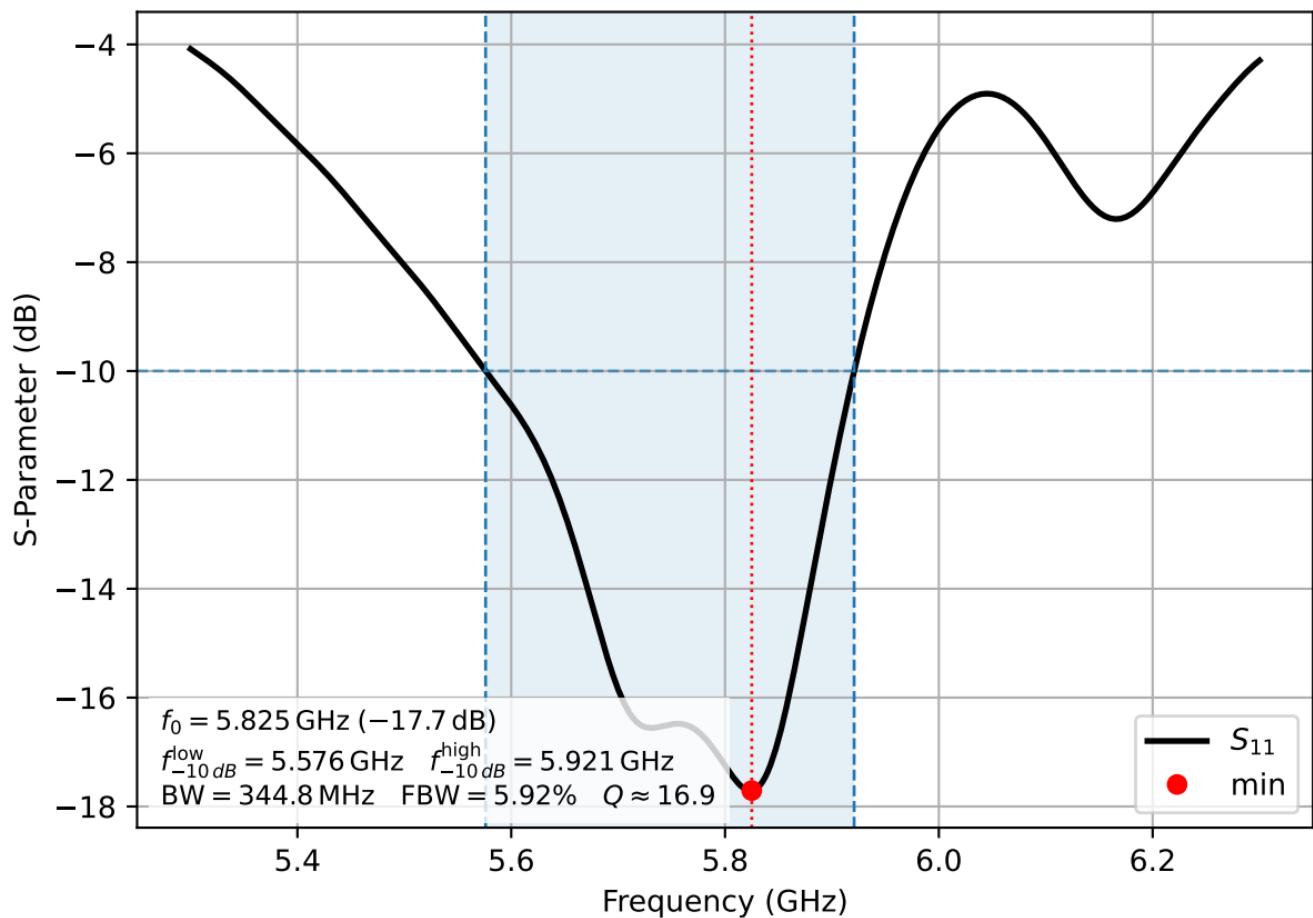
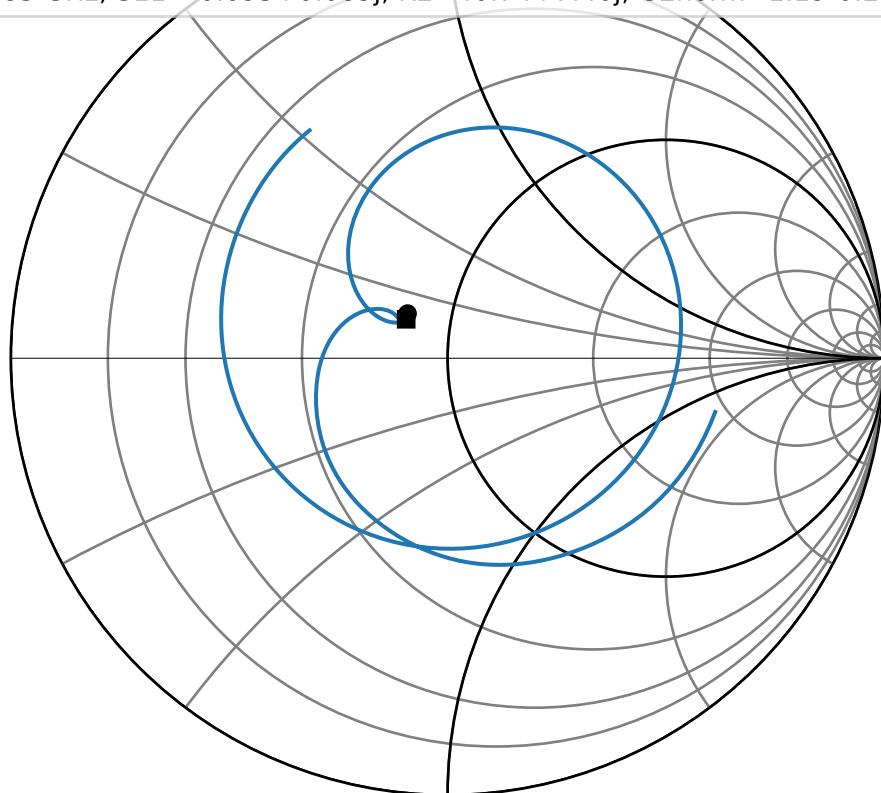


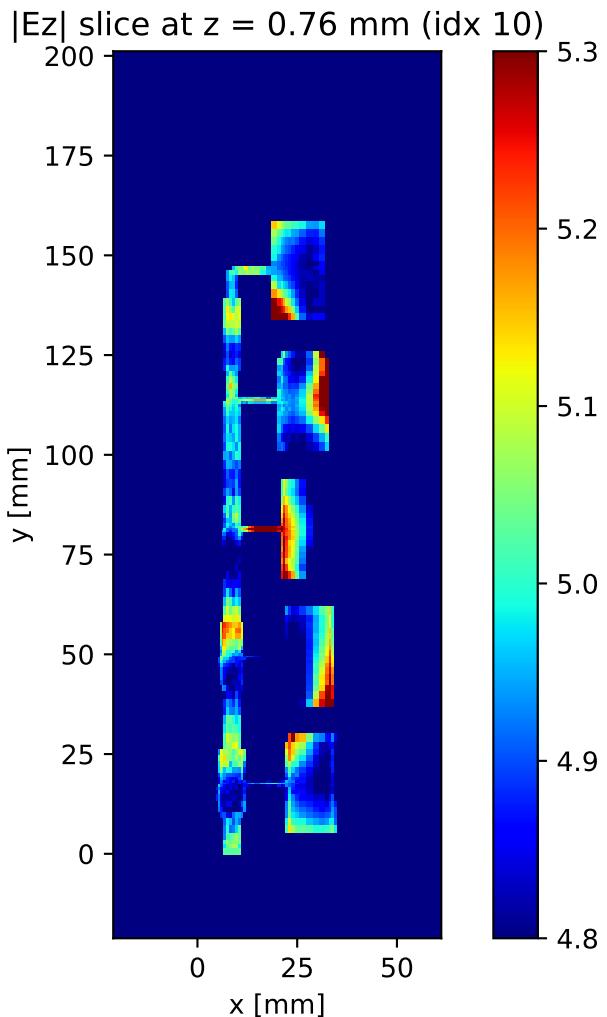
Reflection Coefficient S_{11}



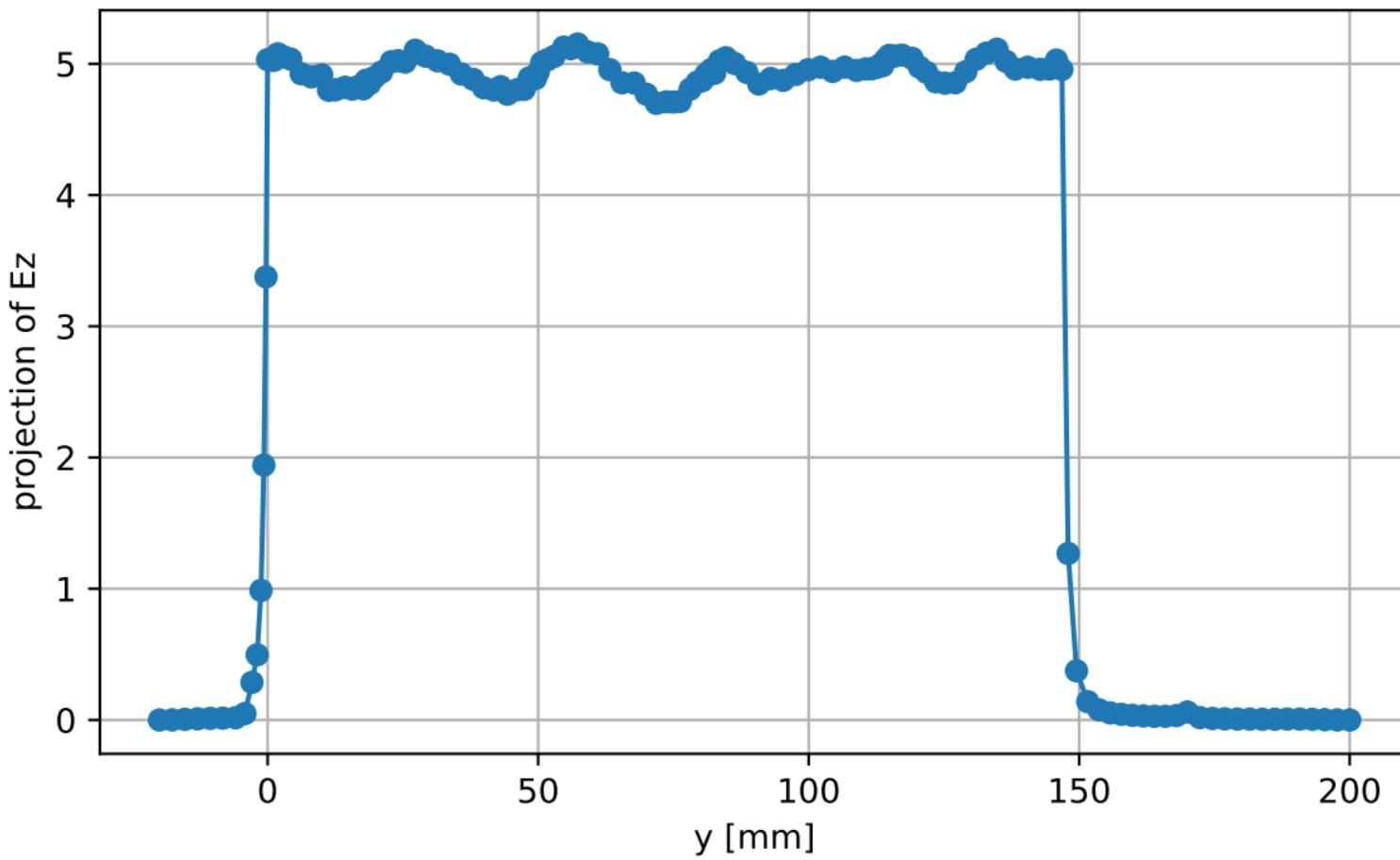
Smith Chart

- S11 (Patch W=20.10 mm, L=10.70 mm)
- 5.80 GHz, $S_{11} = -0.092 + 0.102j$, $R = 40.80 + 8.50j$, $G_{norm} = 1.17 - 0.24j$
- 5.83 GHz, $S_{11} = -0.095 + 0.089j$, $R = 40.74 + 7.40j$, $G_{2norm} = 1.19 - 0.22j$

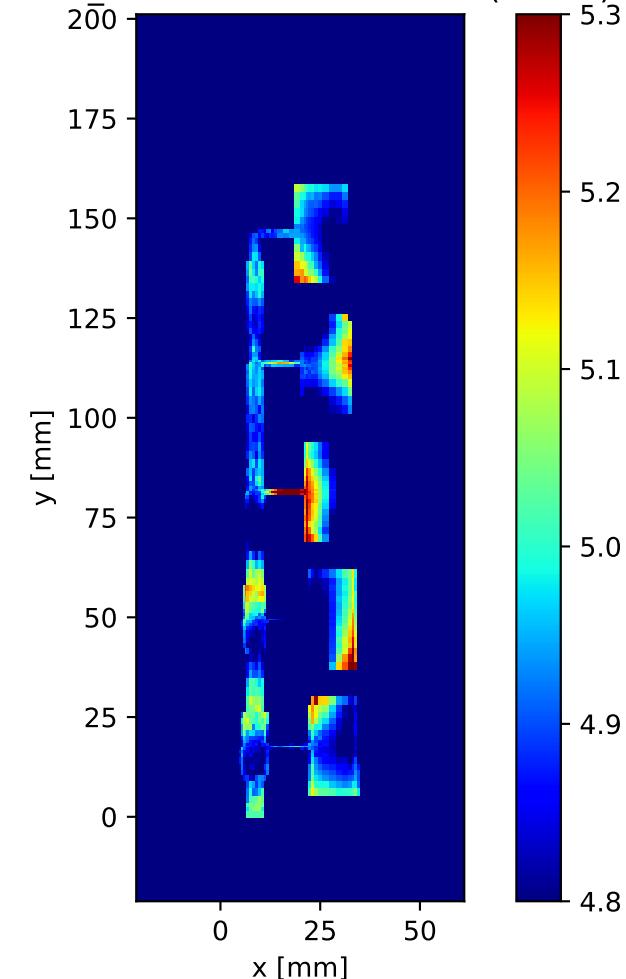




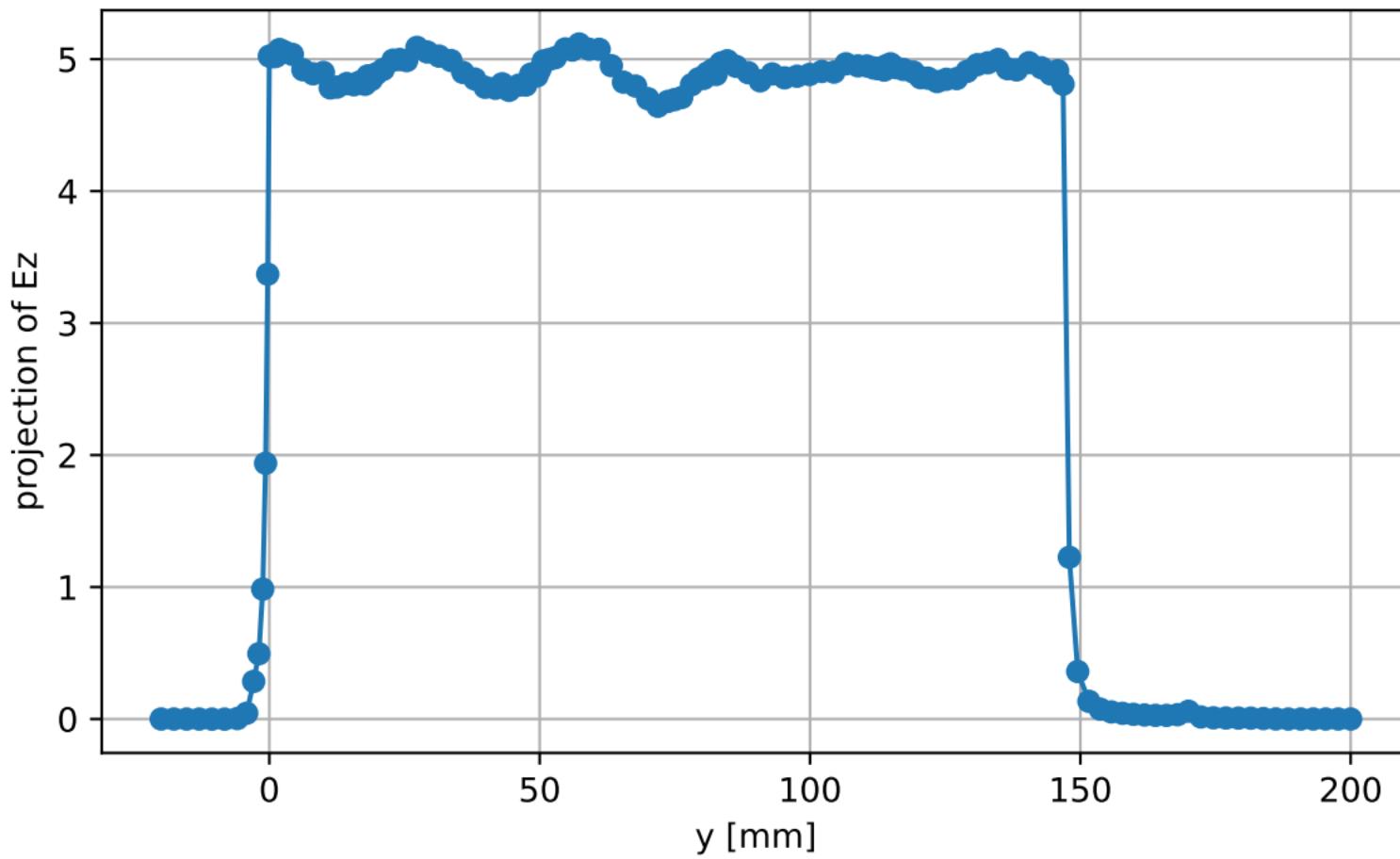
$|E_z|$ line cut along Y at $x=9.20$ mm, $z=0.76$ mm
(idx $x=20$, $z=10$)



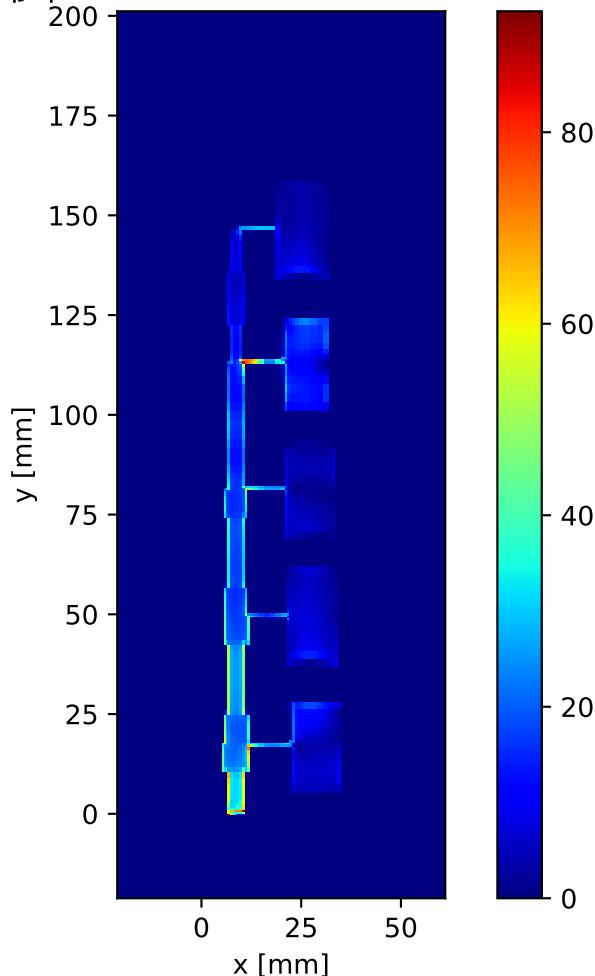
Real E_fd slice at z = 0.76 mm (idx 10)



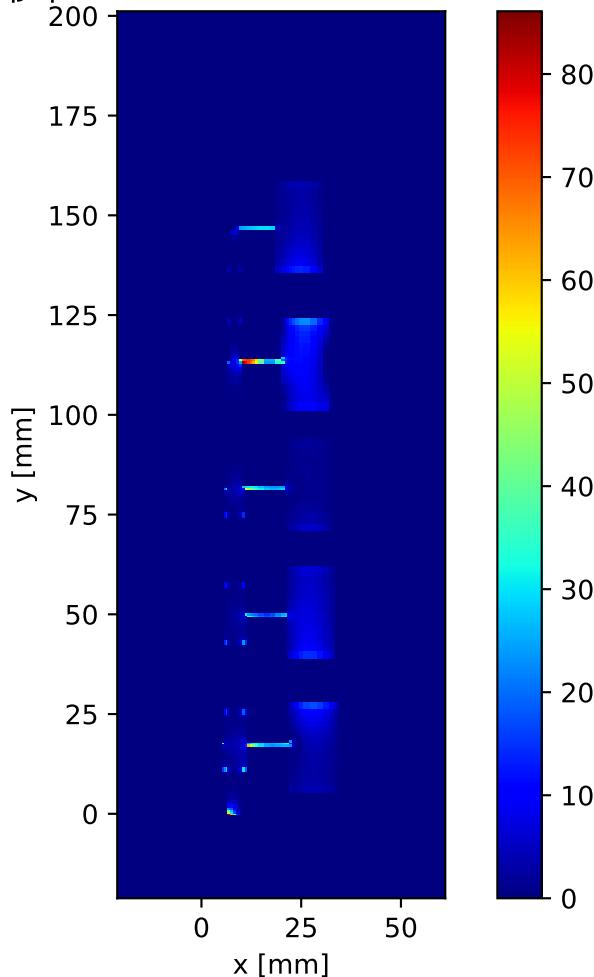
Real E_fd line cut along Y at x=9.20 mm, z=0.76 mm
(idx x=20, z=10)



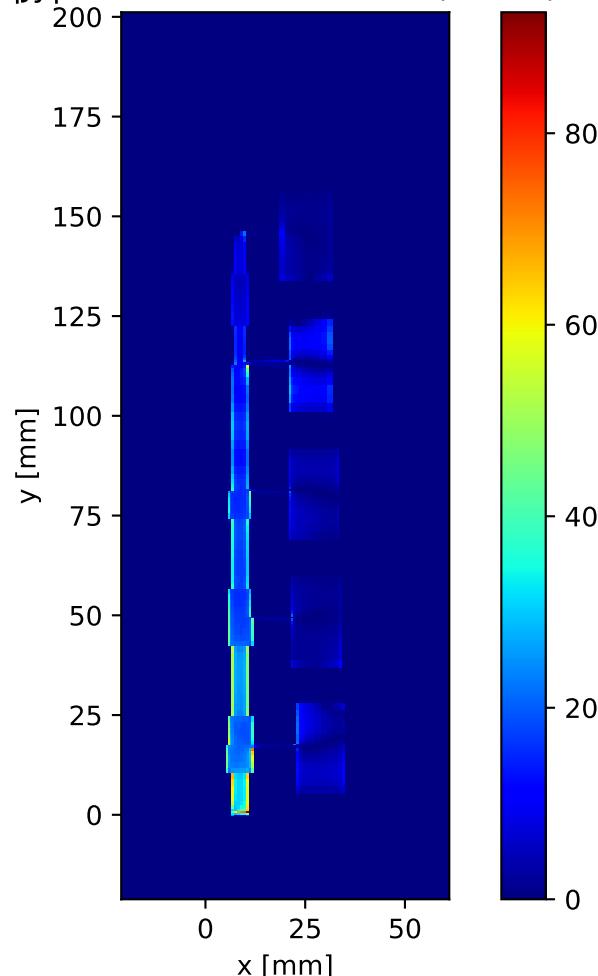
$|js|$ slice at $z = 1.525$ mm (idx 12)



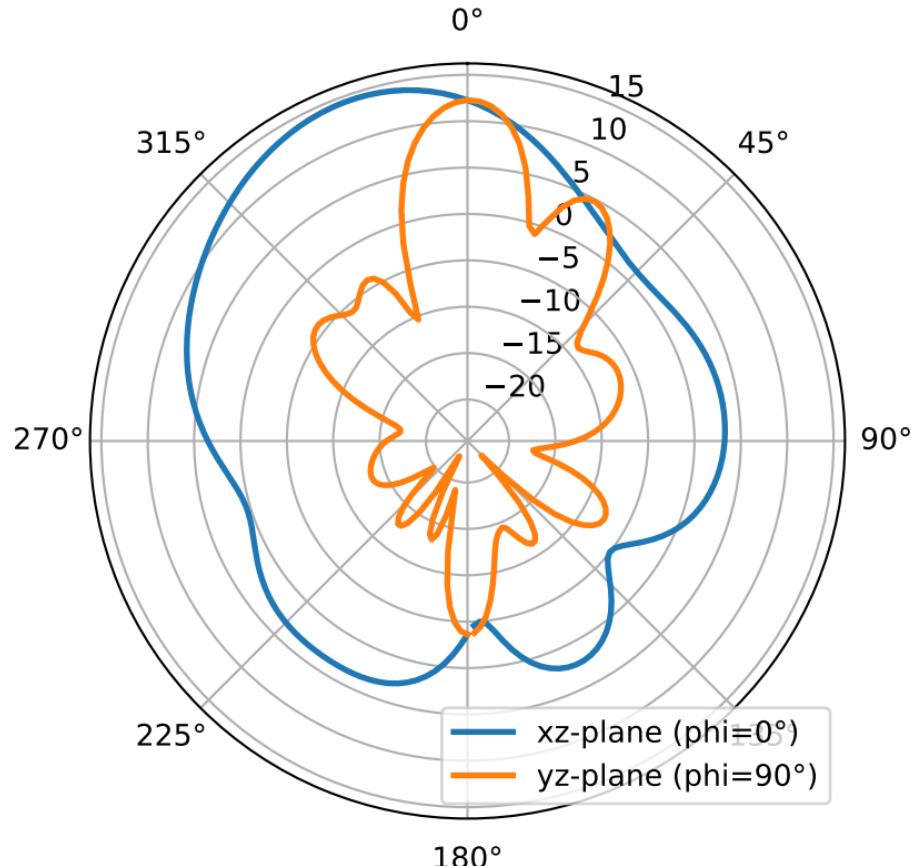
$|J_x|$ slice at $z = 1.525$ mm (idx 12)



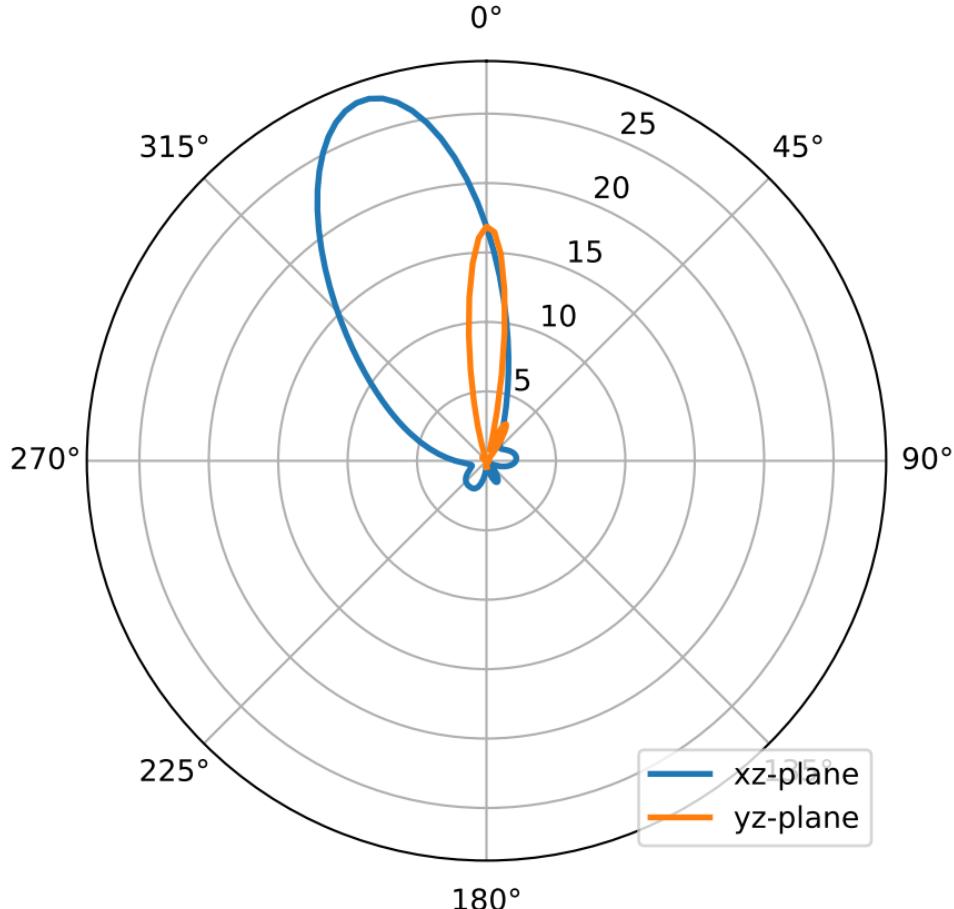
$|j_y|$ slice at $z = 1.525$ mm (idx 12)



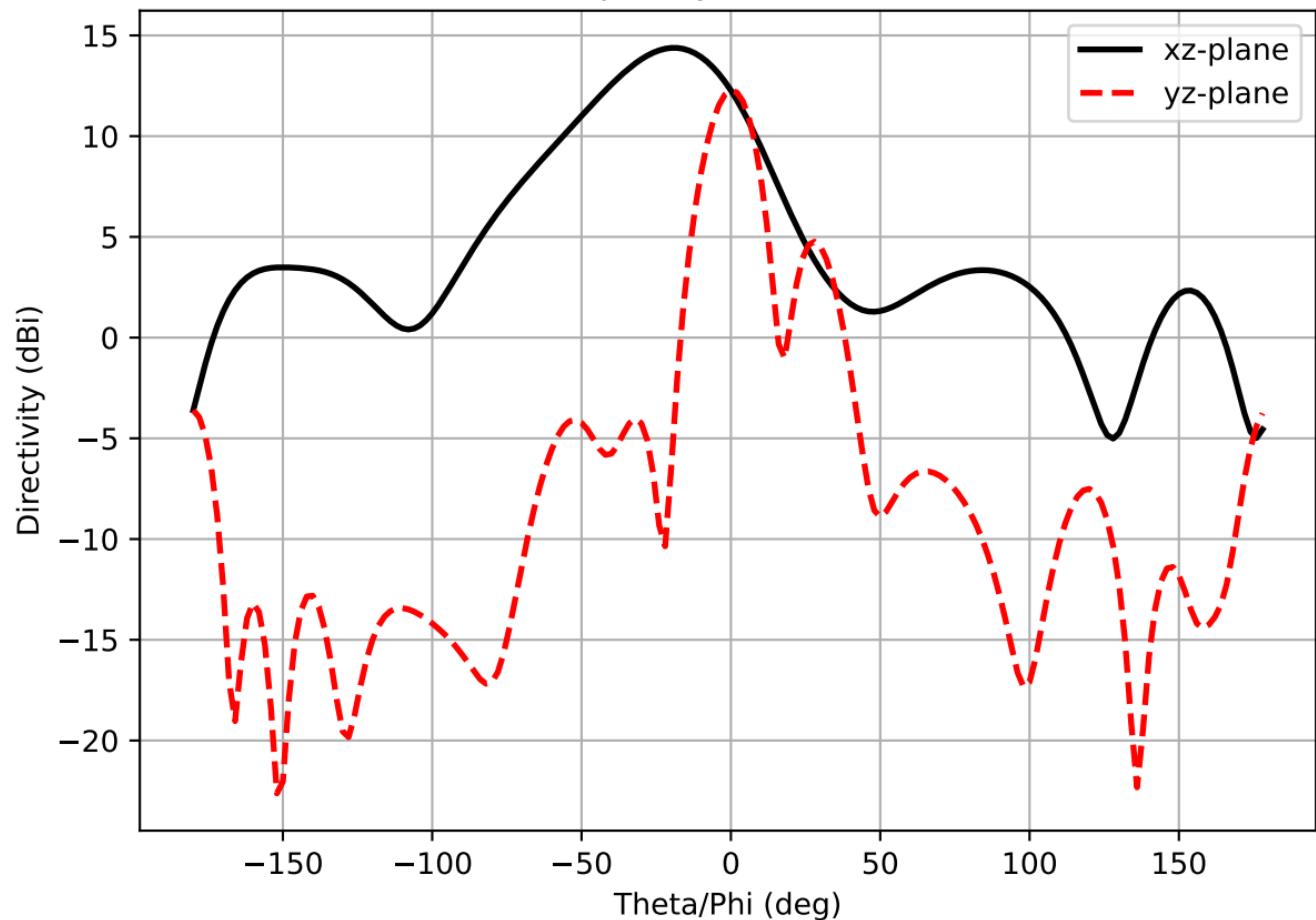
$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 14.38 \text{ dB}$, nf2ff $D_{\max} = 14.38 \text{ dB}$



Frequency: 5.800 GHz — Directivity (linear). Dmax: 27.418



Frequency: 5.800 GHz



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\max} = 14.38 \text{ dBi}$

