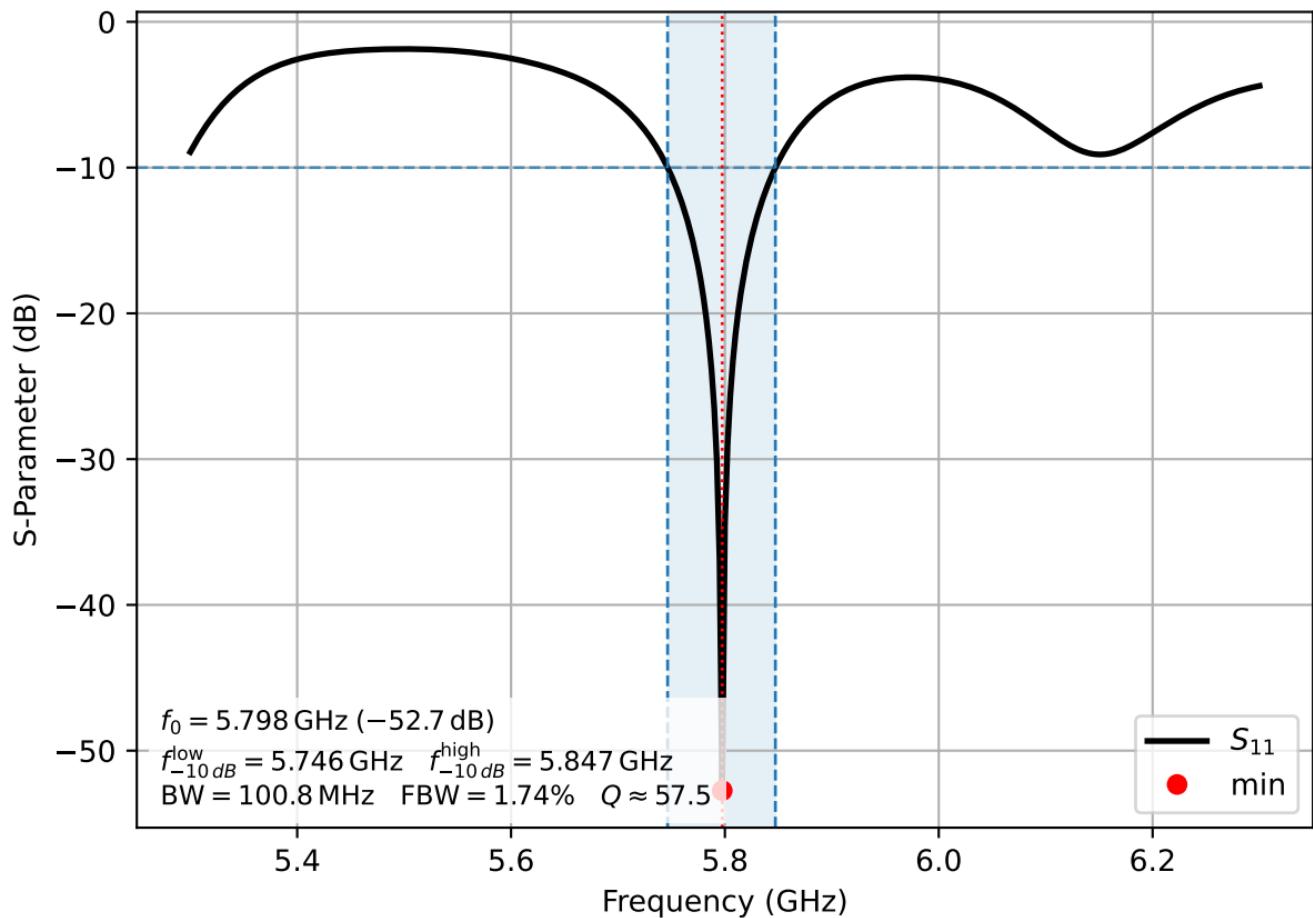
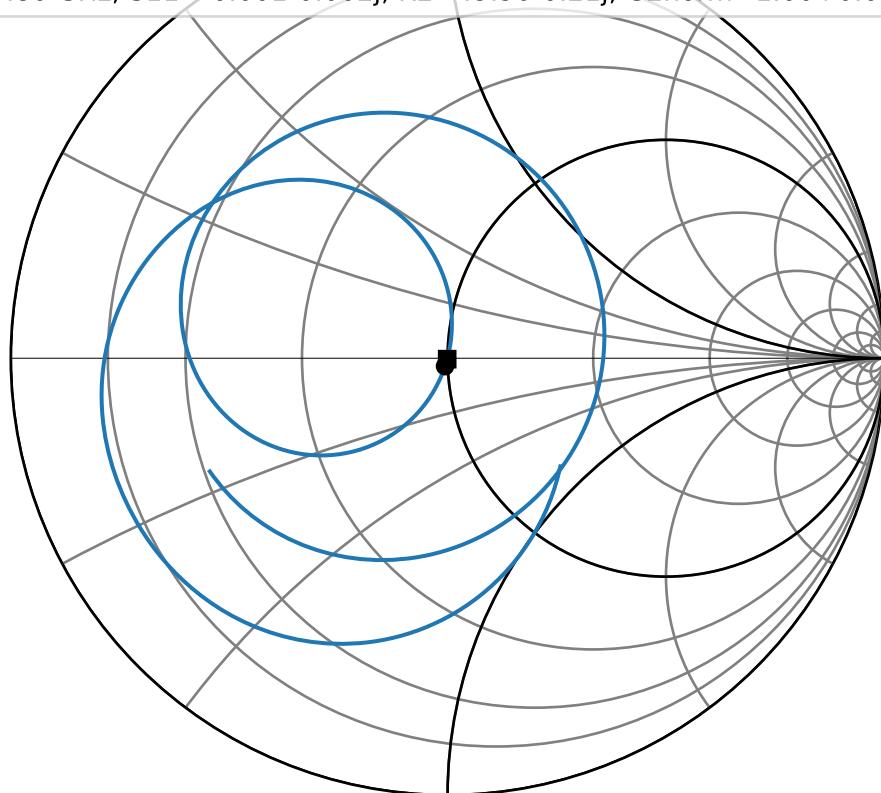


# Reflection Coefficient $S_{11}$

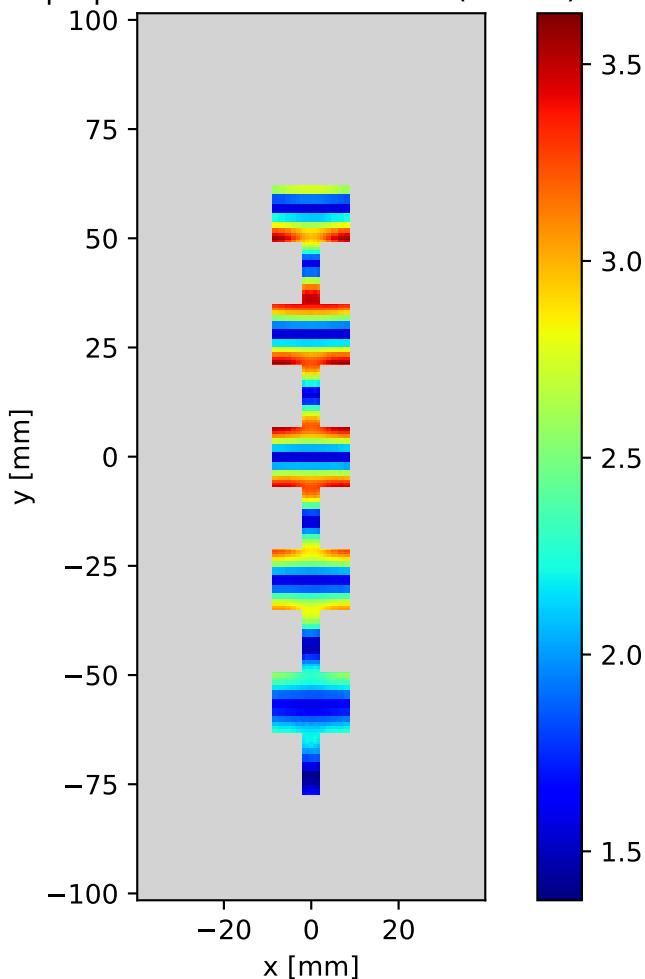


## Smith Chart

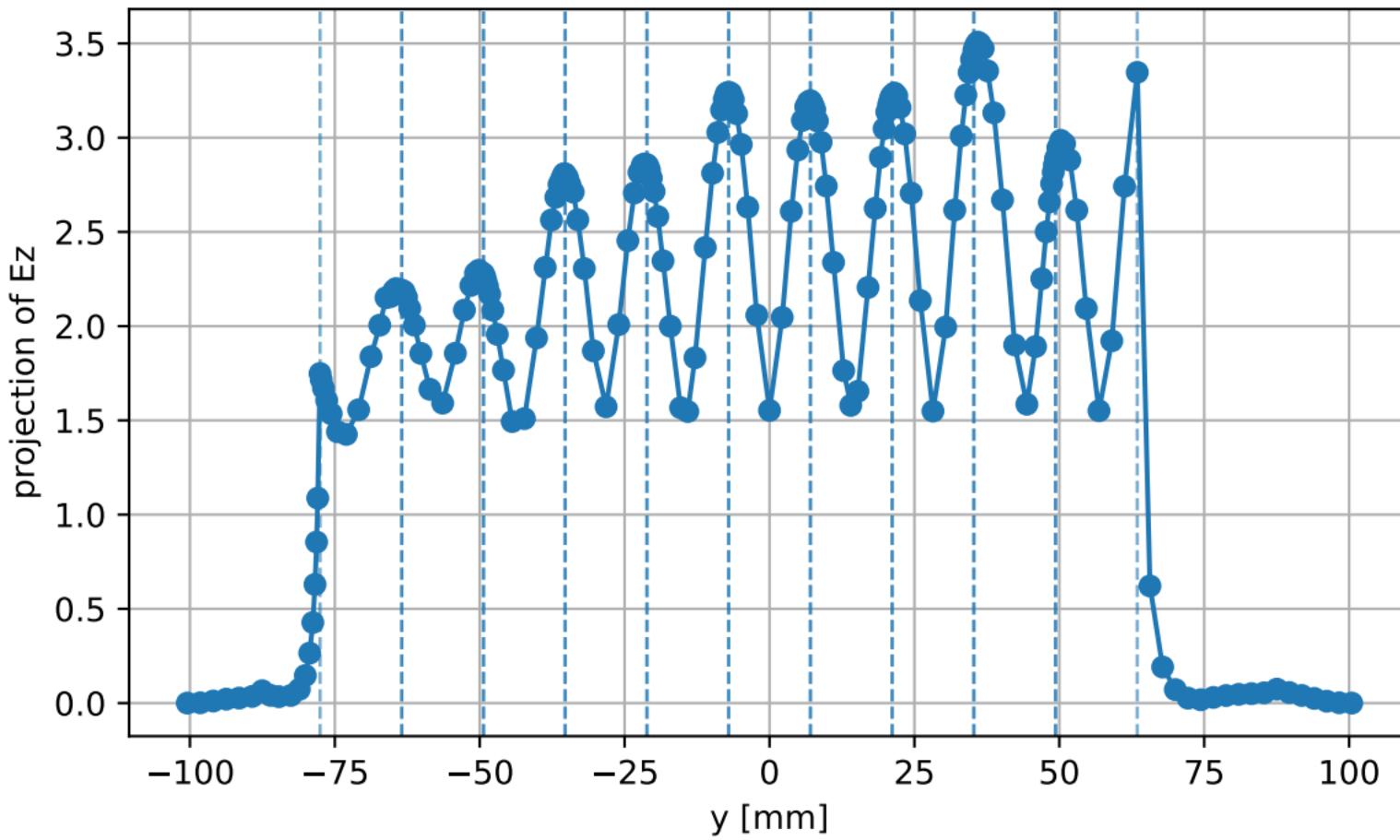
- S11 (Patch W=19.00 mm, L=14.10 mm)
- 5.80 GHz,  $S_{11}=-0.006-0.018j$ ,  $R=49.39-1.78j$ ,  $G_{norm}=1.01+0.04j$
- 5.80 GHz,  $S_{11}=-0.001-0.002j$ ,  $R=49.90-0.21j$ ,  $G_{2norm}=1.00+0.00j$



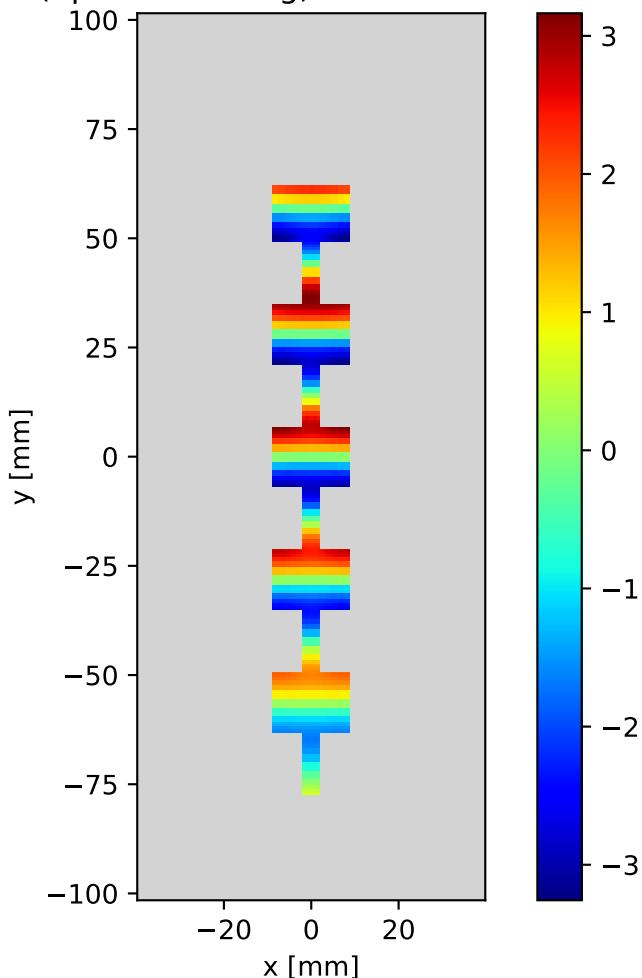
$|E_z|$  slice at  $z = 0.76$  mm (idx 13)



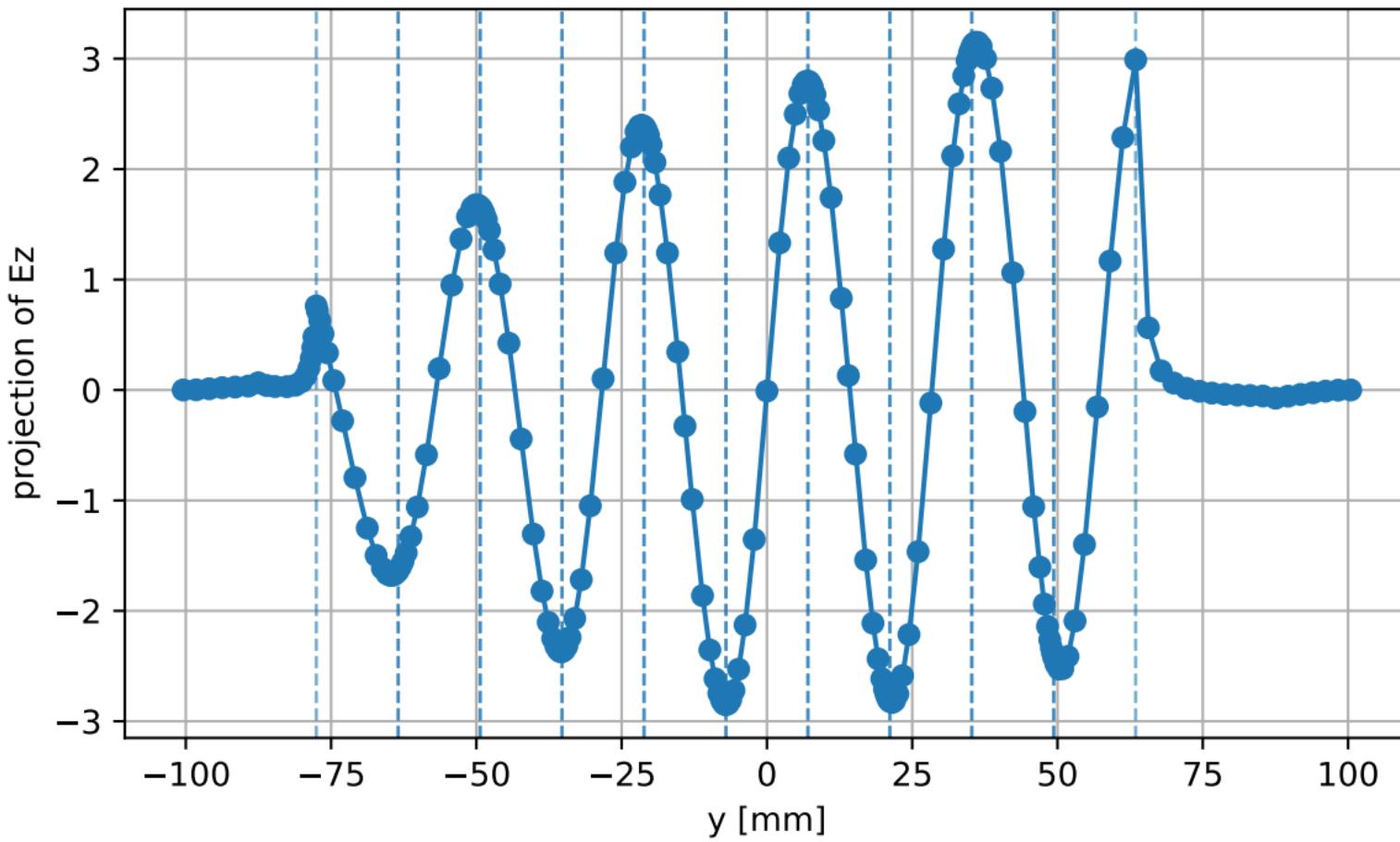
$|E_z|$  line cut along Y at  $x=0.00$  mm,  $z=0.76$  mm  
(idx  $x=23$ ,  $z=13$ )



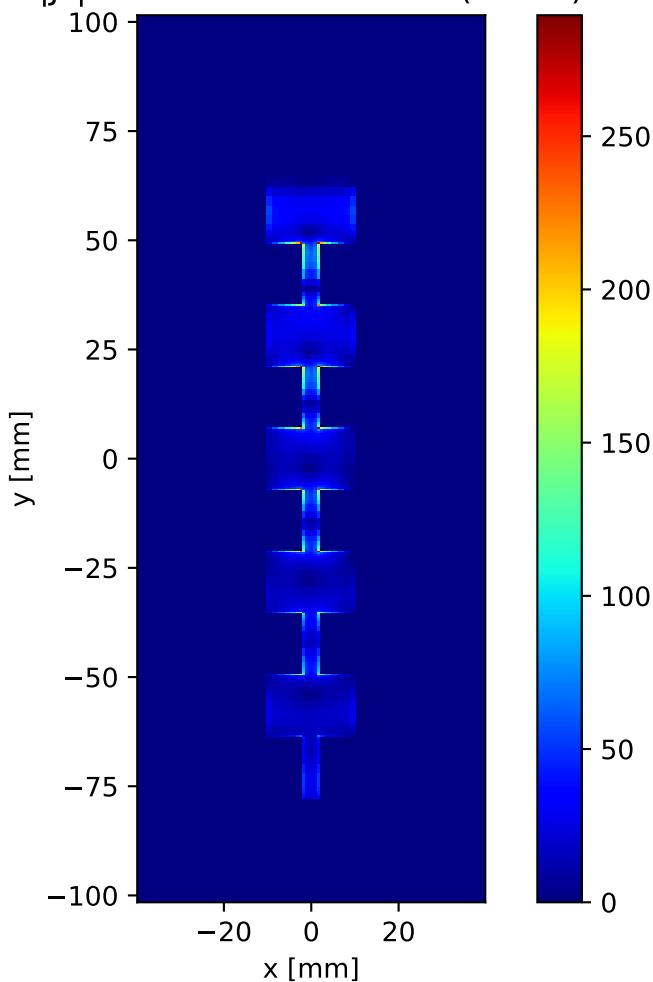
Ez snapshot (dphi=89.46deg) slice at z = 0.76 mm (idx 13)



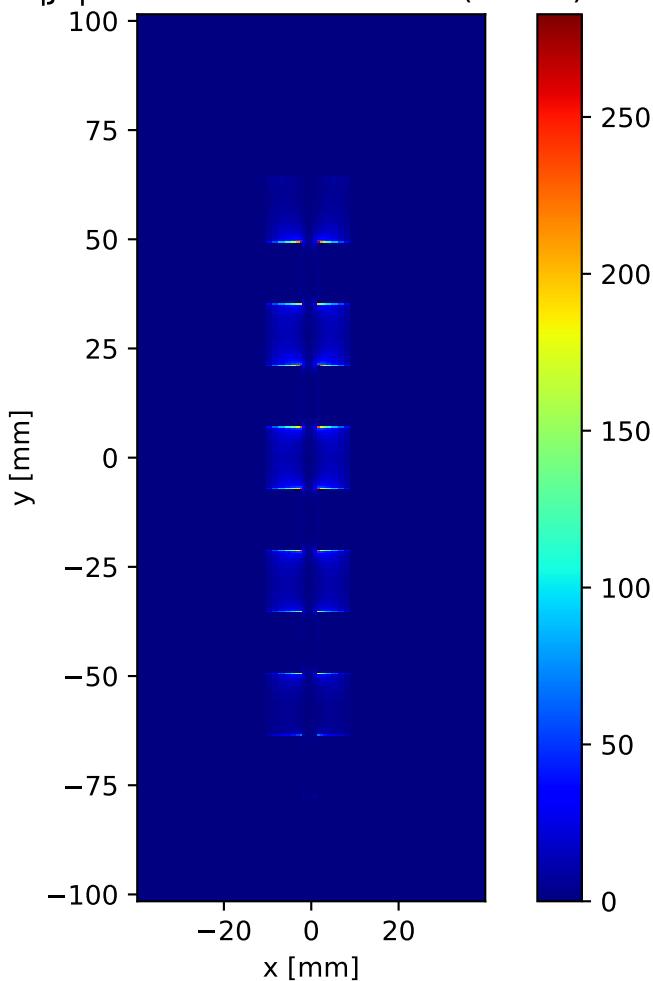
Ez snapshot (dphi=89.46deg) line cut along Y at x=0.00 mm, z=0.76 mm  
(idx x=23, z=13)



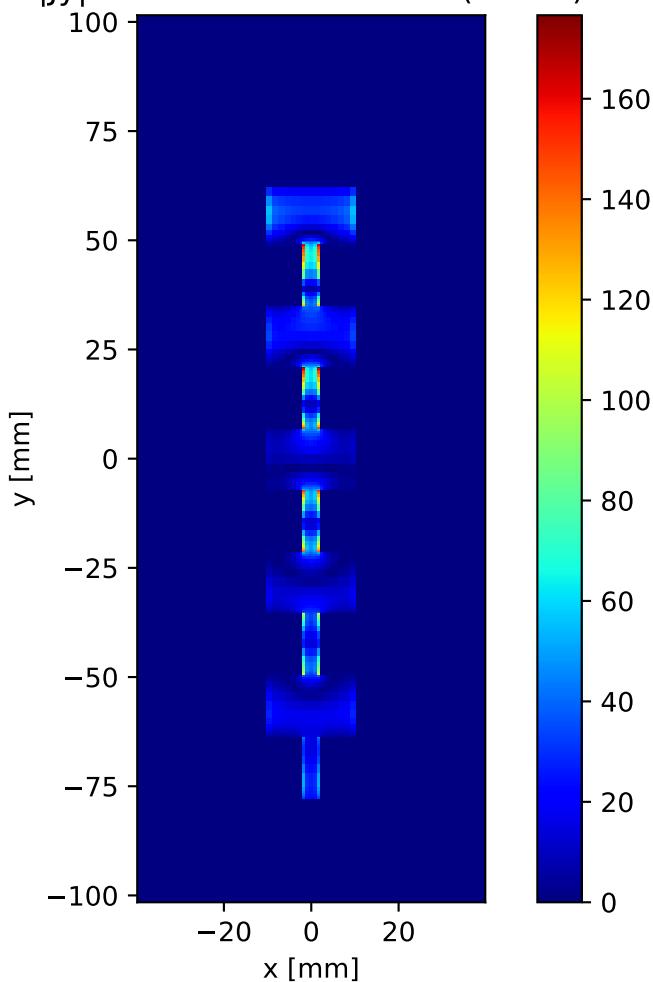
$|J_s|$  slice at  $z = 1.524$  mm (idx 15)



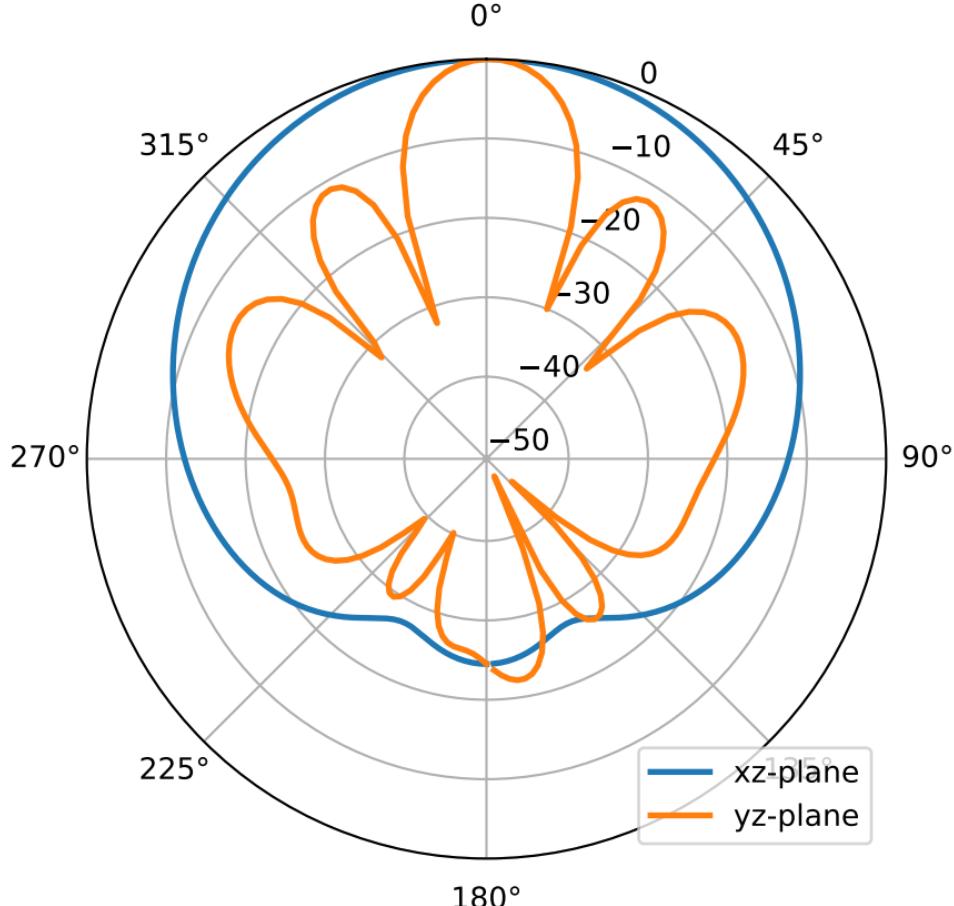
$|J_x|$  slice at  $z = 1.524$  mm (idx 15)



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



Frequency: 5.800 GHz — Directivity (dB). Dmax: 20.787dB



Frequency: 5.800 GHz

