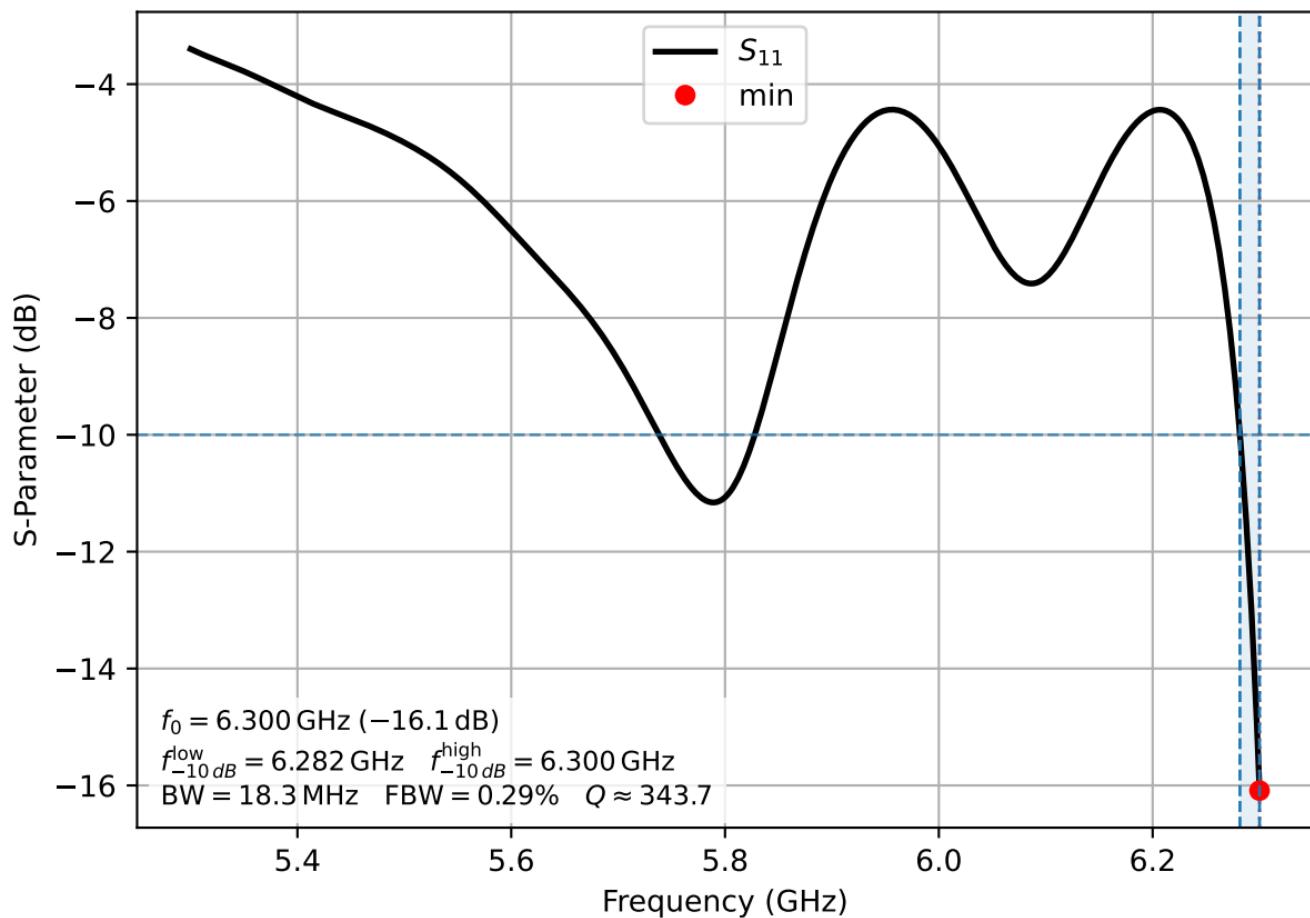
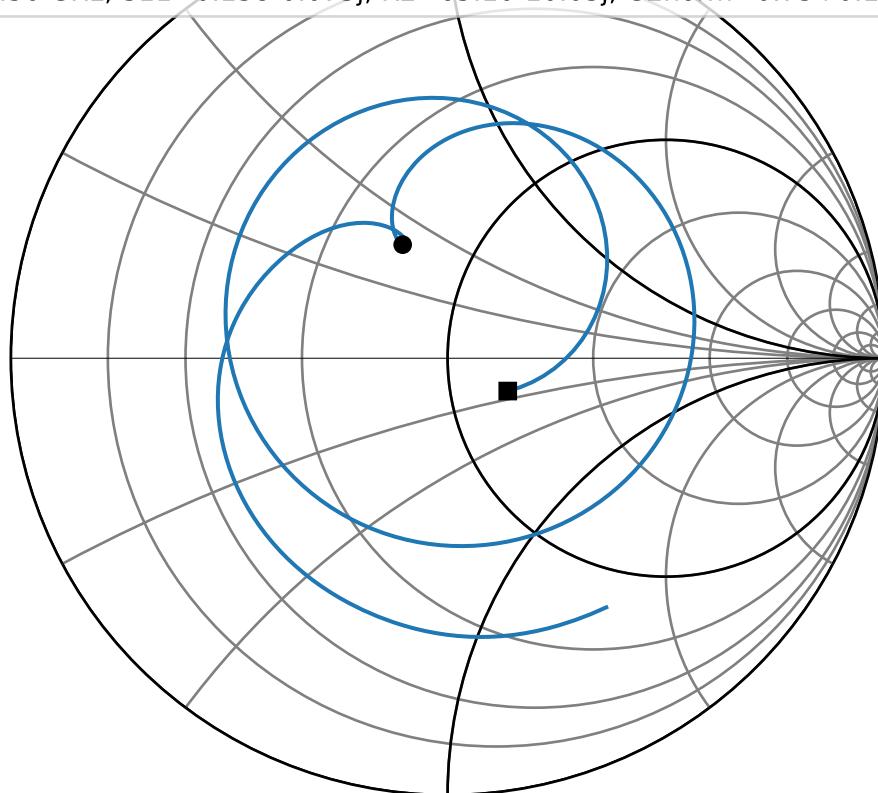


Reflection Coefficient S_{11}

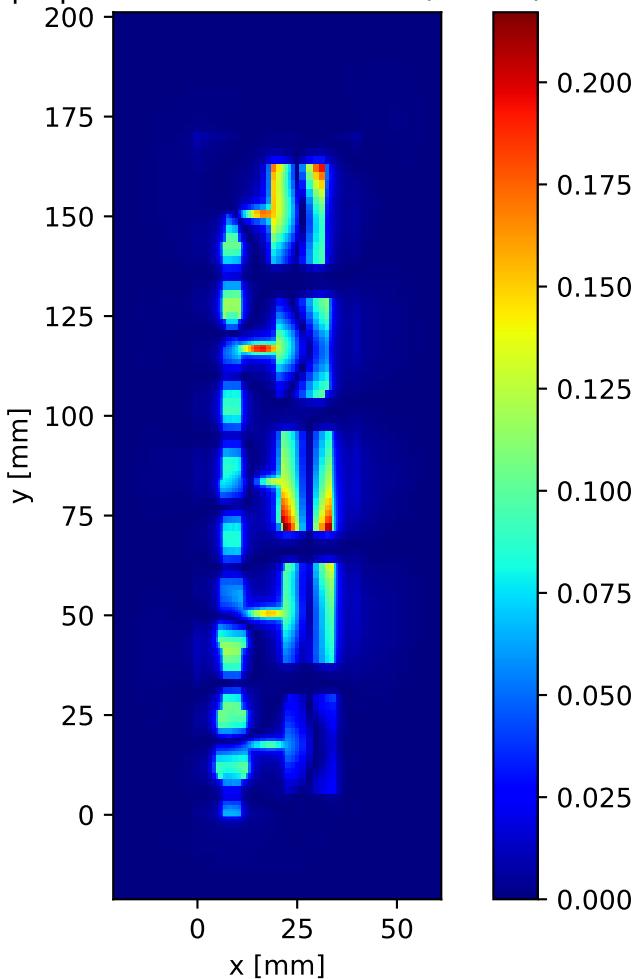


Smith Chart

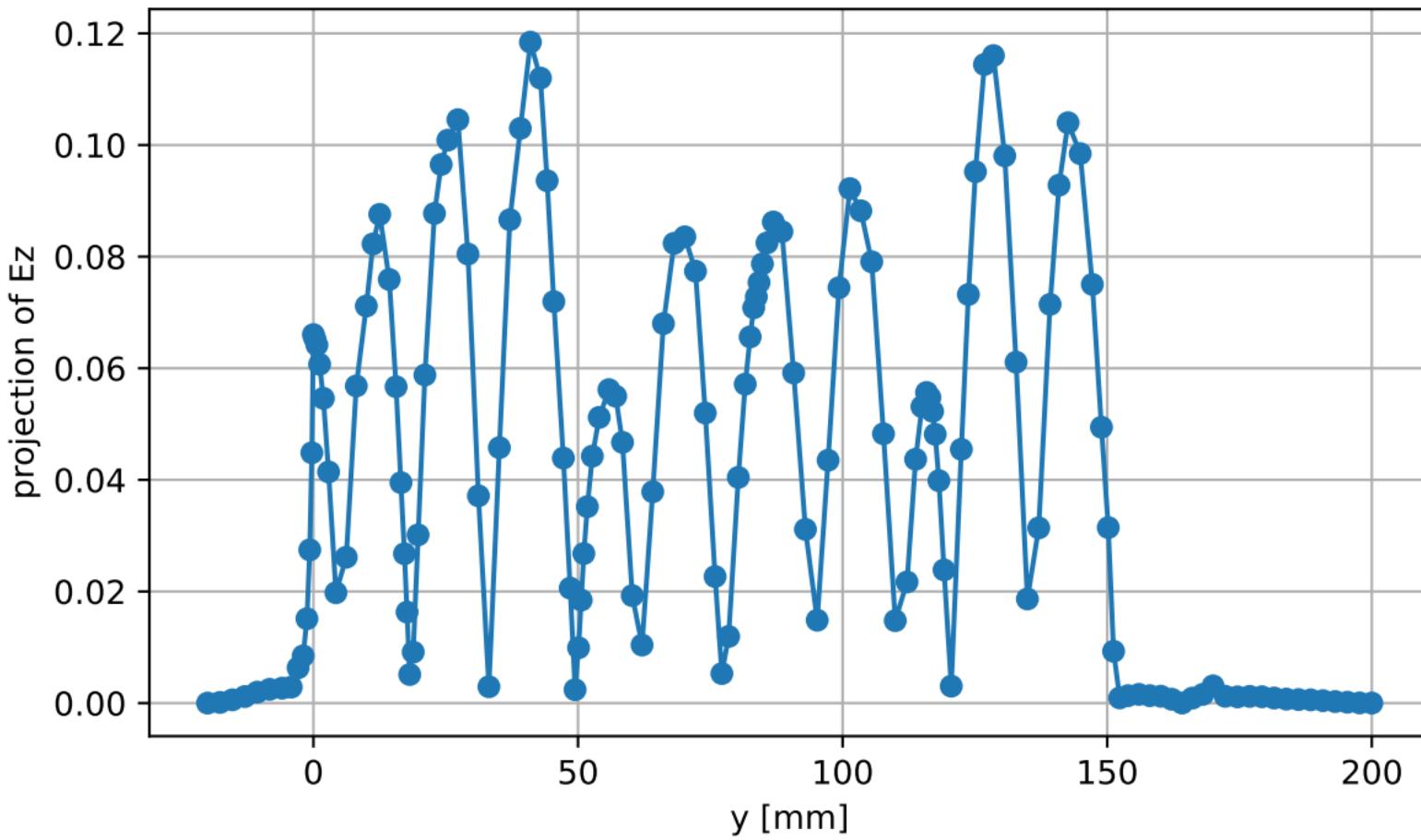
- S11 (Patch W=20.10 mm, L=10.70 mm)
- 5.80 GHz, $S_{11} = -0.103 + 0.260j$, $R = 35.90 + 20.25j$, $G_{norm} = 1.06 - 0.60j$
- 6.30 GHz, $S_{11} = 0.138 - 0.075j$, $R_2 = 65.10 - 10.03j$, $G_{2norm} = 0.75 + 0.12j$



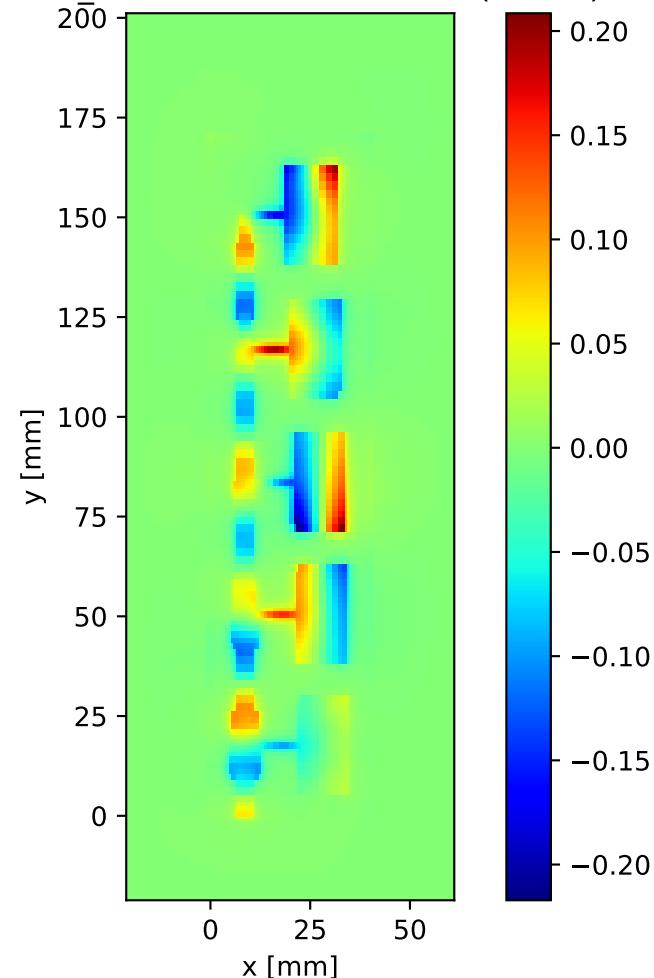
$|E_z|$ slice at $z = 0.76$ mm (idx 10)



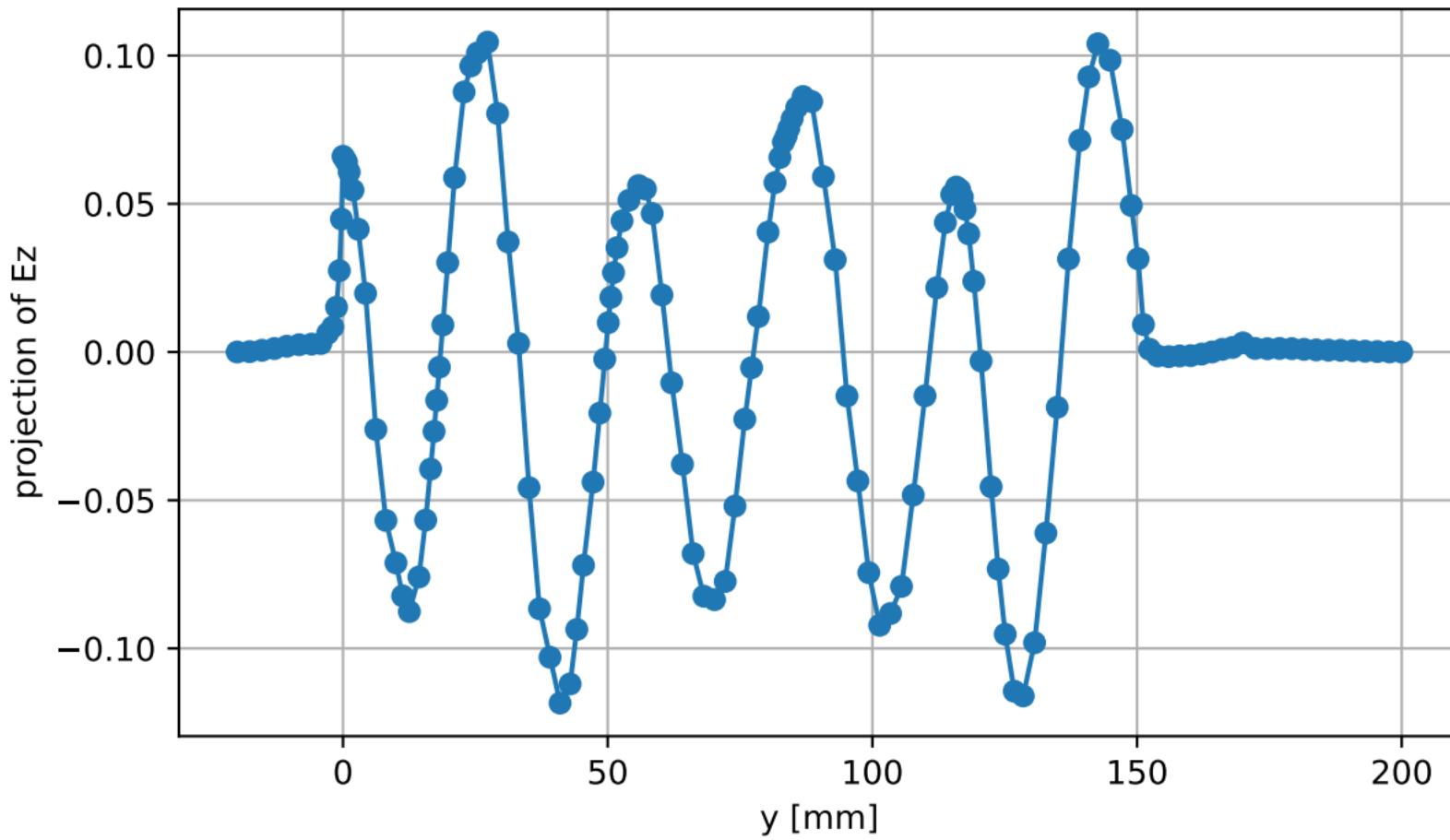
$|E_z|$ line cut along Y at $x=8.20$ mm, $z=0.76$ mm
(idx $x=19$, $z=10$)



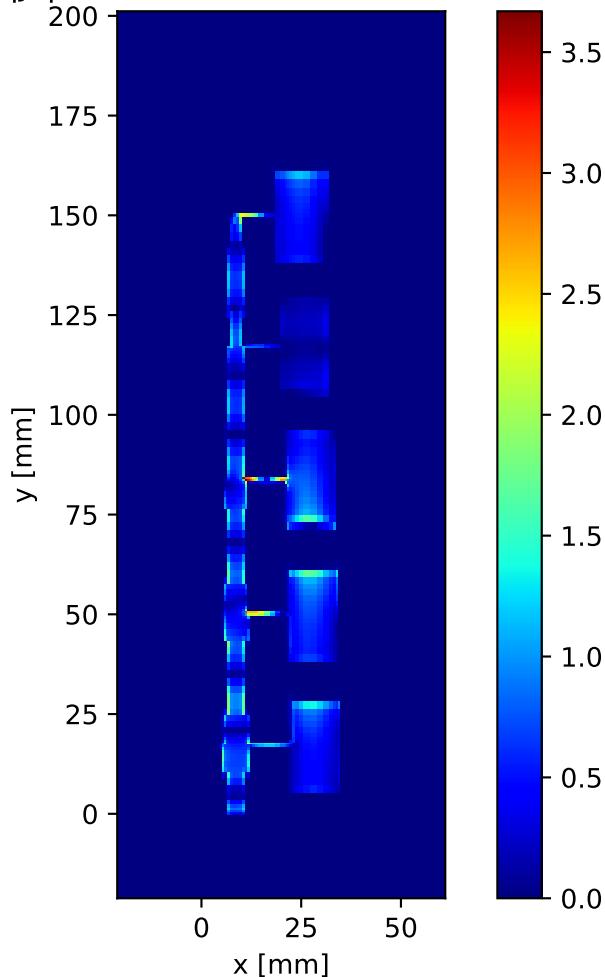
Real E_fd slice at z = 0.76 mm (idx 10)



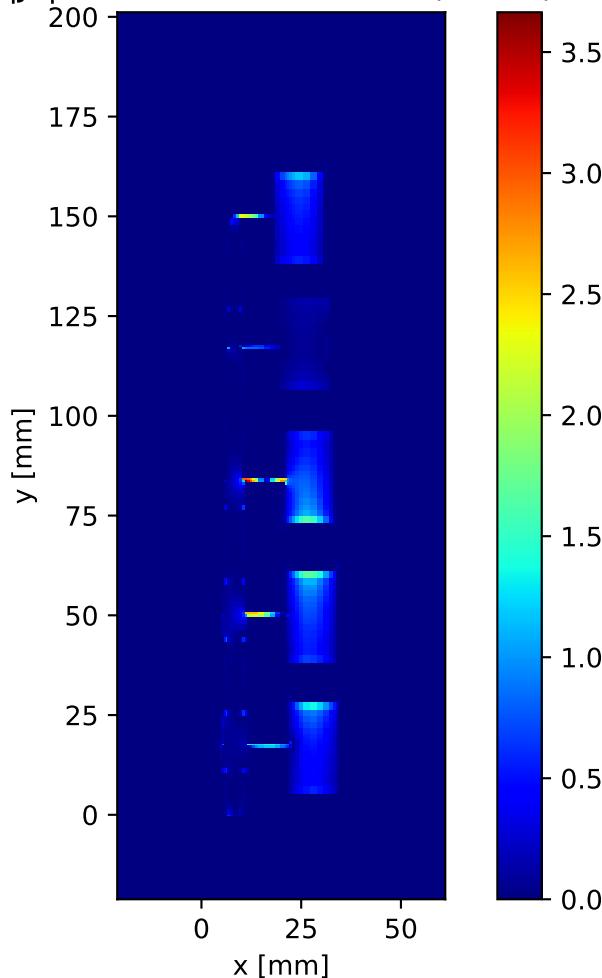
Real E_fd line cut along Y at x=8.20 mm, z=0.76 mm
(idx x=19, z=10)



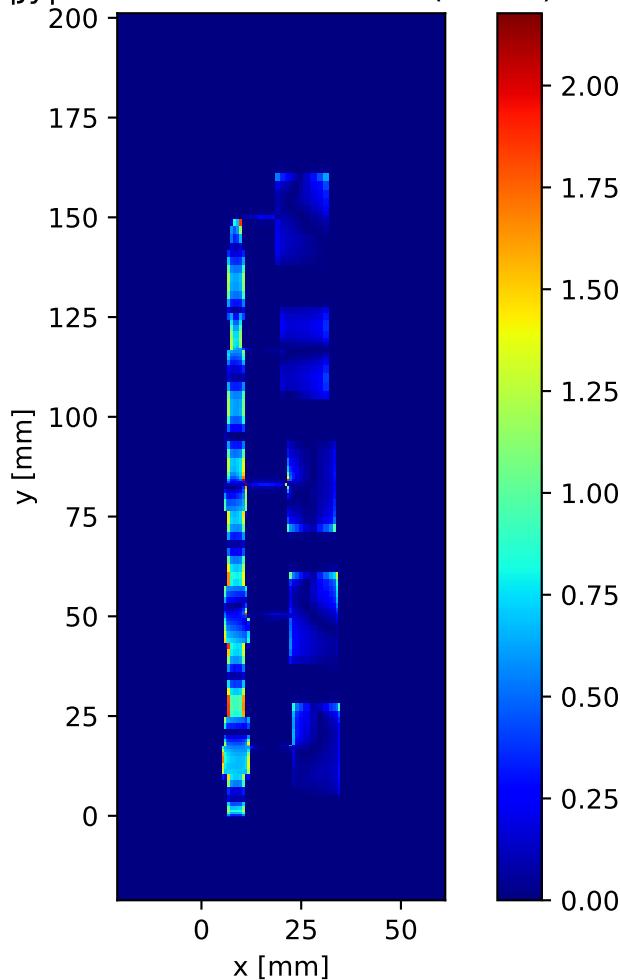
$|J_s|$ slice at $z = 1.525$ mm (idx 12)



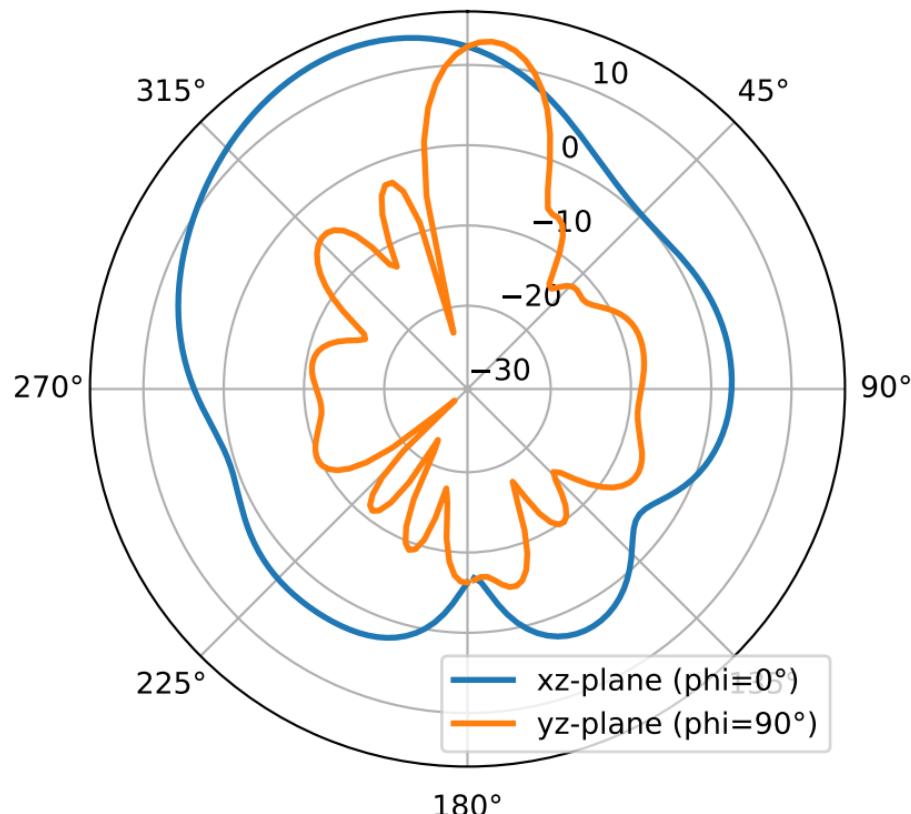
$|J_x|$ slice at $z = 1.525$ mm (idx 12)



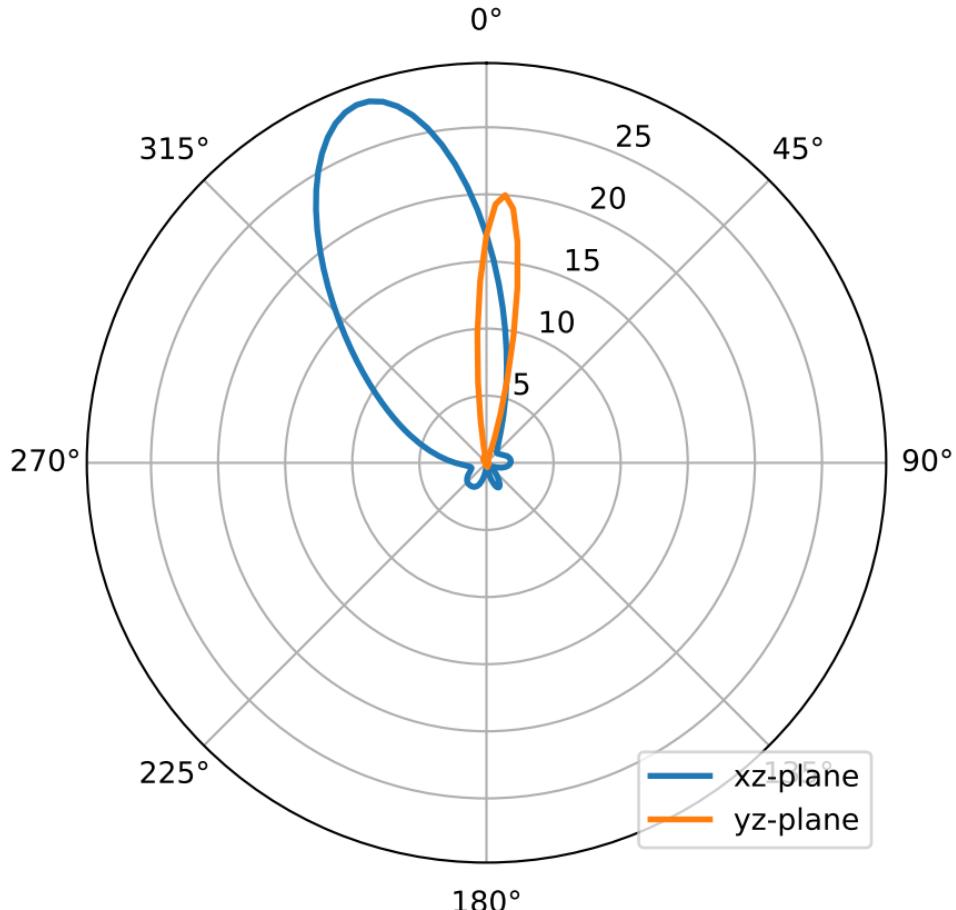
$|j_y|$ slice at $z = 1.525$ mm (idx 12)



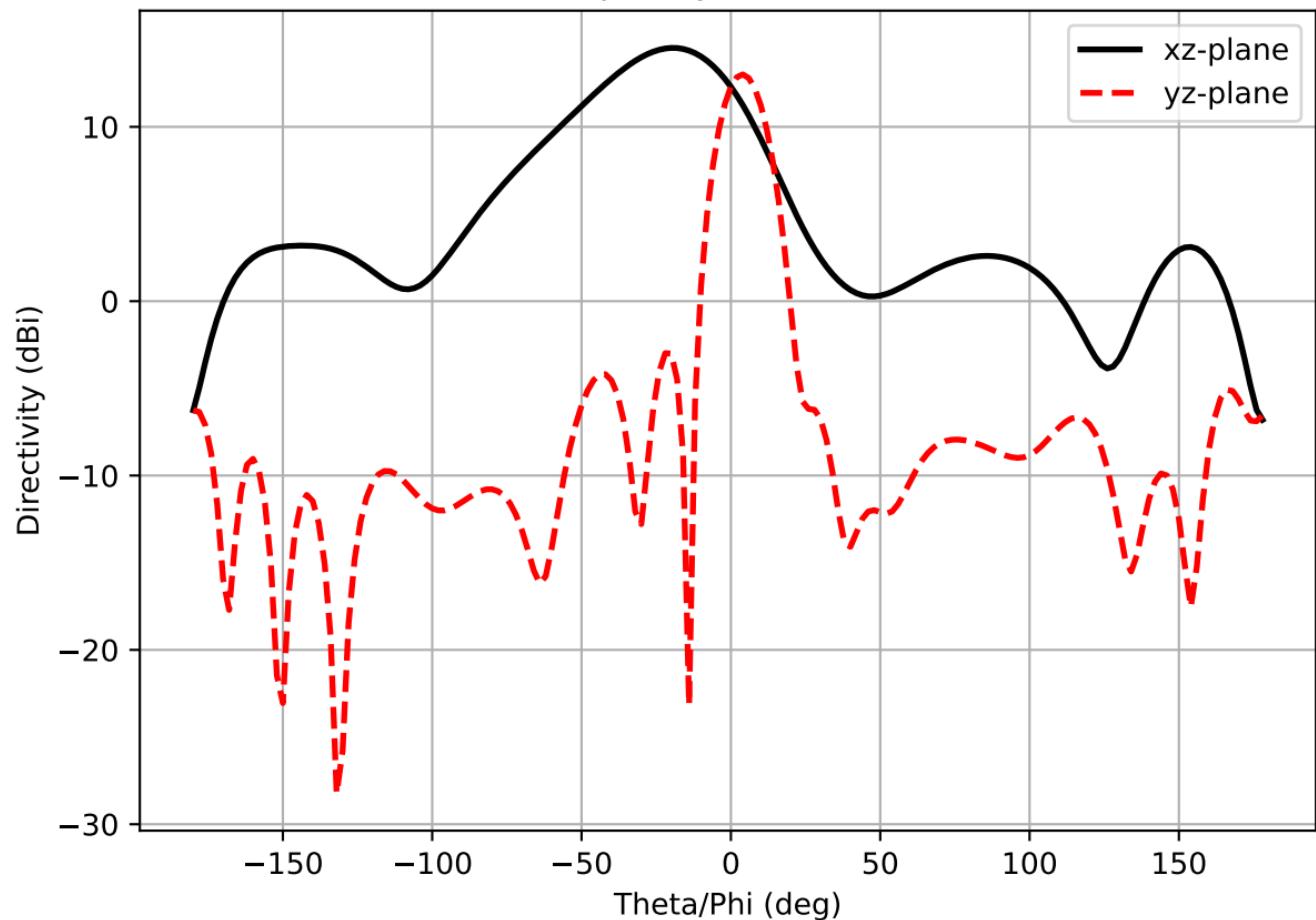
$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 14.53 \text{ dB}$, nf2ff $D_{\max} = 14.53 \text{ dB}$



Frequency: 5.800 GHz — Directivity (linear). Dmax: 28.365



Frequency: 5.800 GHz



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\max} = 15.04 \text{ dBi}$

