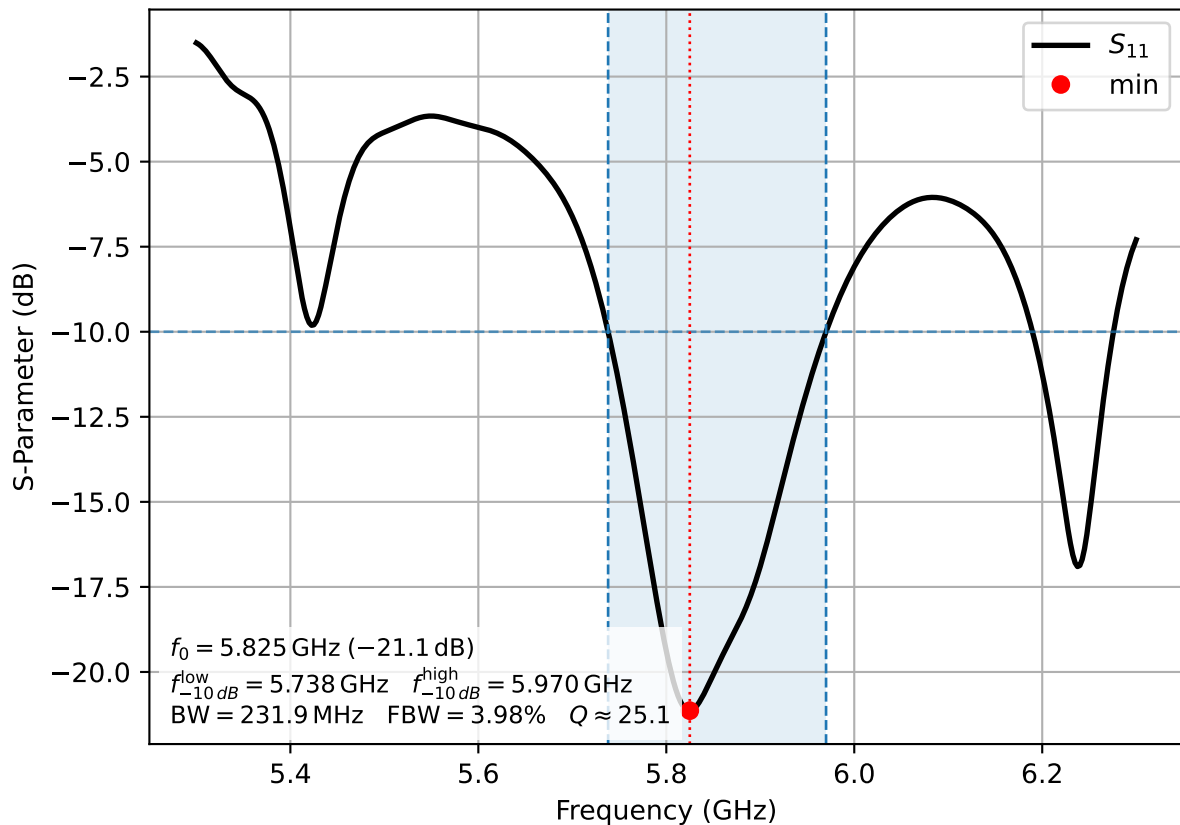
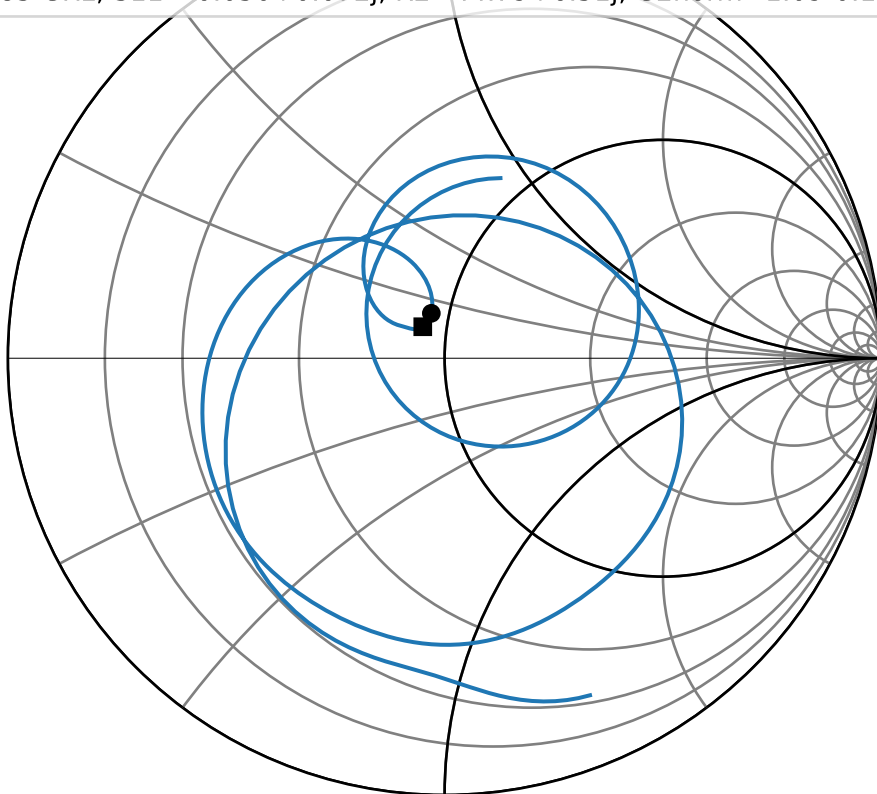


# Reflection Coefficient $S_{11}$

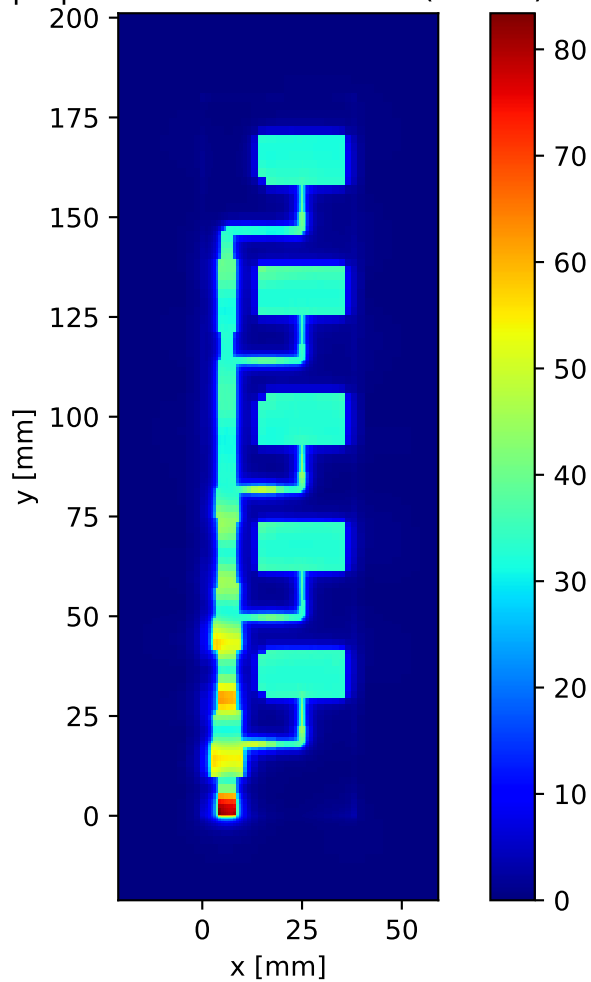


# Smith Chart

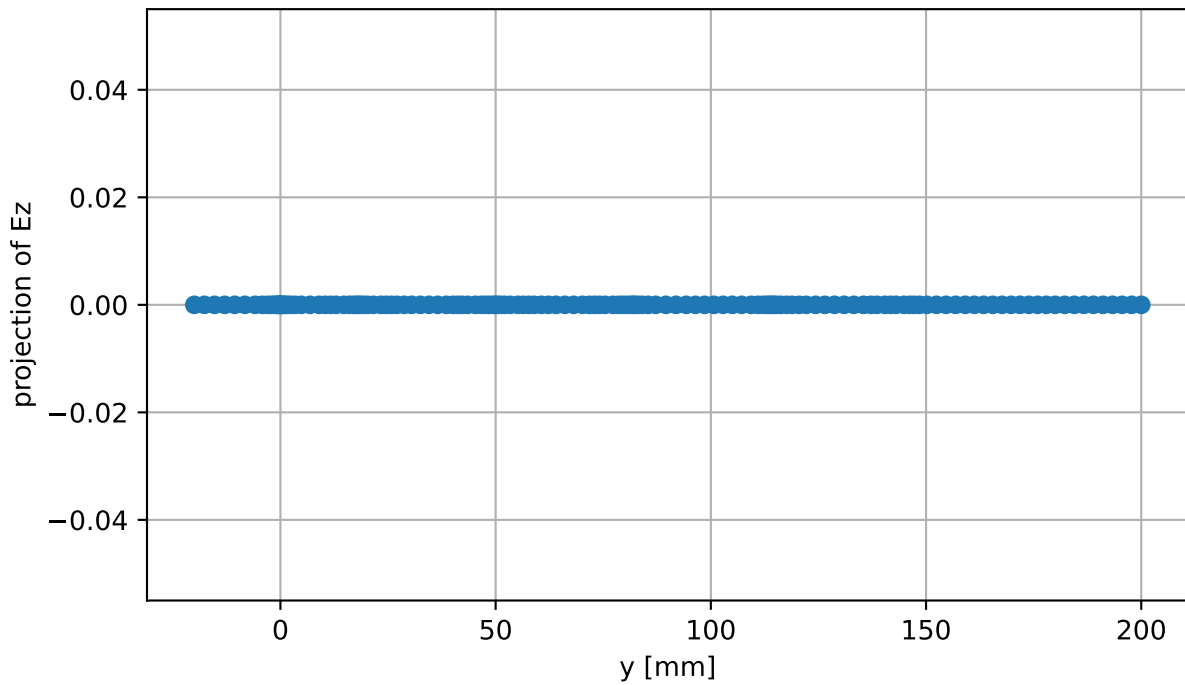
- S11 (Patch W=20.10 mm, L=10.70 mm)
- 5.80 GHz, S11=-0.030+0.103j, R=46.10+9.59j, Gnorm=1.04-0.22j
- 5.83 GHz, S11=-0.050+0.072j, R2=44.79+6.51j, G2norm=1.09-0.16j



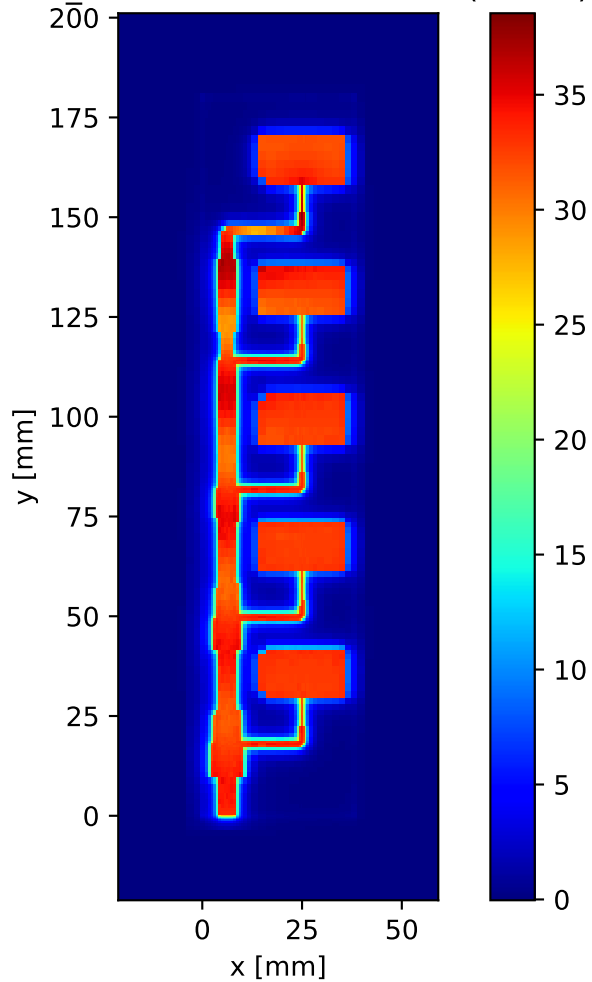
$|E_z|$  slice at  $z = 0.76$  mm (idx 10)



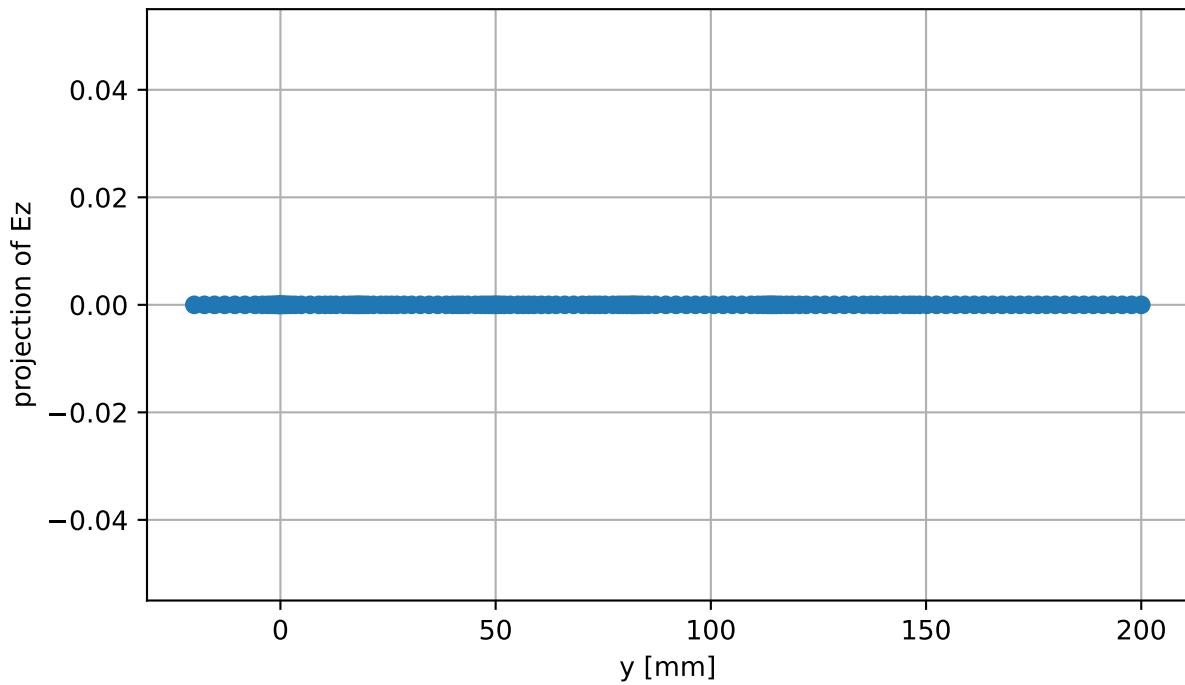
$|E_z|$  line cut along Y at  $x=58.00$  mm,  $z=0.76$  mm  
(idx  $x=59$ ,  $z=10$ )



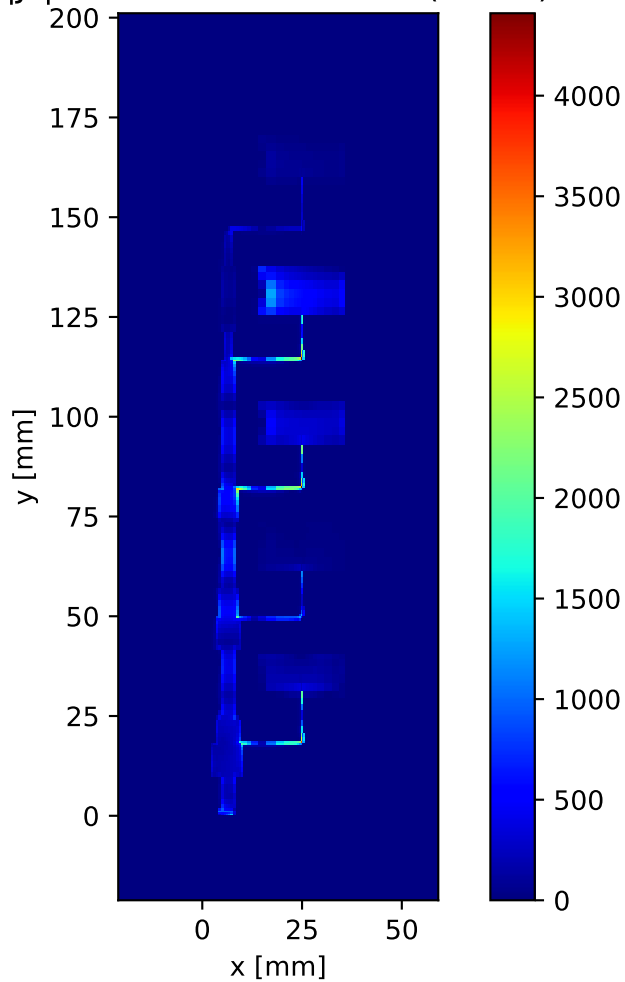
Real E<sub>fd</sub> slice at z = 0.76 mm (idx 10)



Real E\_fd line cut along Y at x=58.00 mm, z=0.76 mm  
(idx x=59, z=10)

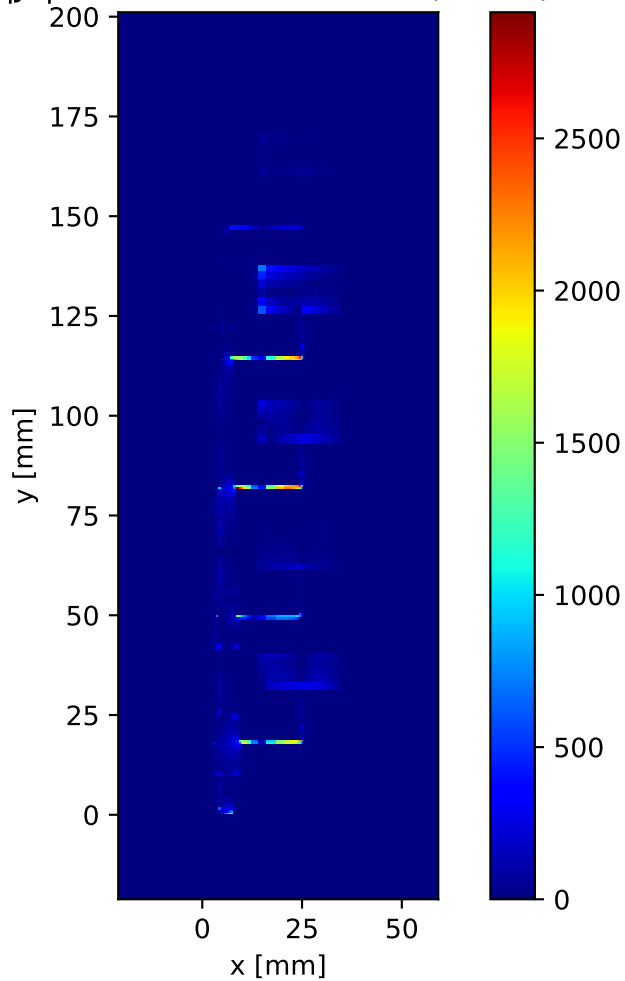


$|J_s|$  slice at  $z = 1.525$  mm (idx 12)

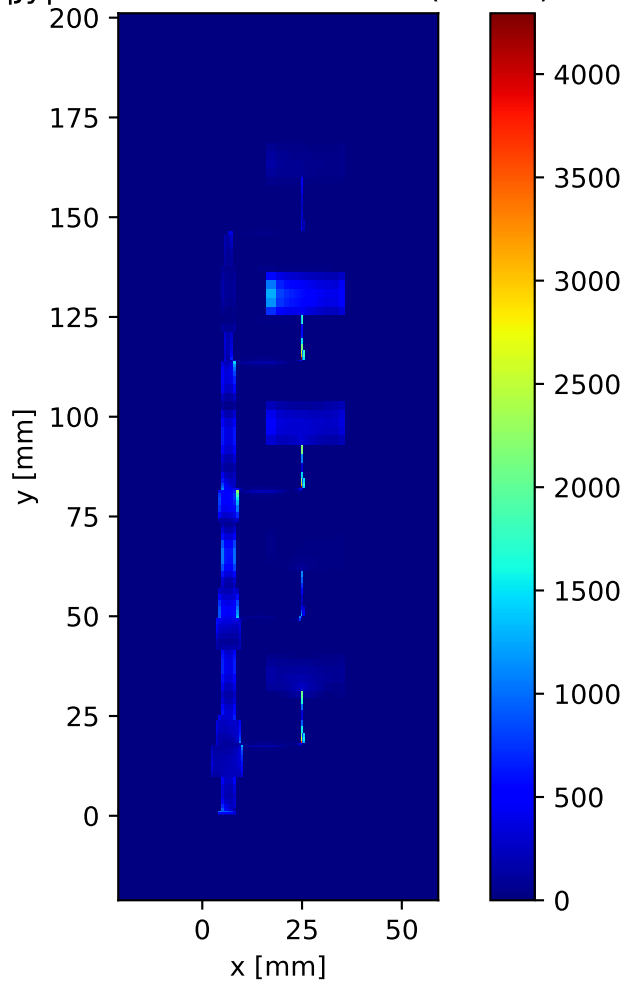




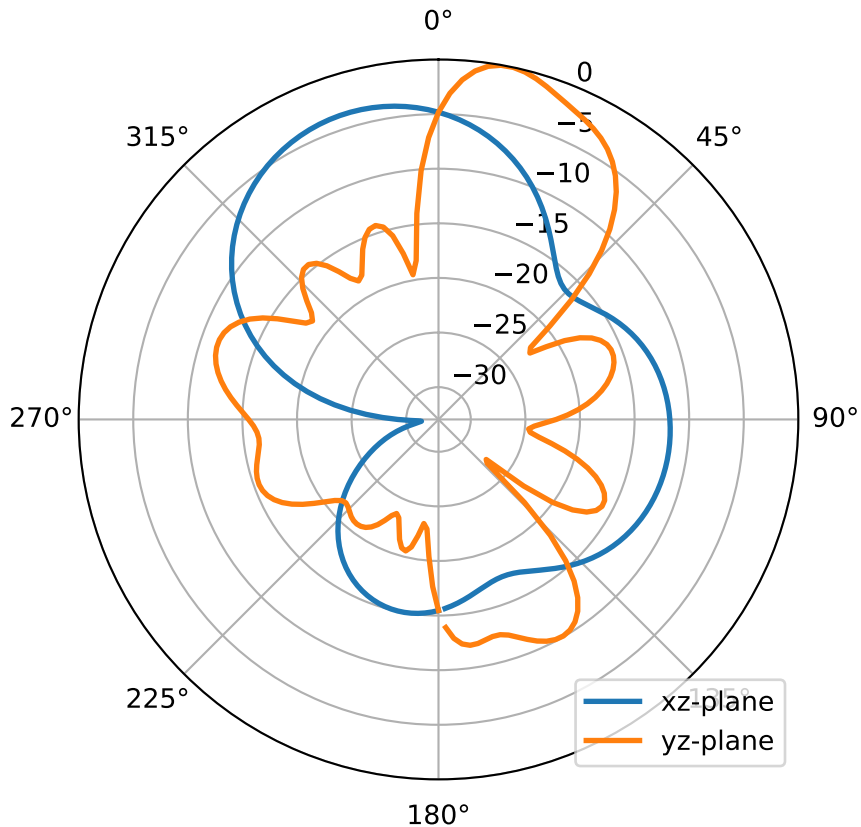
$|J_x|$  slice at  $z = 1.525$  mm (idx 12)



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



Frequency: 5.800 GHz — Directivity (dB). Dmax: 15.638dB



Frequency: 5.800 GHz

