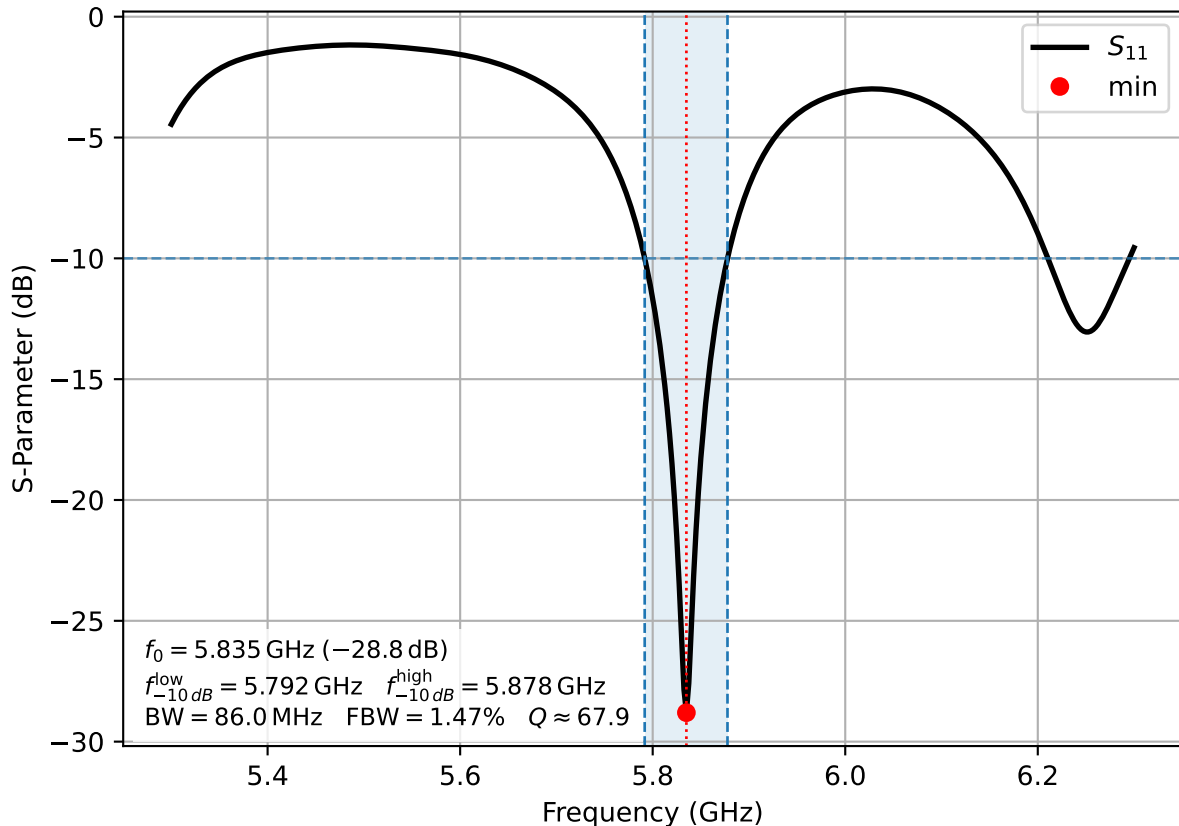
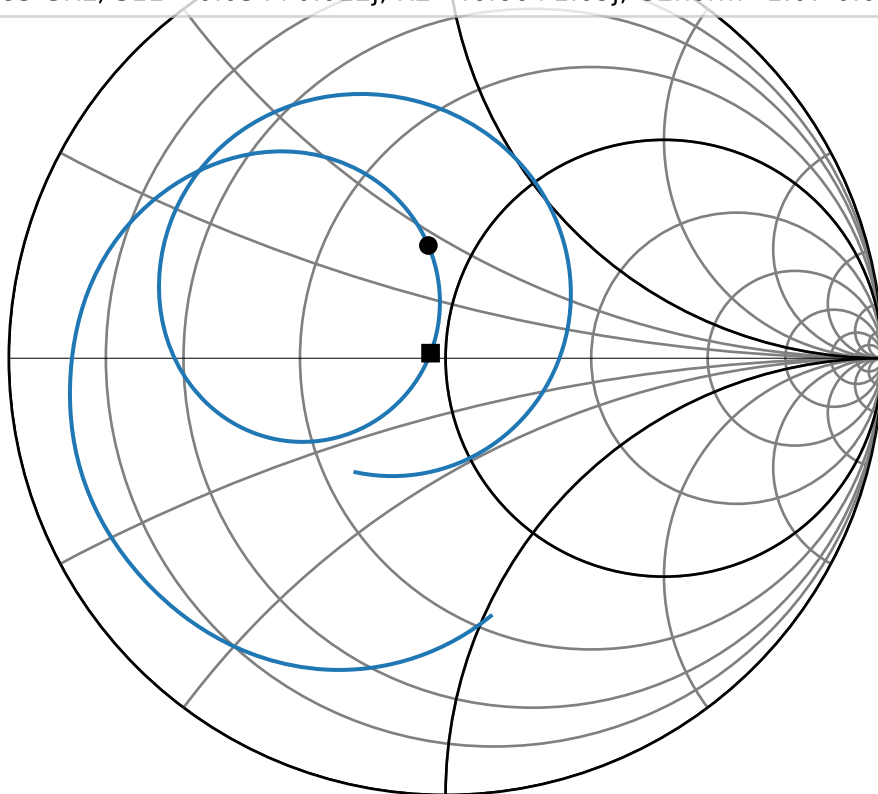


Reflection Coefficient S_{11}

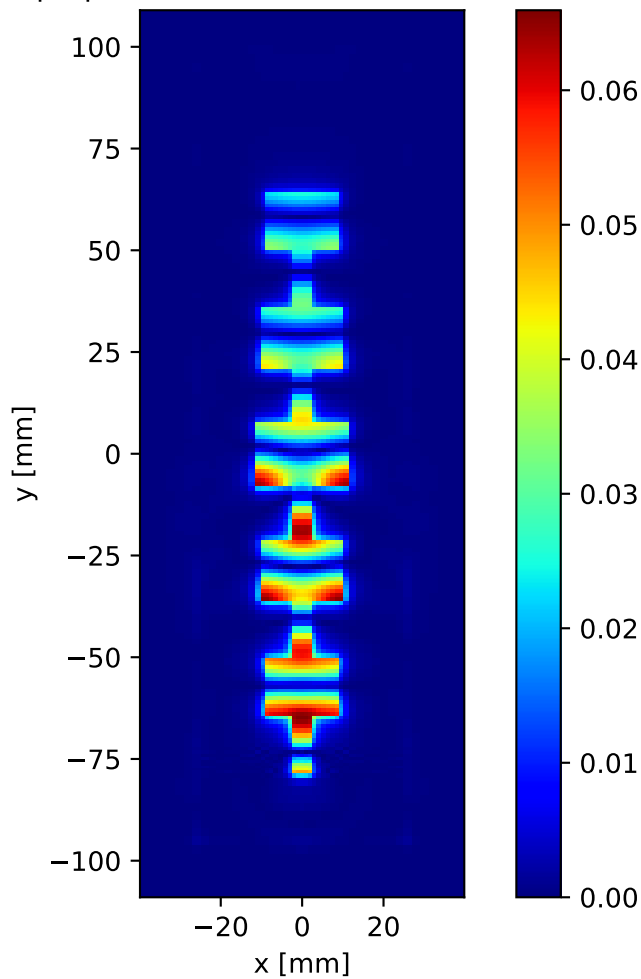


Smith Chart

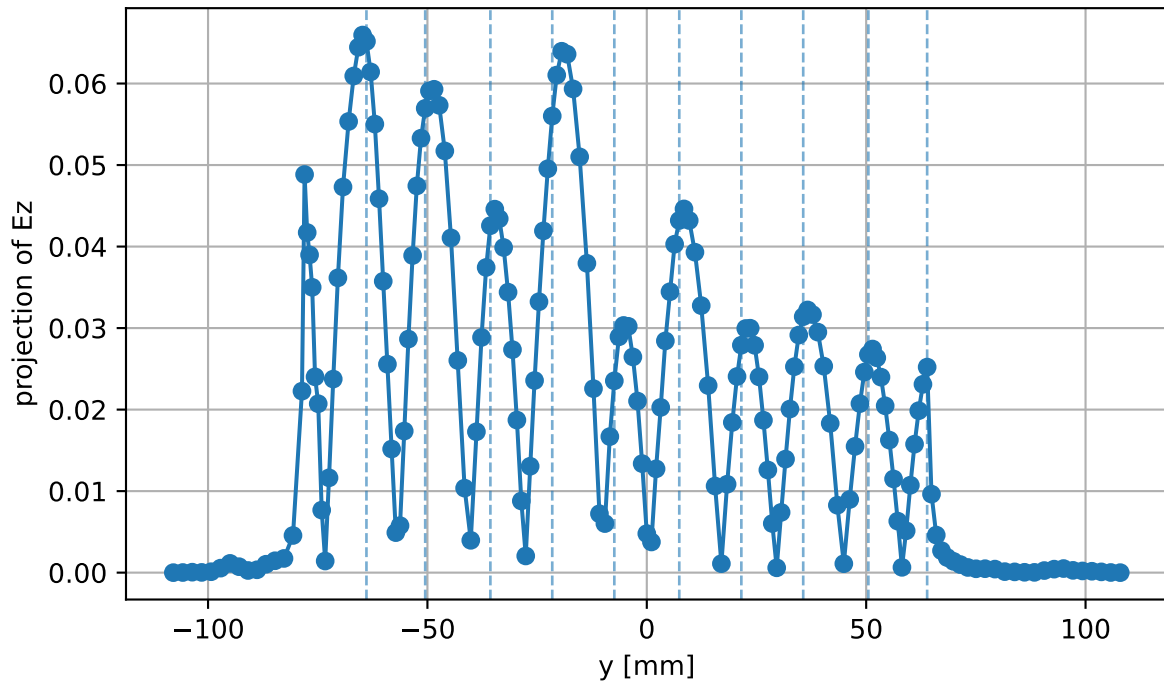
- S11 (Patch W=19.10 mm, L=14.10 mm)
- 5.80 GHz, S11=-0.039+0.258j, R=40.62+22.50j, Gnorm=0.94-0.52j
- 5.83 GHz, S11=-0.034+0.012j, R2=46.66+1.09j, G2norm=1.07-0.02j



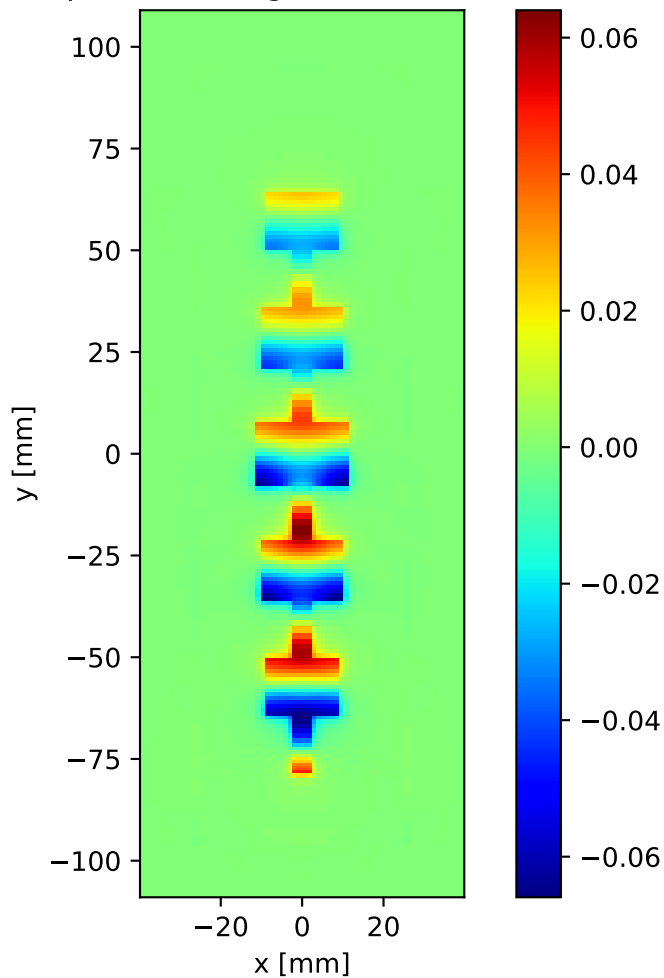
$|E_z|$ slice at $z = 0.76$ mm (idx 20)



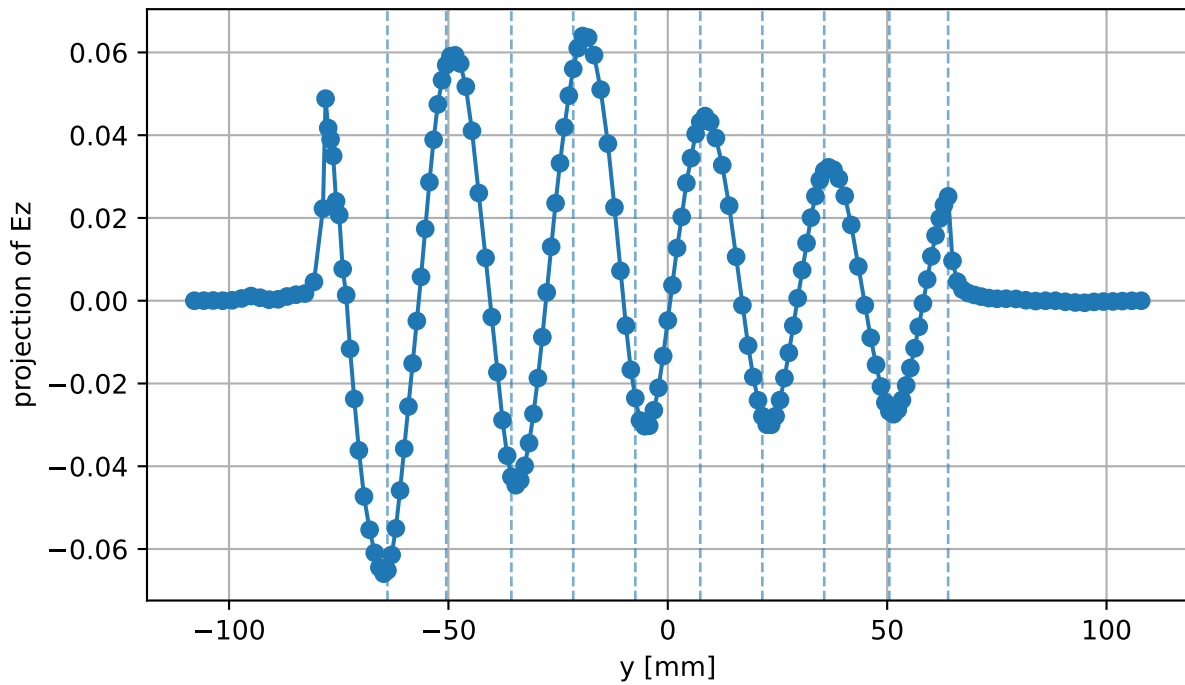
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=24$, $z=20$)



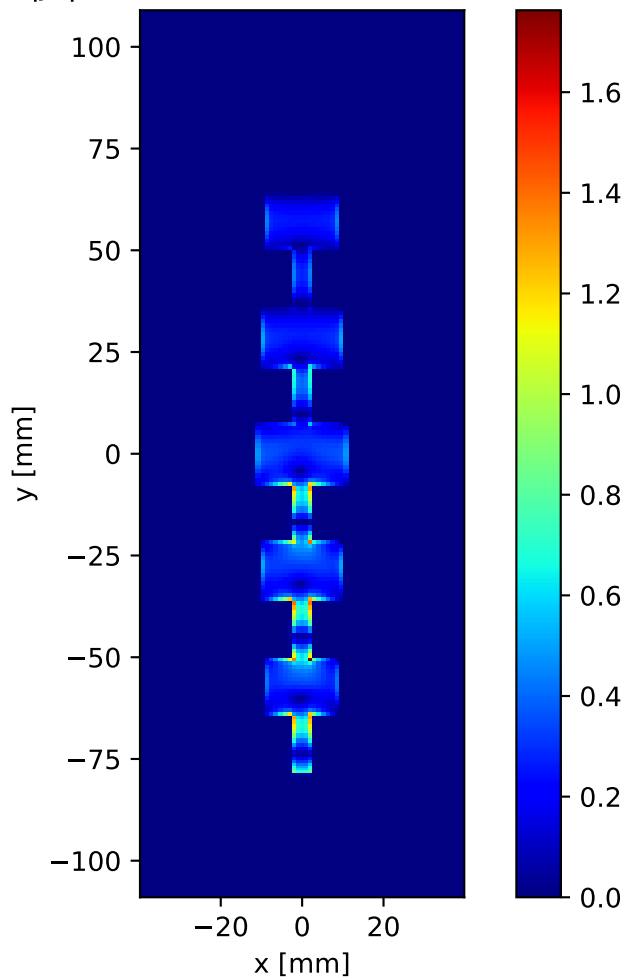
Ez snapshot (dphi=-0.30deg) slice at $z = 0.76$ mm (idx 20)



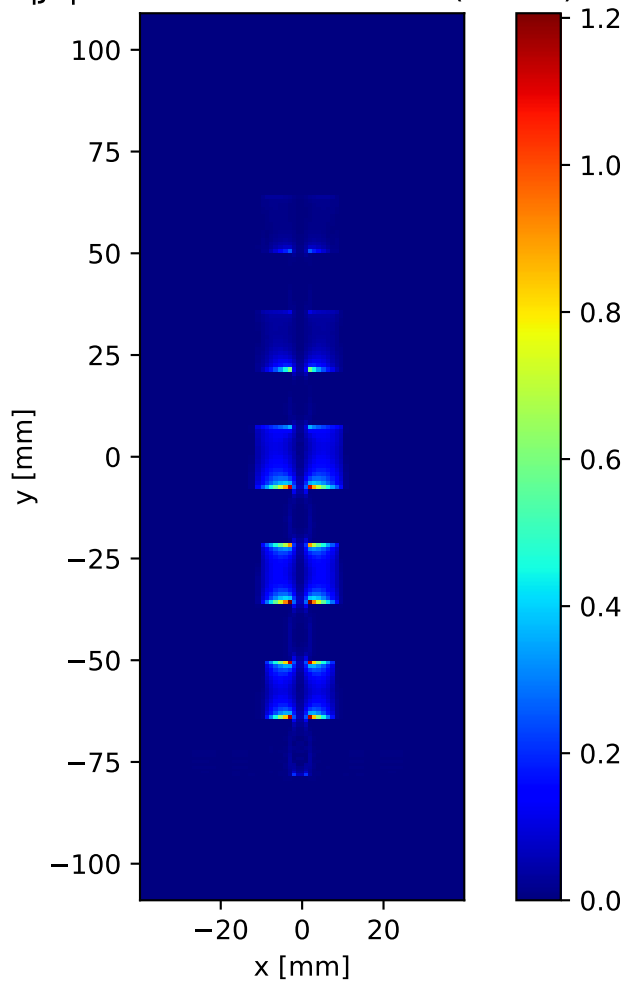
Ez snapshot (dphi=-0.30deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=24, z=20)



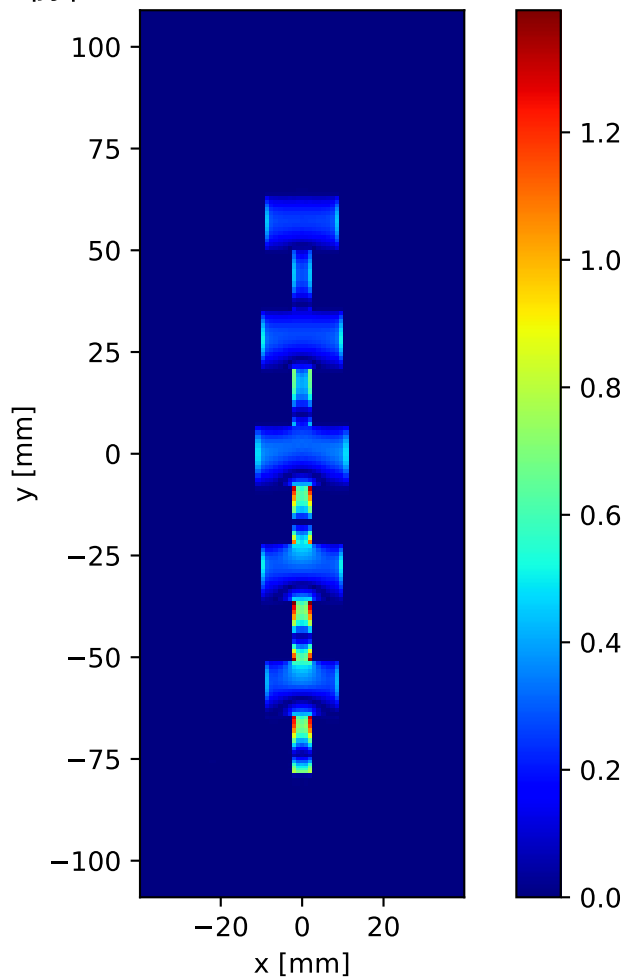
$|J_s|$ slice at $z = 1.524$ mm (idx 22)



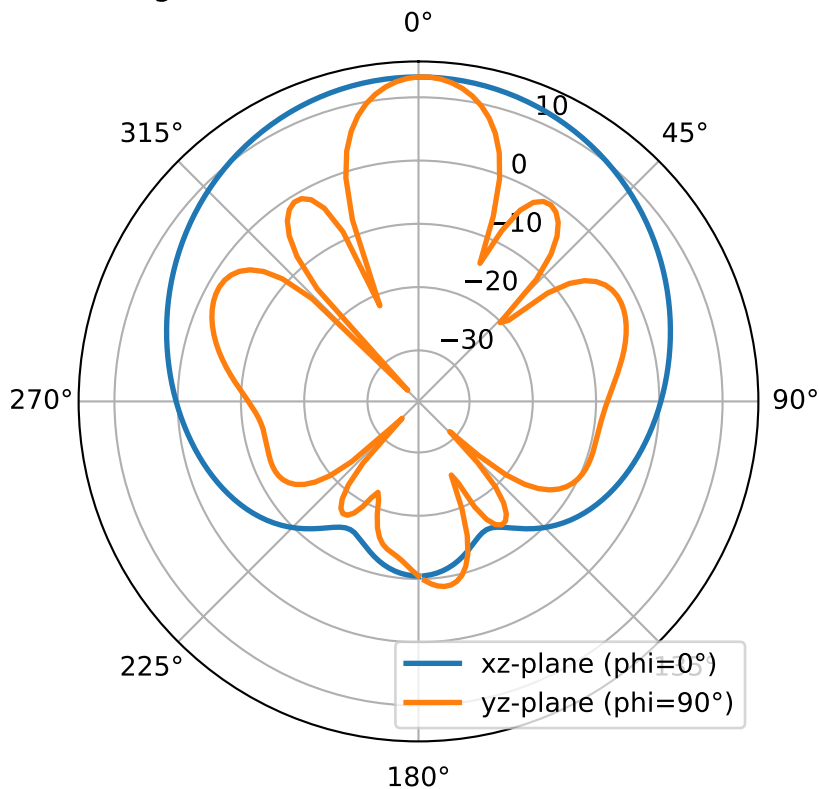
$|J_x|$ slice at $z = 1.524$ mm (idx 22)



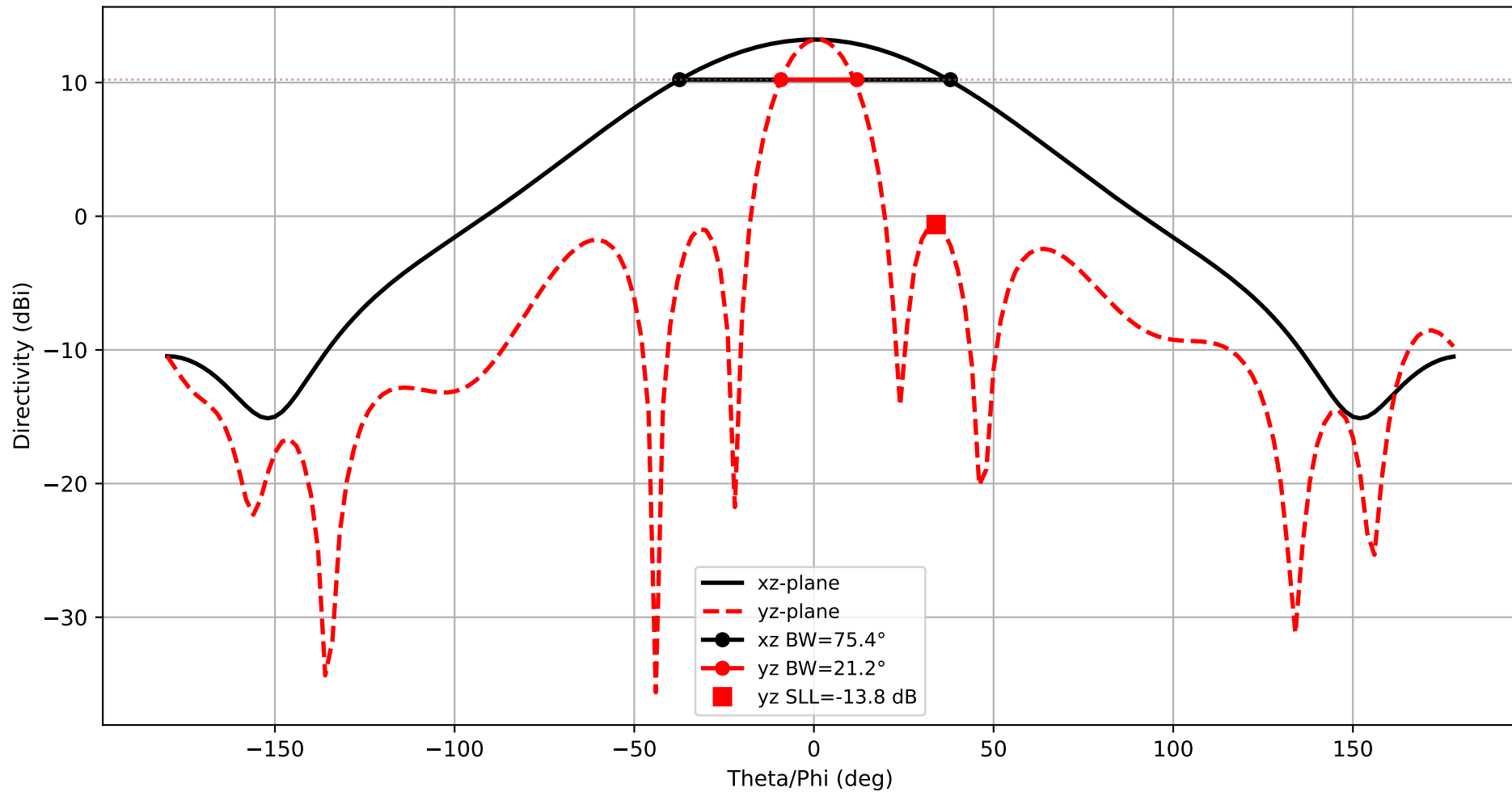
$|j_y|$ slice at $z = 1.524$ mm (idx 22)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 13.22 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 13.22 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=75.4°
yz-plane: HPBW=21.2°



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\text{max}} = 13.22 \text{ dBi}$

