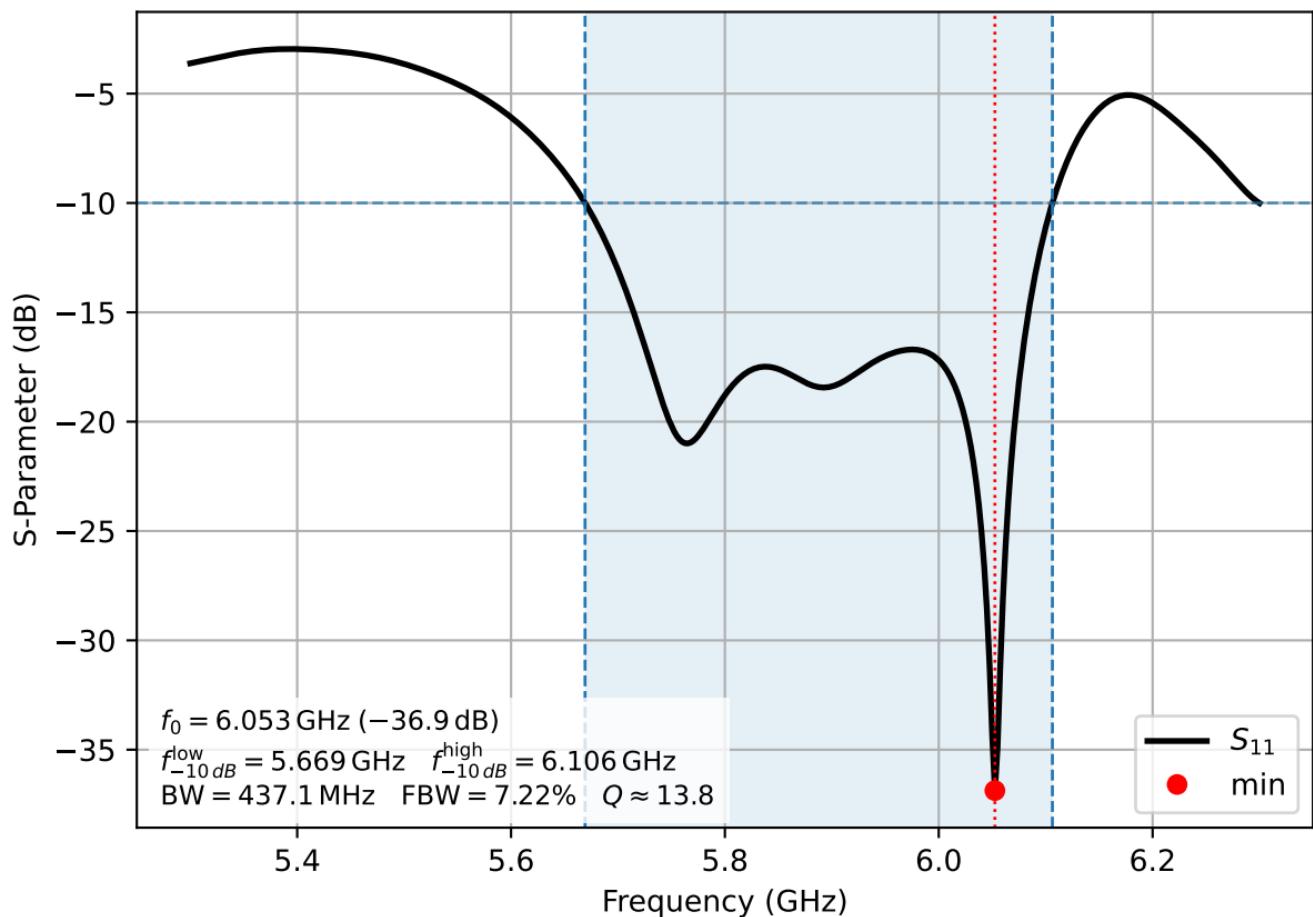
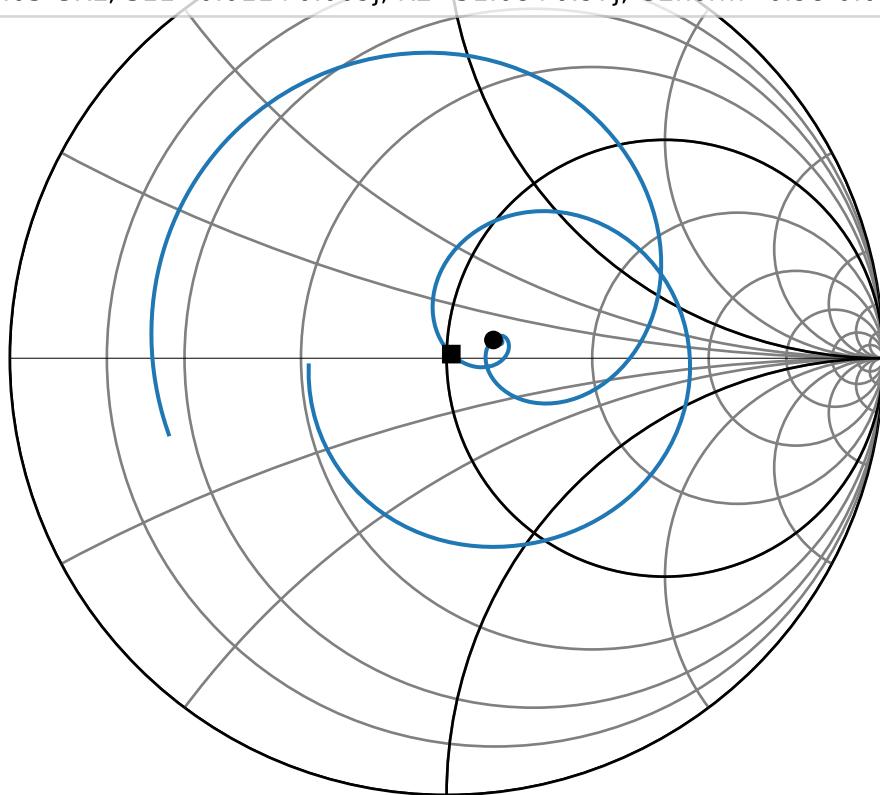


Reflection Coefficient S_{11}

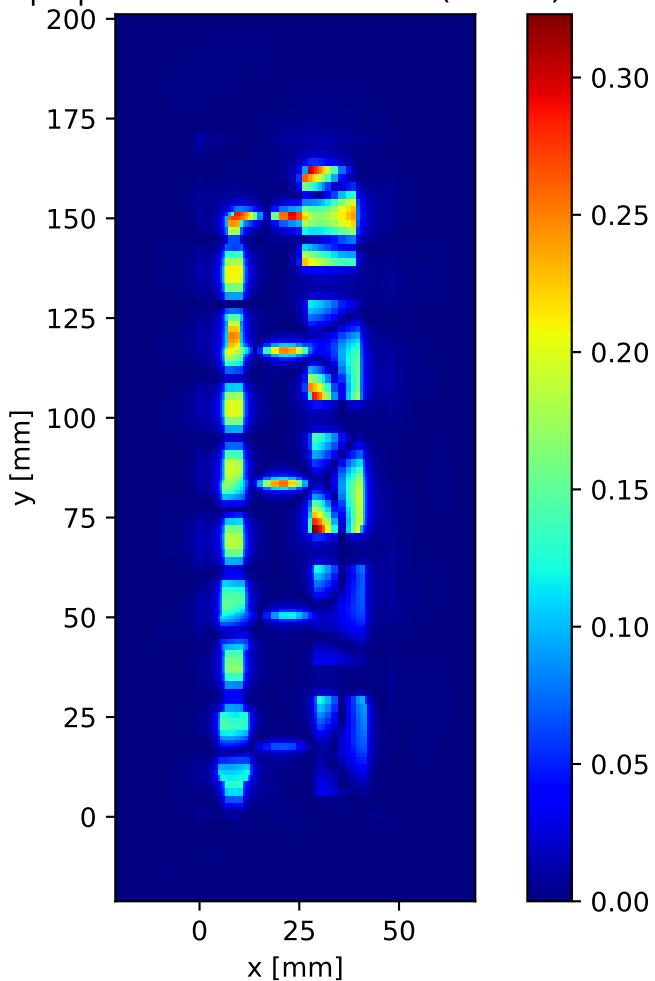


Smith Chart

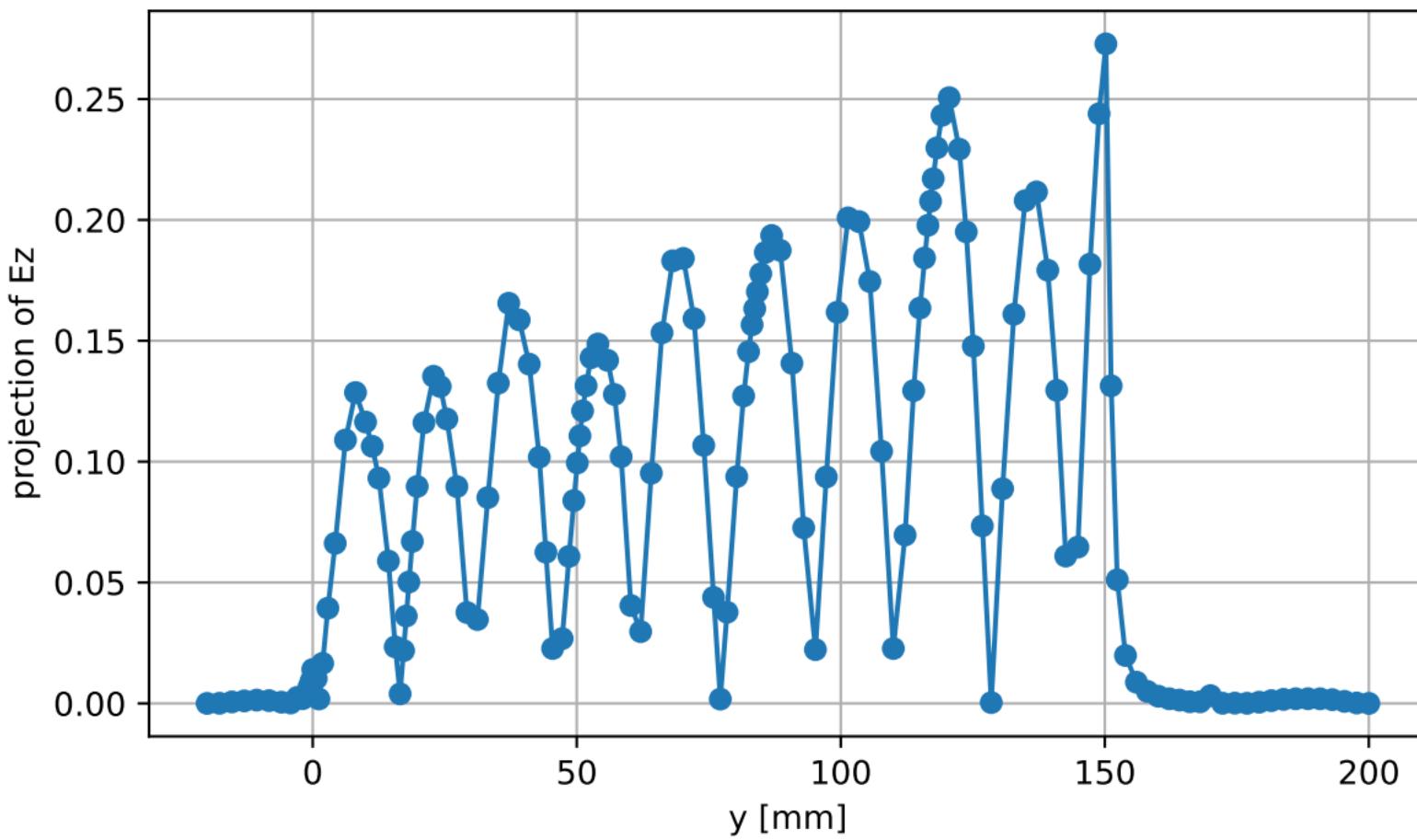
- S11 (Patch W=20.10 mm, L=10.70 mm)
- 5.80 GHz, $S_{11}=0.107+0.042j$, $R=61.76+5.23j$, $G_{norm}=0.80-0.07j$
- 6.05 GHz, $S_{11}=0.011+0.009j$, $R=51.08+0.97j$, $G2_{norm}=0.98-0.02j$



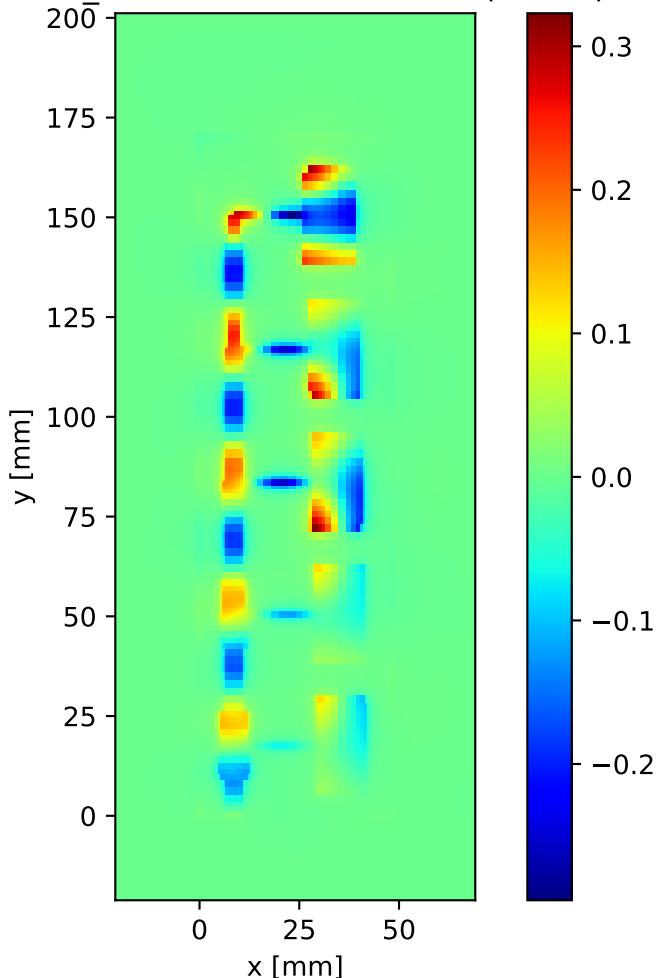
$|E_z|$ slice at $z = 0.76$ mm (idx 10)



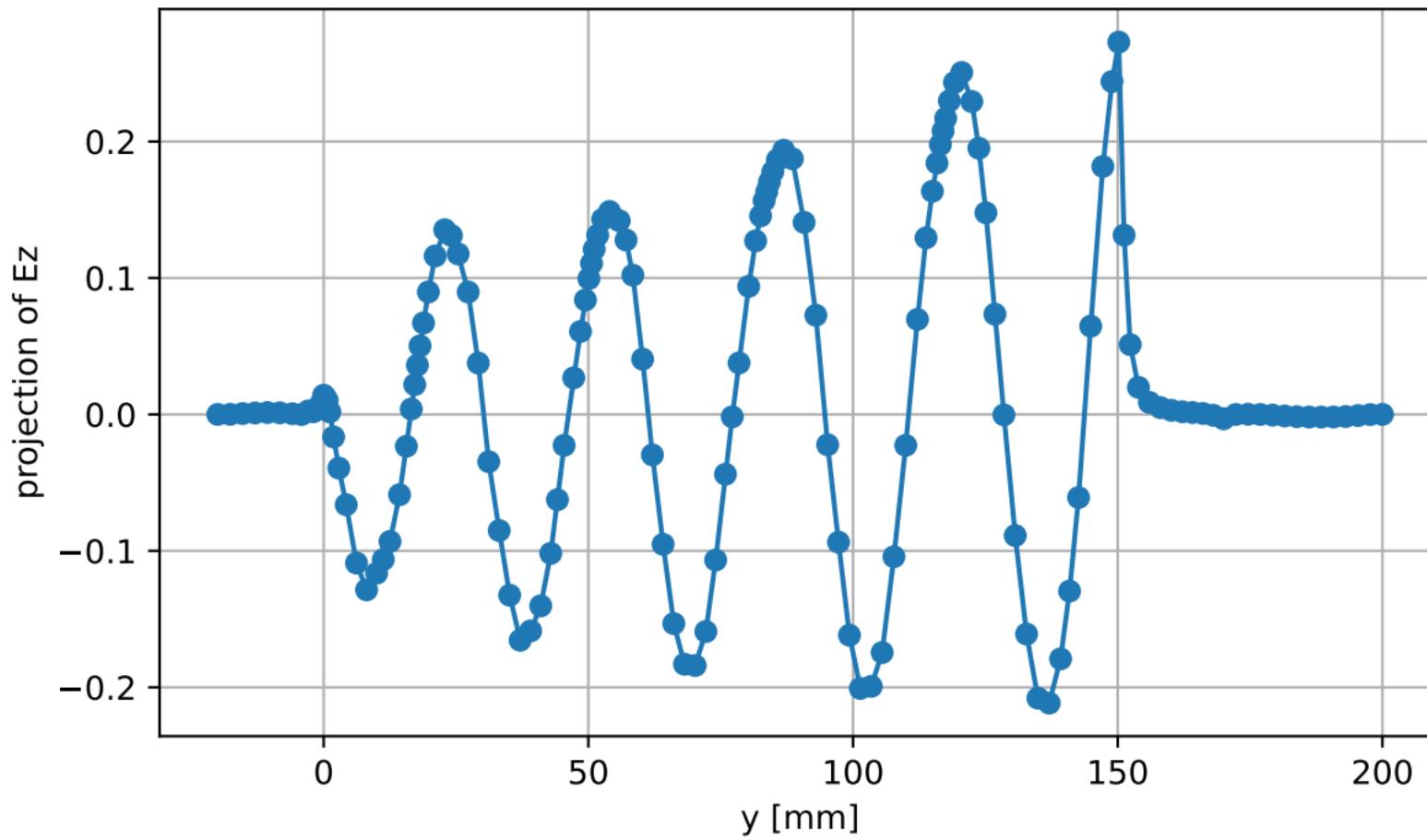
$|E_z|$ line cut along Y at $x=8.20$ mm, $z=0.76$ mm
(idx $x=19$, $z=10$)



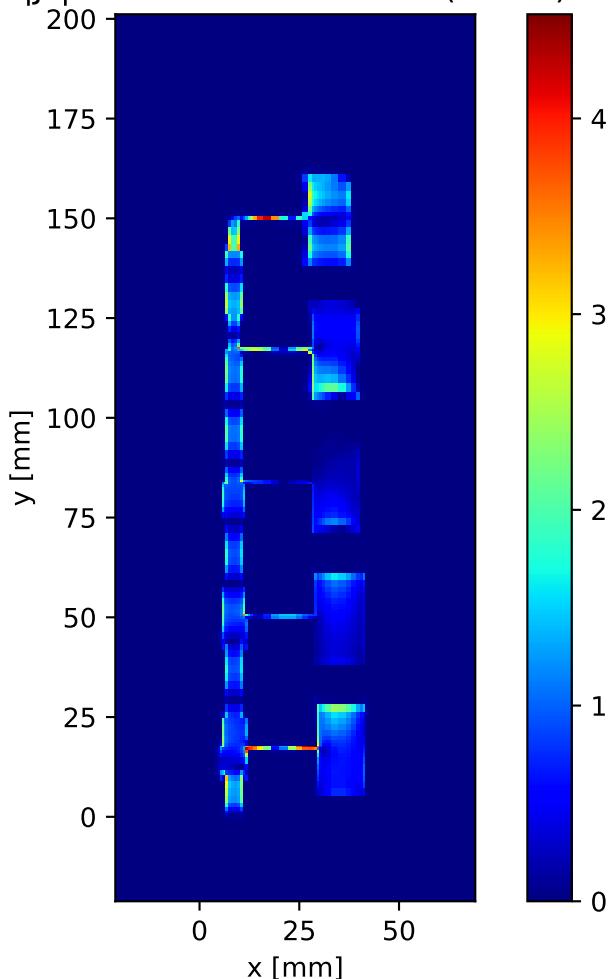
Real E_fd slice at z = 0.76 mm (idx 10)



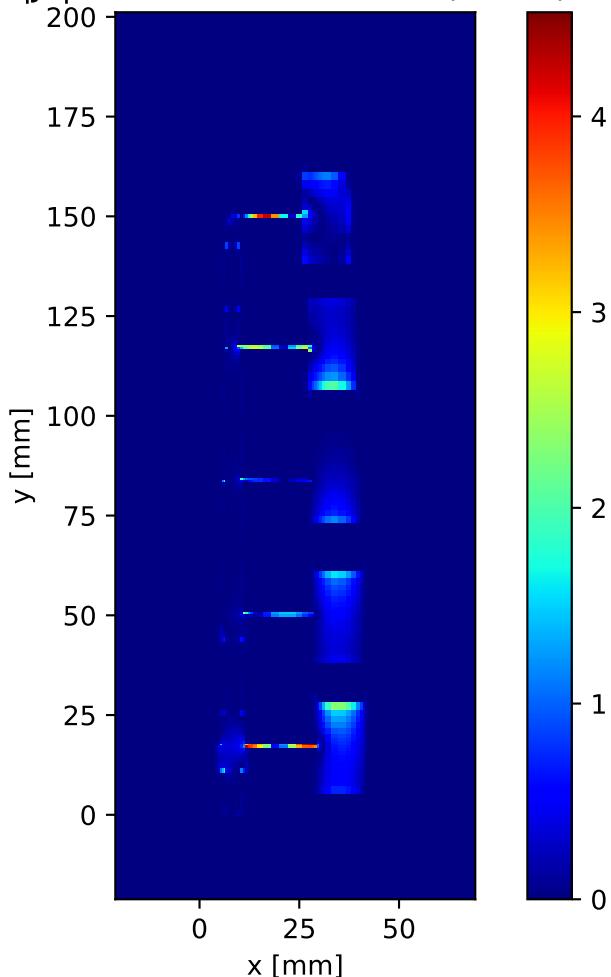
Real E_fd line cut along Y at x=8.20 mm, z=0.76 mm
(idx x=19, z=10)



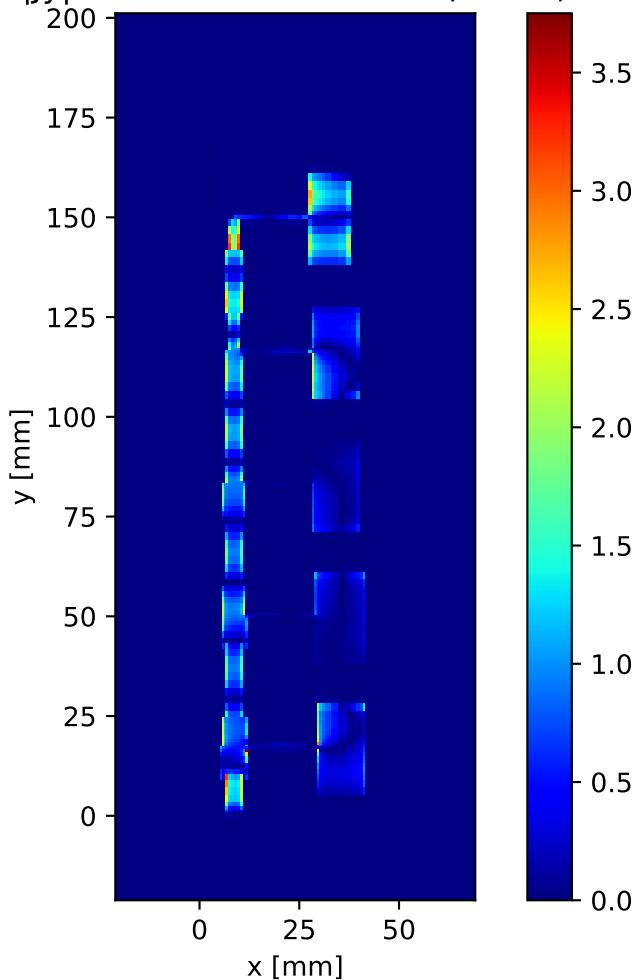
$|\mathbf{j}_s|$ slice at $z = 1.525$ mm (idx 12)



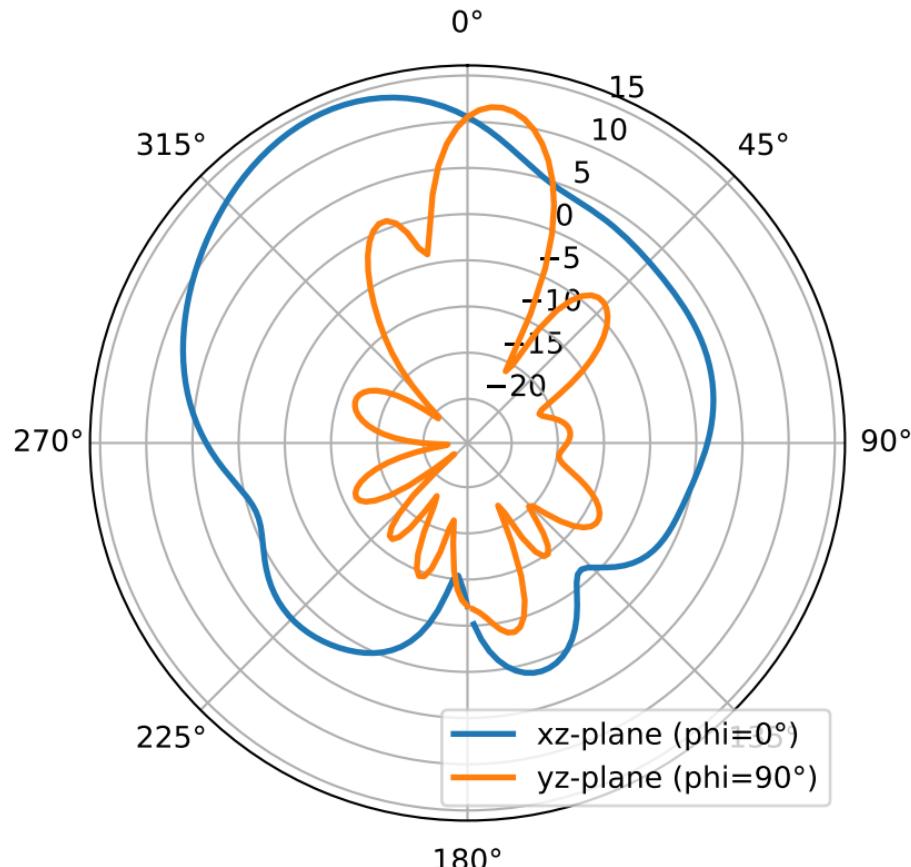
$|J_x|$ slice at $z = 1.525$ mm (idx 12)



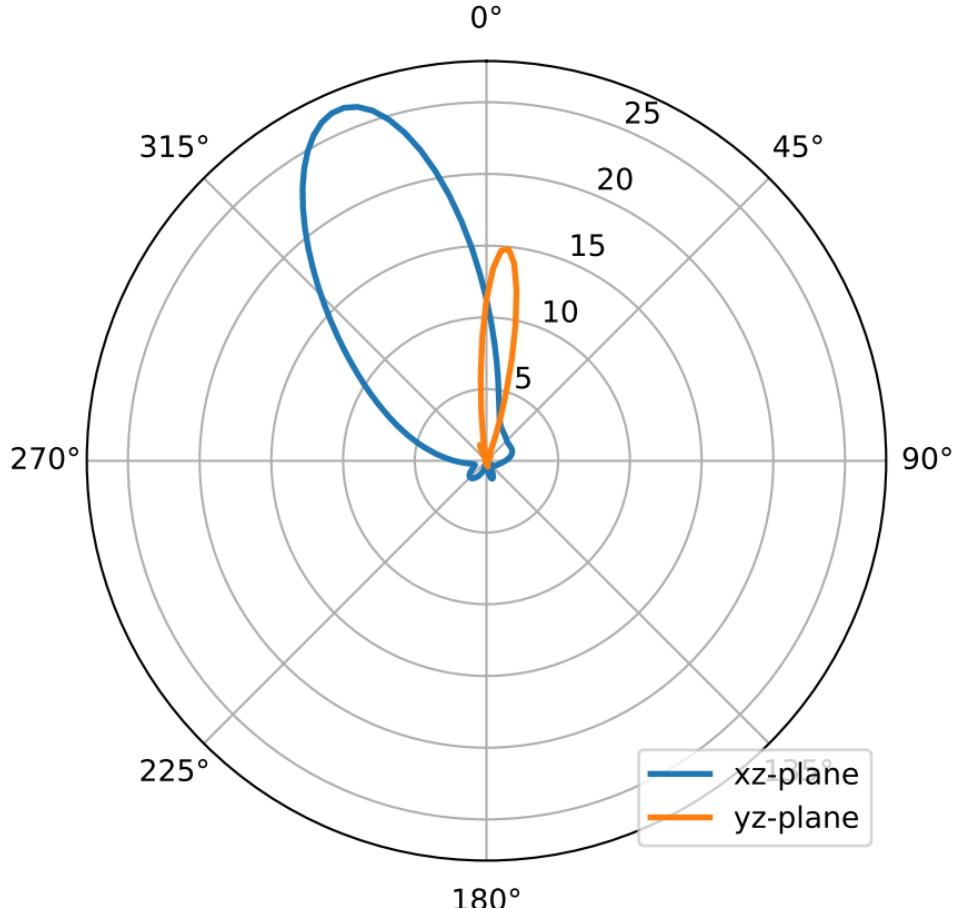
$|J_y|$ slice at $z = 1.525$ mm (idx 12)



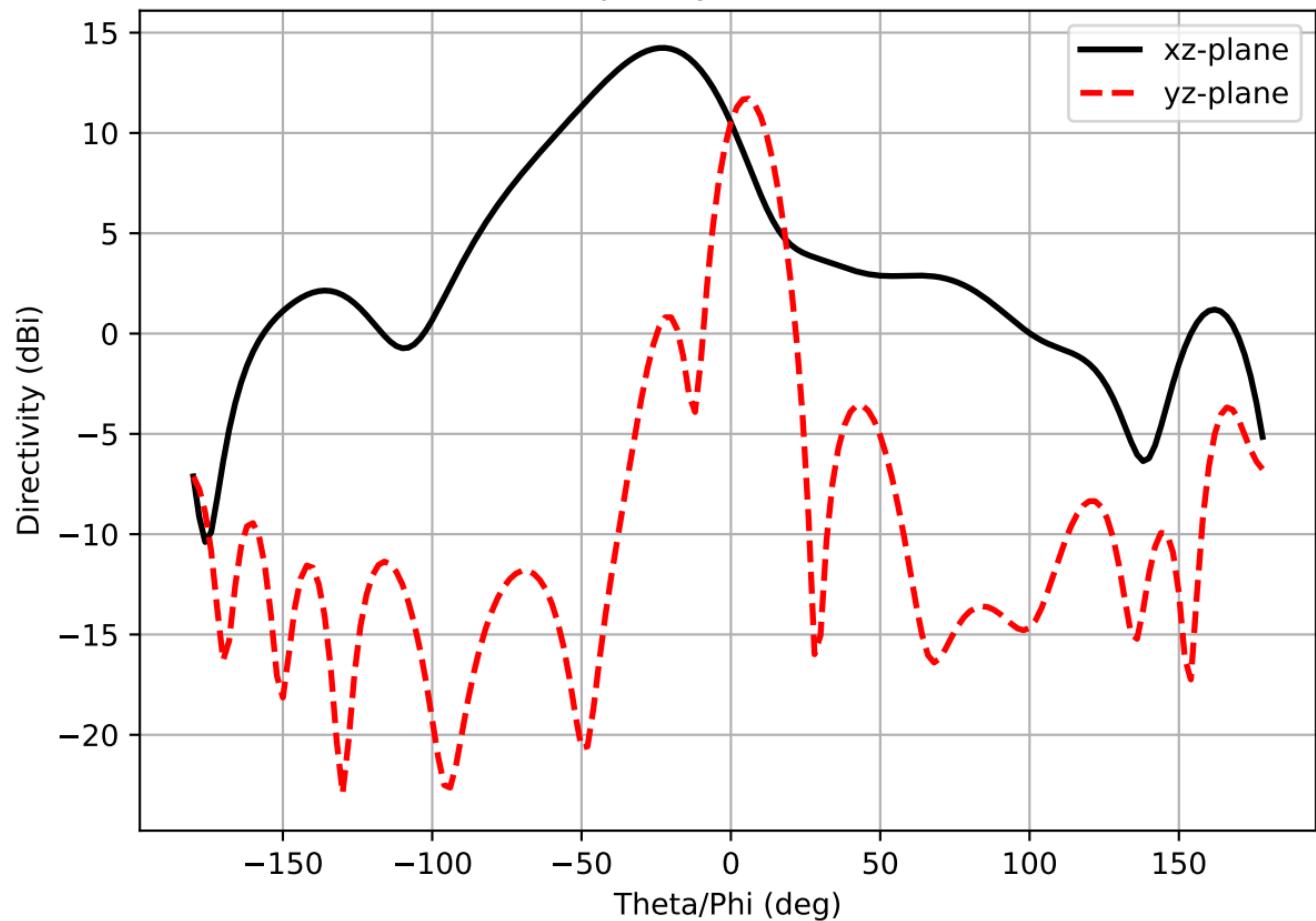
$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 14.24 \text{ dB}$, nf2ff $D_{\max} = 14.24 \text{ dB}$



Frequency: 5.800 GHz — Directivity (linear). Dmax: 26.543



Frequency: 5.800 GHz



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\max} = 15.05 \text{ dBi}$

