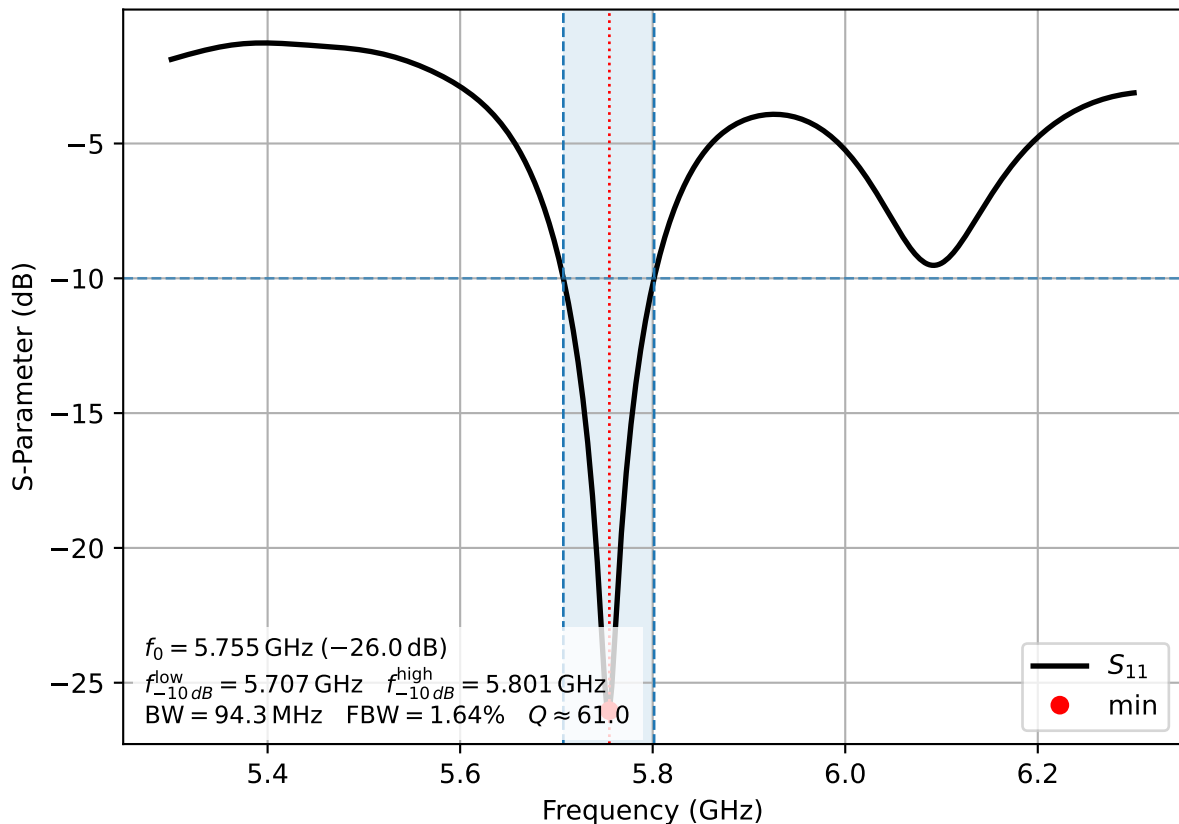
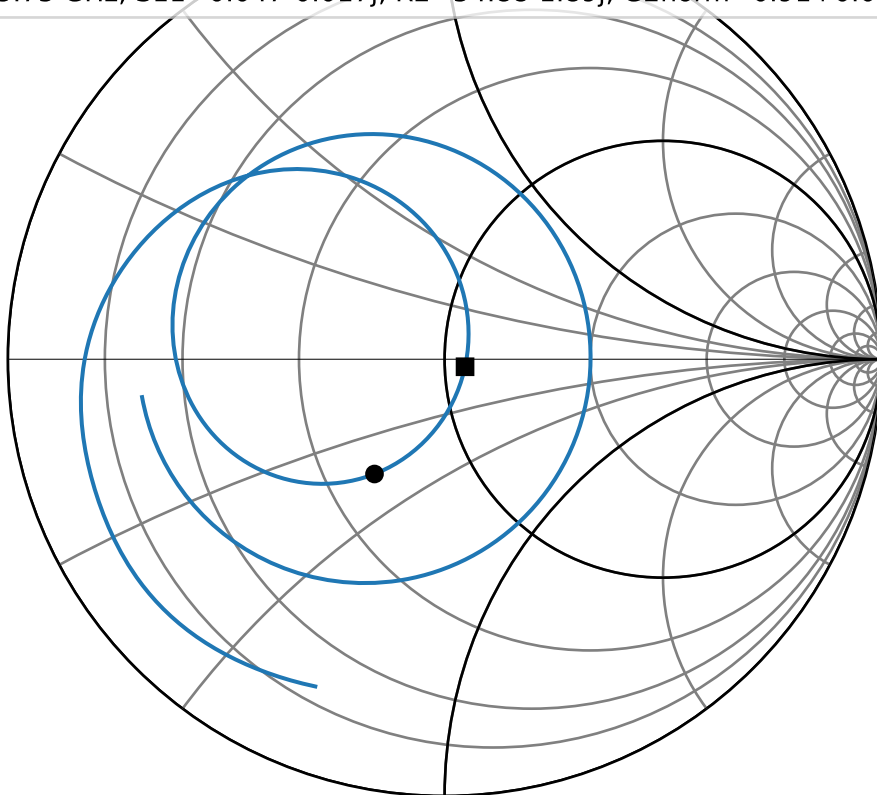


Reflection Coefficient S_{11}

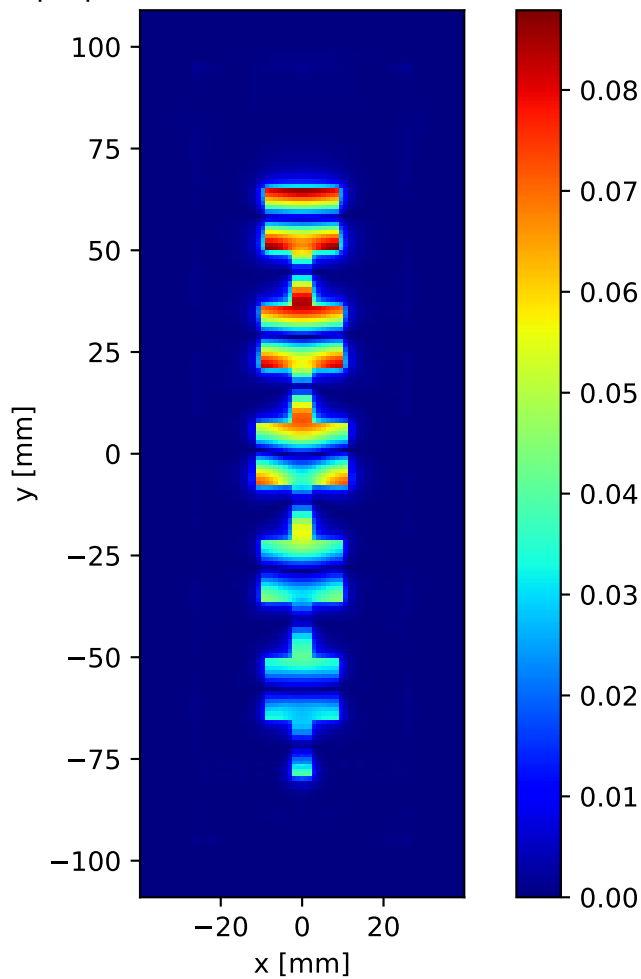


Smith Chart

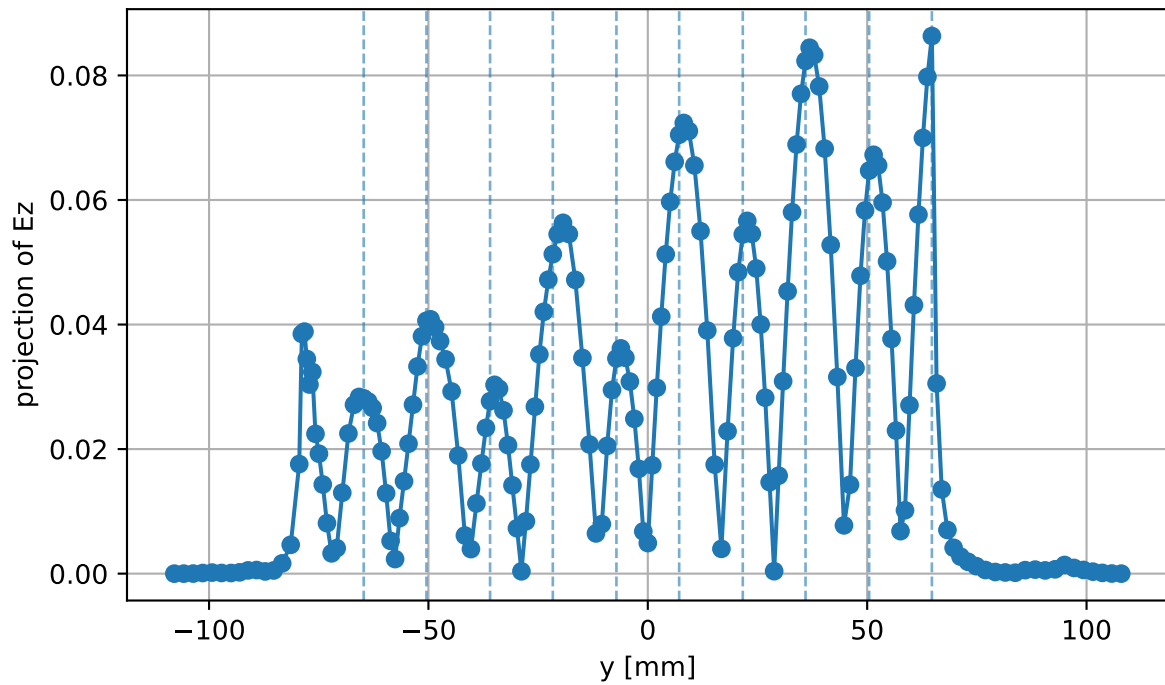
- S11 (Patch W=19.00 mm, L=14.30 mm)
- 5.80 GHz, S11=-0.160-0.263j, R=31.97-18.56j, Gnorm=1.17+0.68j
- 5.75 GHz, S11=0.047-0.017j, R2=54.88-1.89j, G2norm=0.91+0.03j



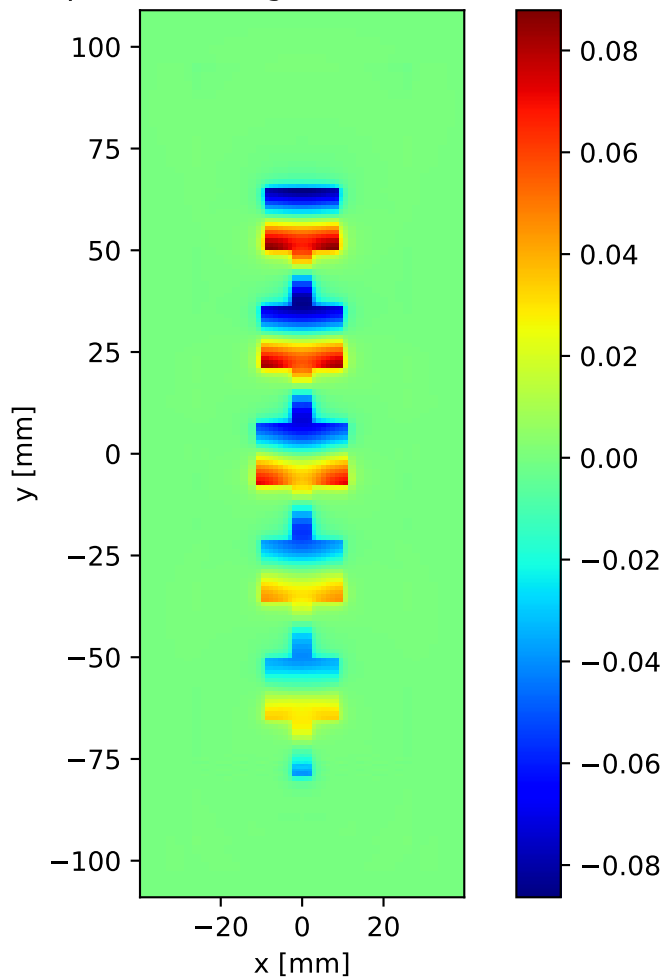
$|E_z|$ slice at $z = 0.76$ mm (idx 20)



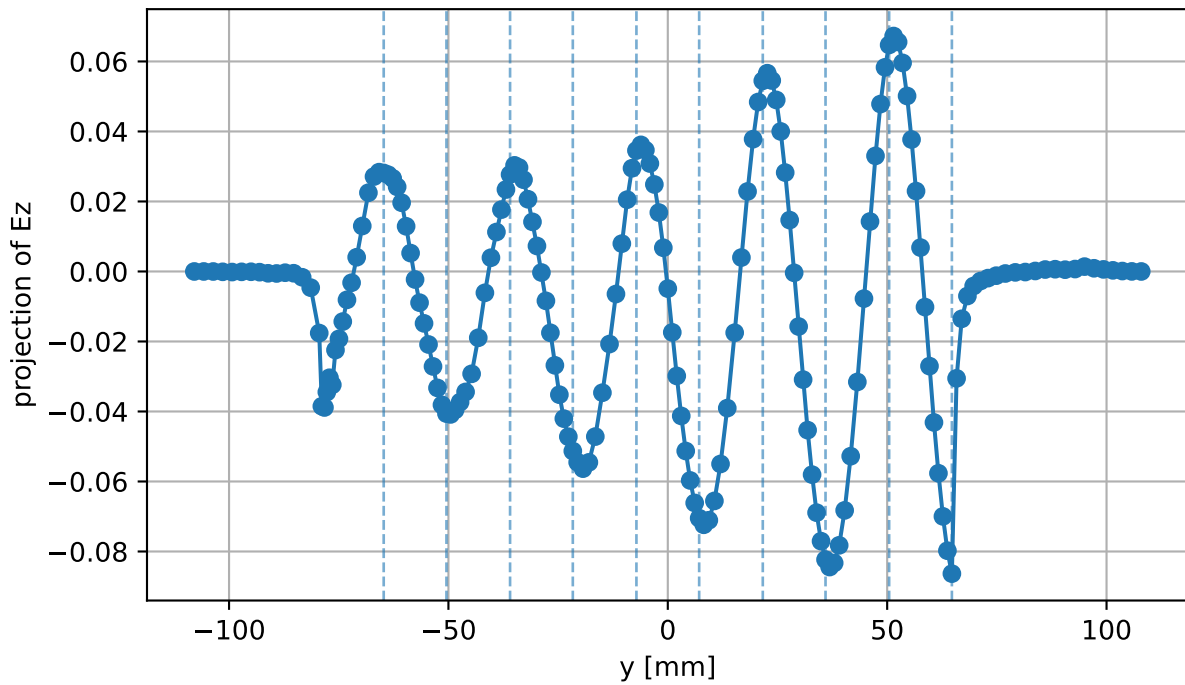
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=24$, $z=20$)



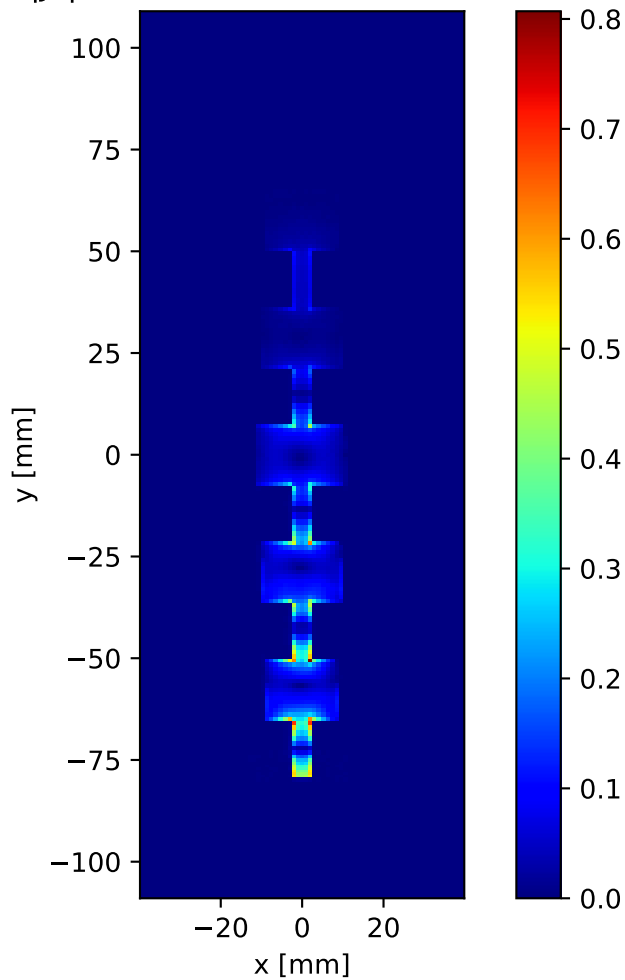
Ez snapshot (dphi=-0.20deg) slice at $z = 0.76$ mm (idx 20)



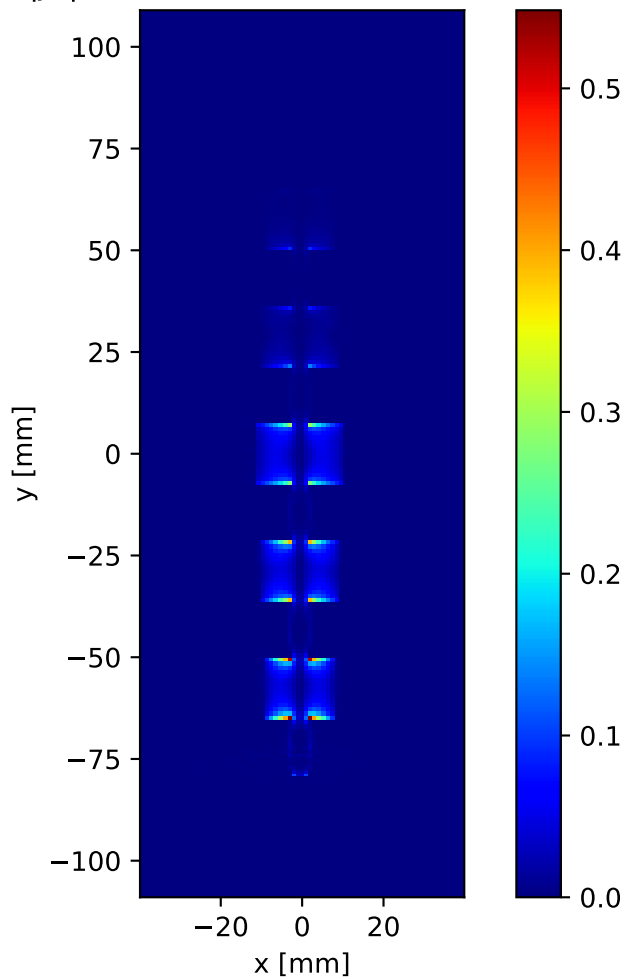
Ez snapshot (dphi=-0.20deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=24, z=20)



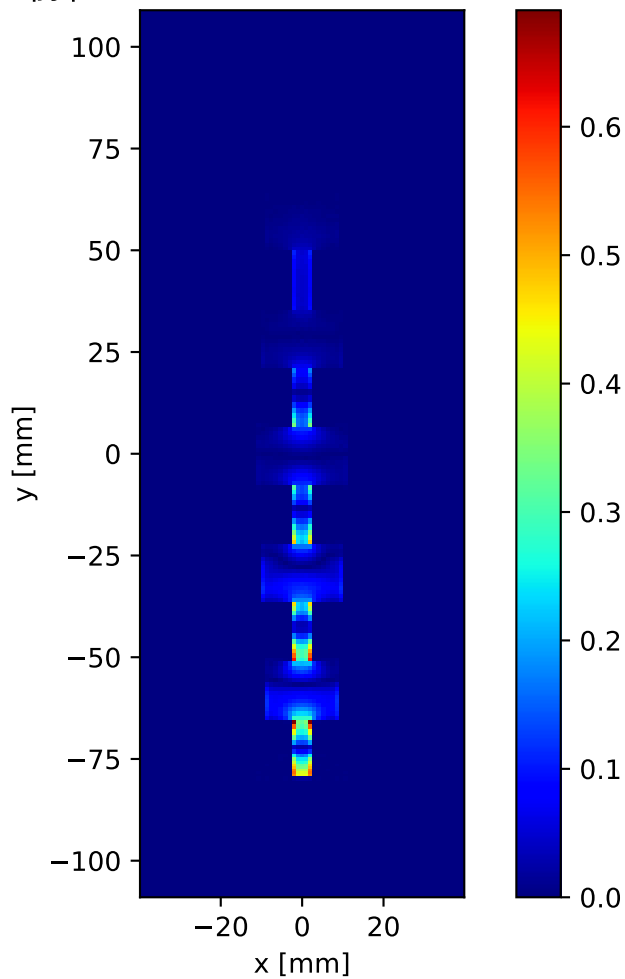
$|J_s|$ slice at $z = 1.524$ mm (idx 22)



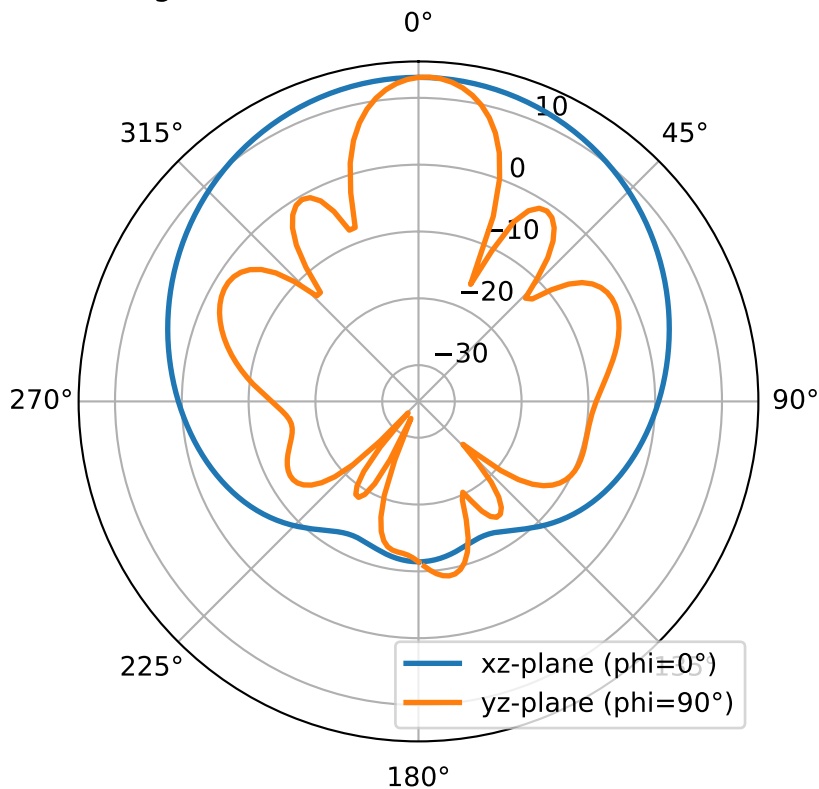
$|J_x|$ slice at $z = 1.524$ mm (idx 22)



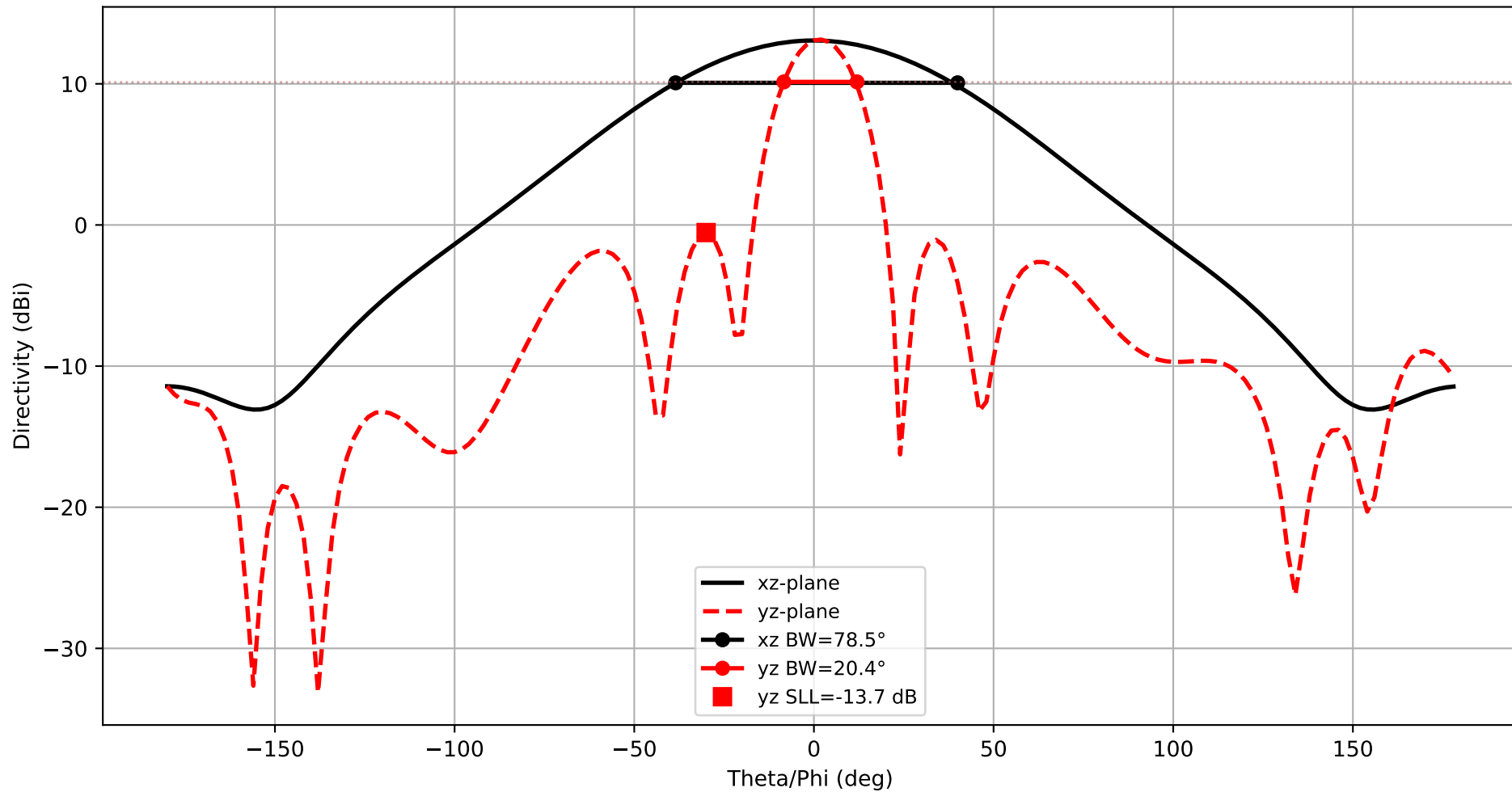
$|j_y|$ slice at $z = 1.524$ mm (idx 22)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 13.14 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 13.14 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=78.5°
yz-plane: HPBW=20.4°



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\text{max}} = 13.09 \text{ dBi}$

