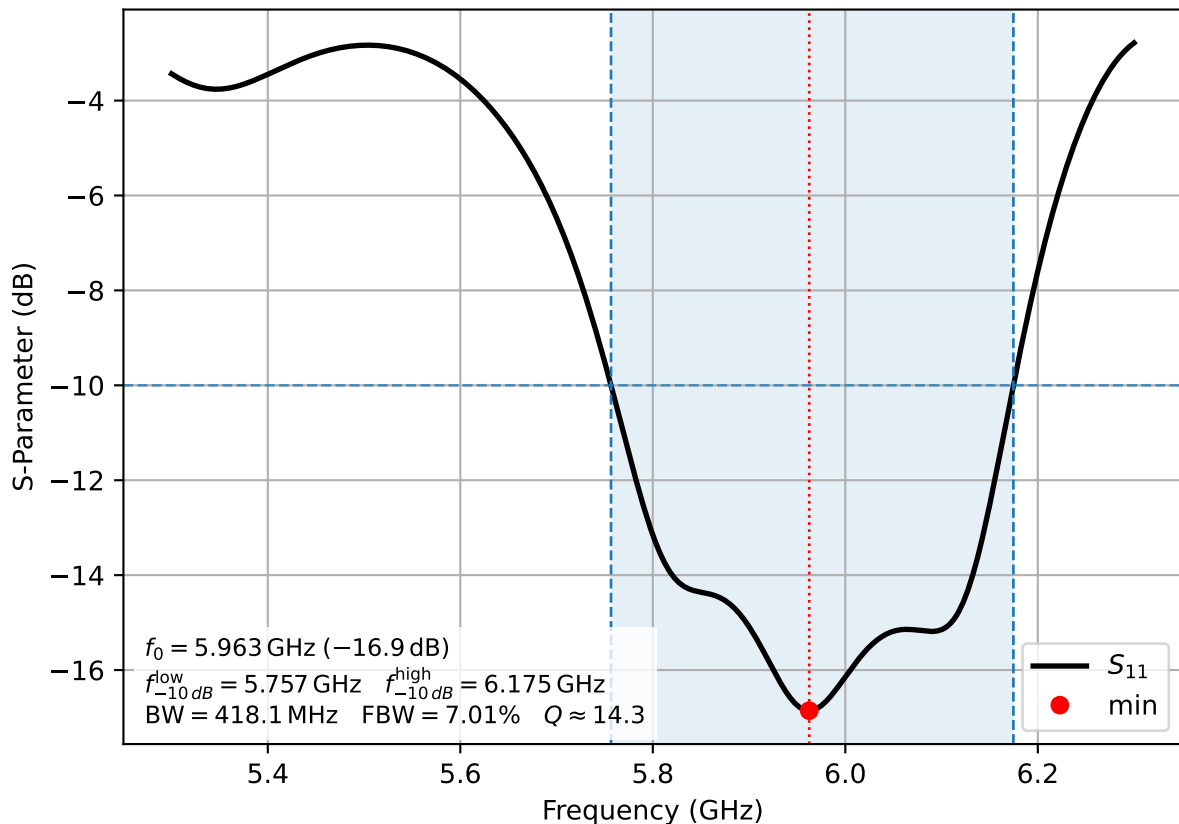
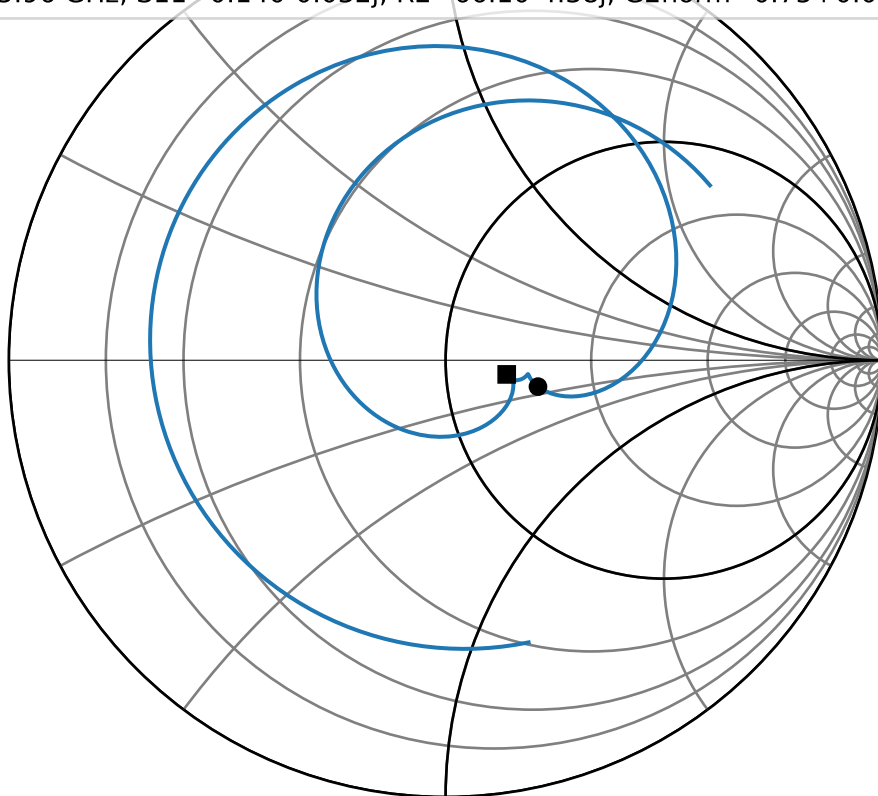


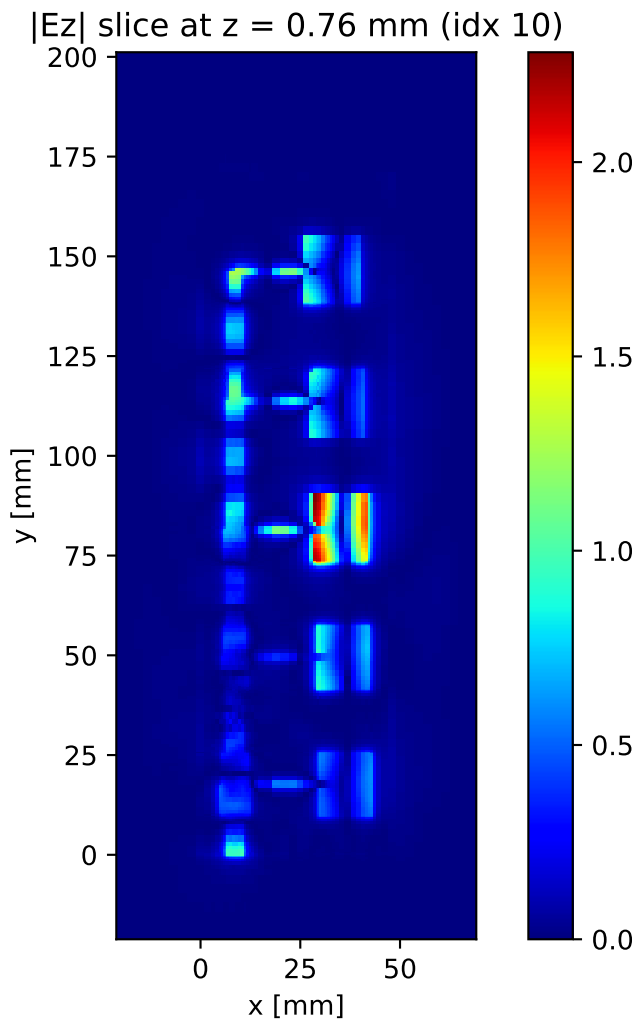
Reflection Coefficient S_{11}



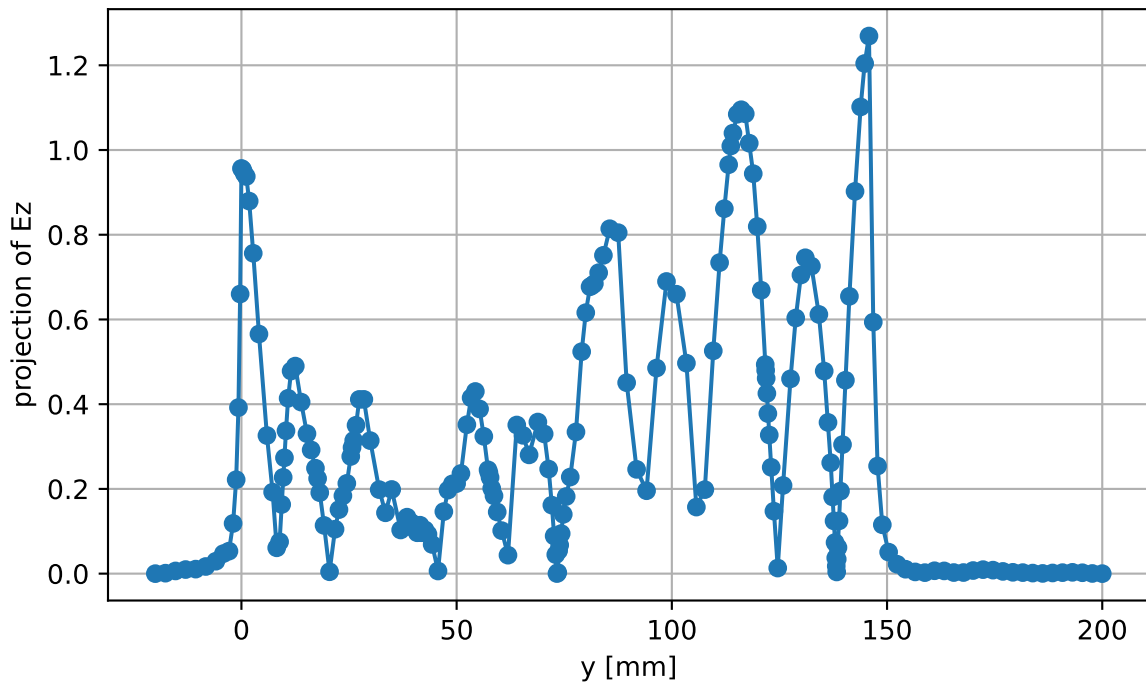
Smith Chart

- S11 (Patch W=20.10 mm, L=10.70 mm)
- 5.80 GHz, S11=0.211-0.060j, R=76.08-9.66j, Gnorm=0.65+0.08j
- 5.96 GHz, S11=0.140-0.032j, R2=66.10-4.38j, G2norm=0.75+0.05j

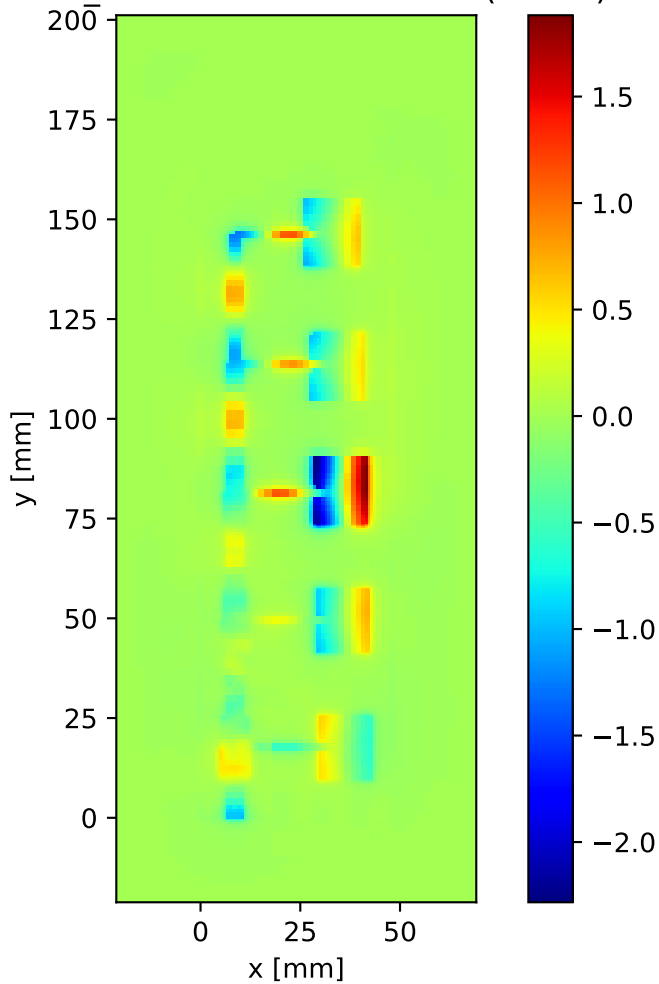




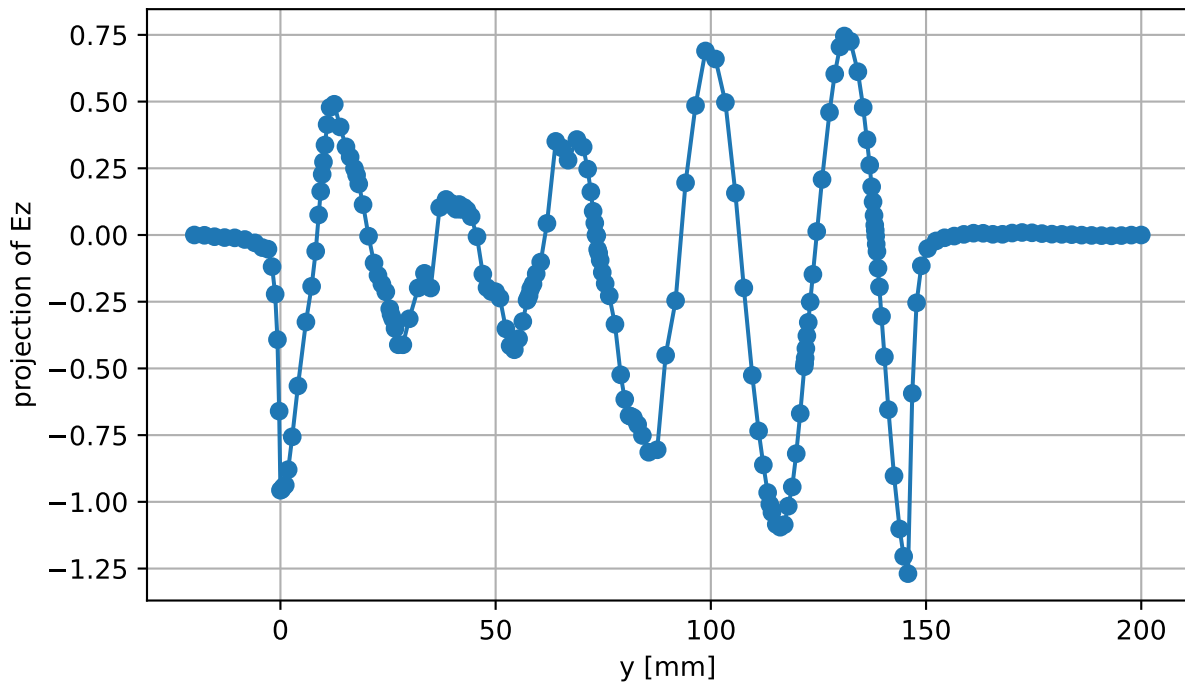
$|E_z|$ line cut along Y at $x=8.20$ mm, $z=0.76$ mm
(idx $x=19$, $z=10$)



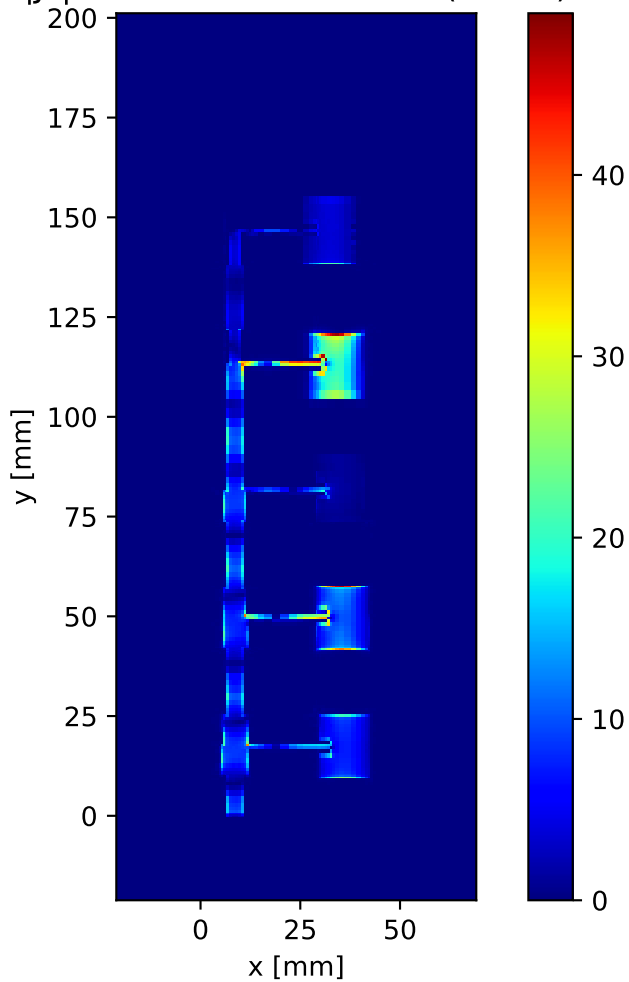
Real E_{fd} slice at z = 0.76 mm (idx 10)

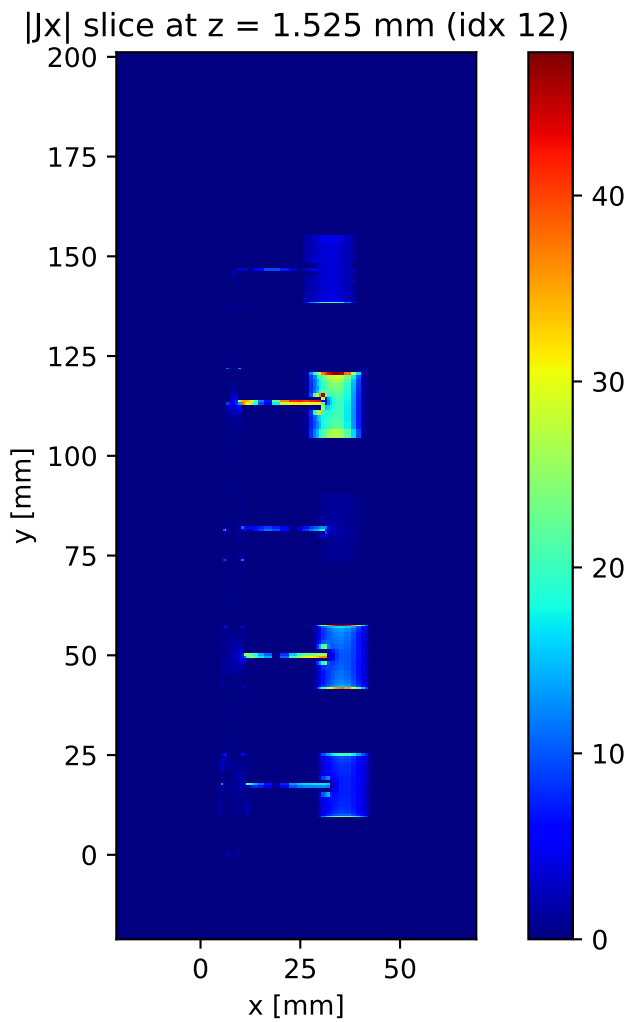


Real E_{fd} line cut along Y at x=8.20 mm, z=0.76 mm
(idx x=19, z=10)

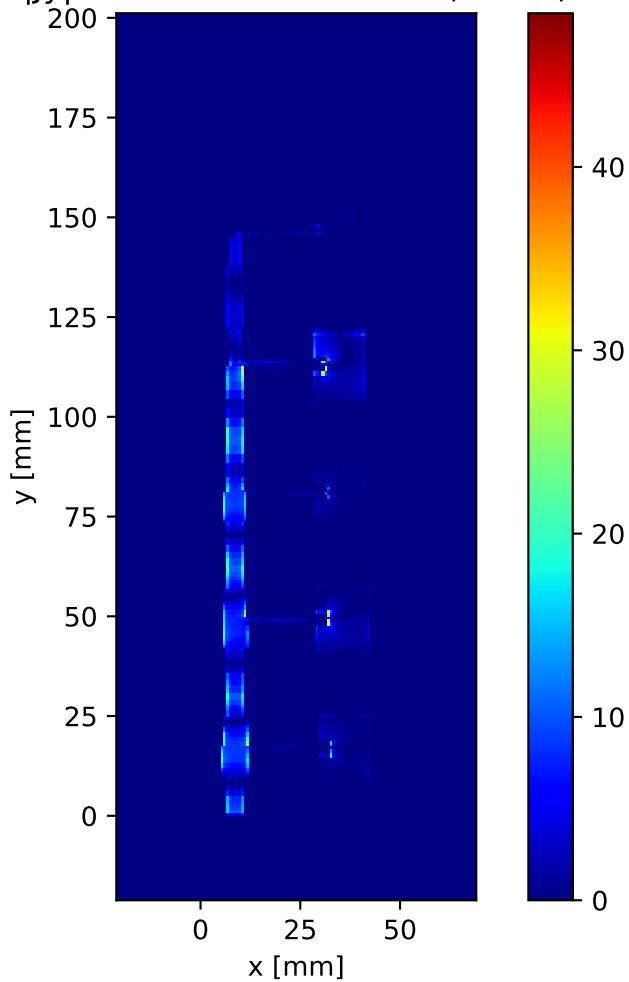


$|J_s|$ slice at $z = 1.525$ mm (idx 12)

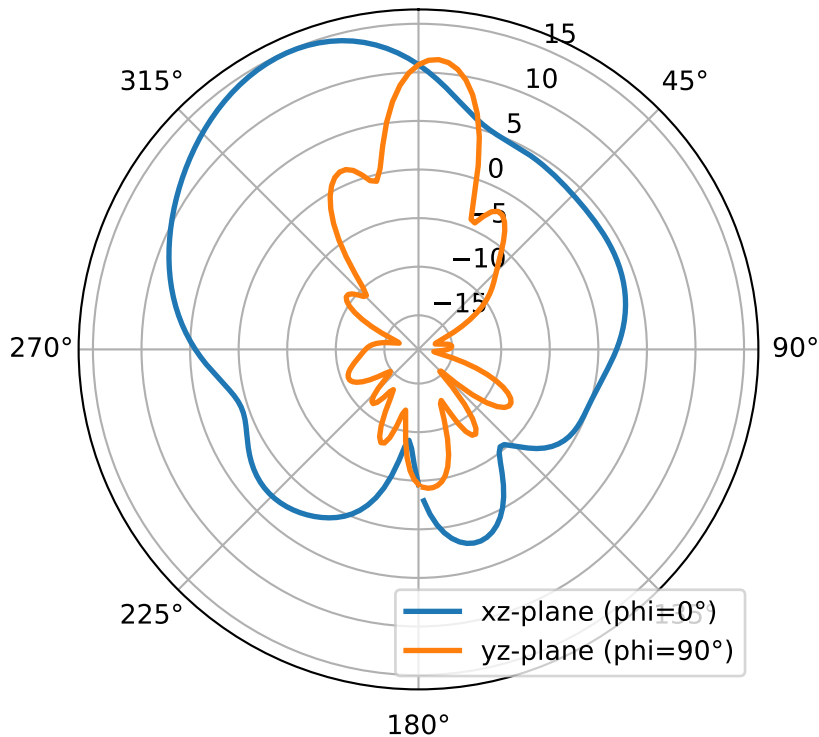




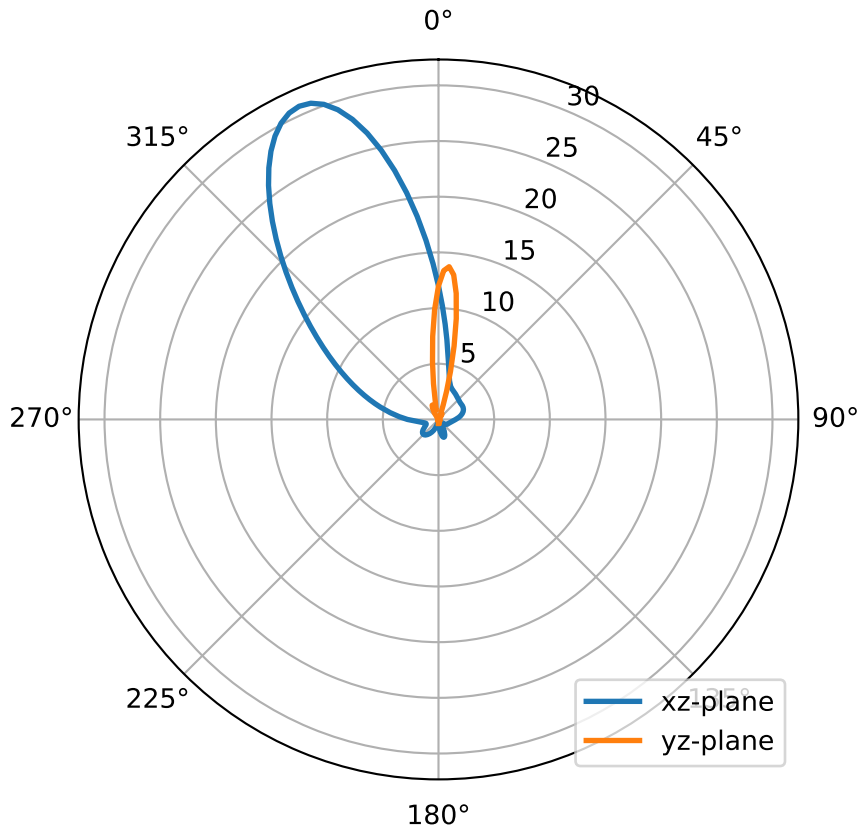
$|j_y|$ slice at $z = 1.525$ mm (idx 12)



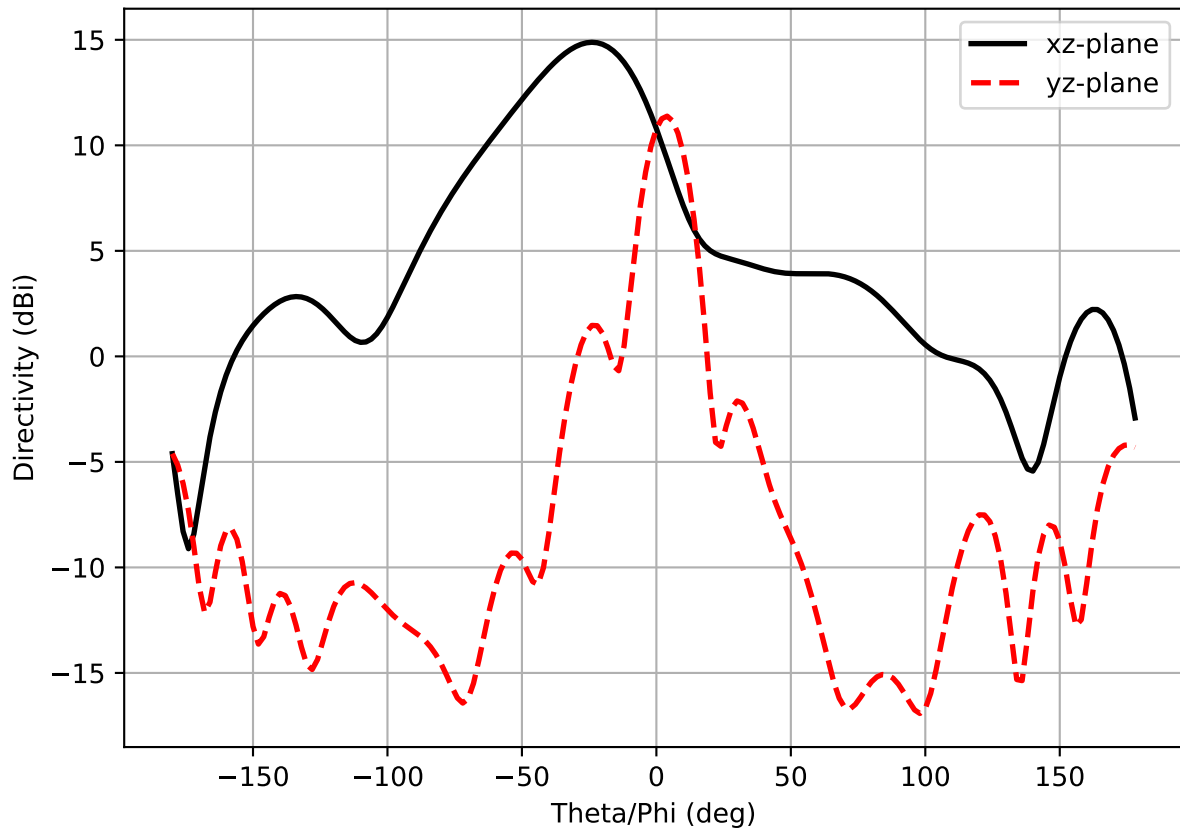
$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 14.88 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 14.88 \text{ dB}$



Frequency: 5.800 GHz — Directivity (linear). Dmax: 30.785



Frequency: 5.800 GHz



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\text{max}} = 15.11 \text{ dBi}$

