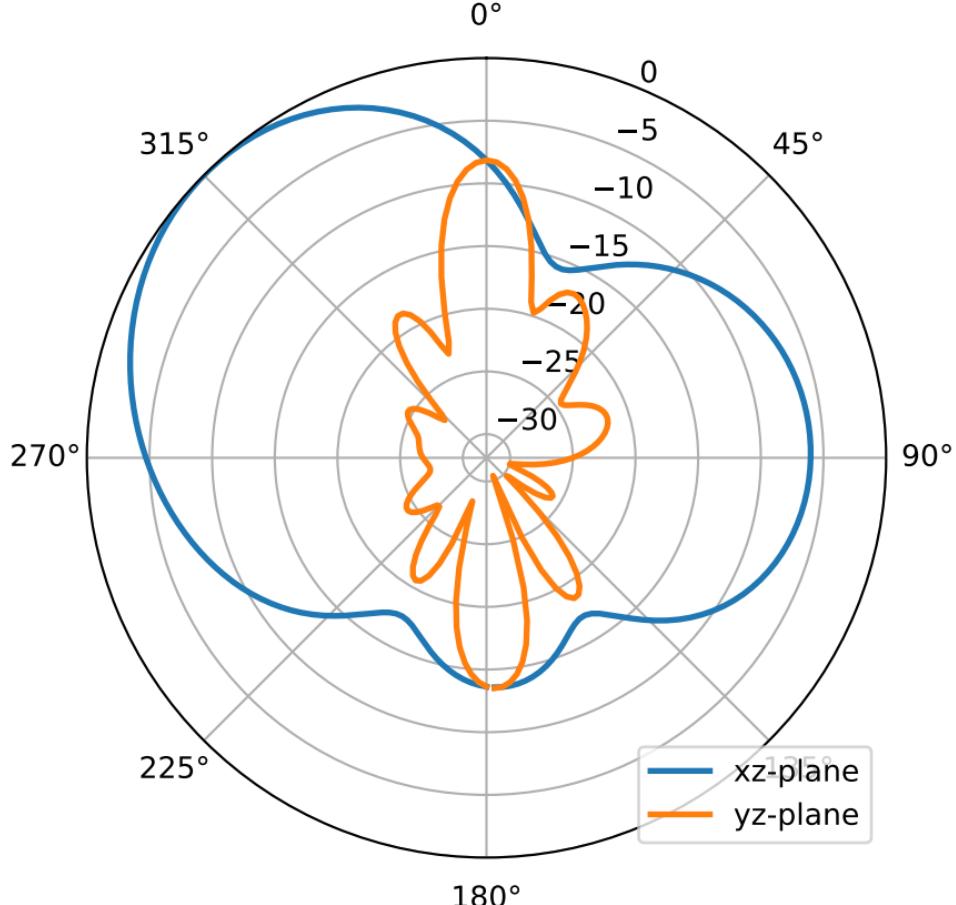
$|J_x|$  slice at  $z = 1.525$  mm (idx 12)



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



Frequency: 5.800 GHz — Directivity (dB). Dmax: 86.212dB



Frequency: 5.800 GHz

