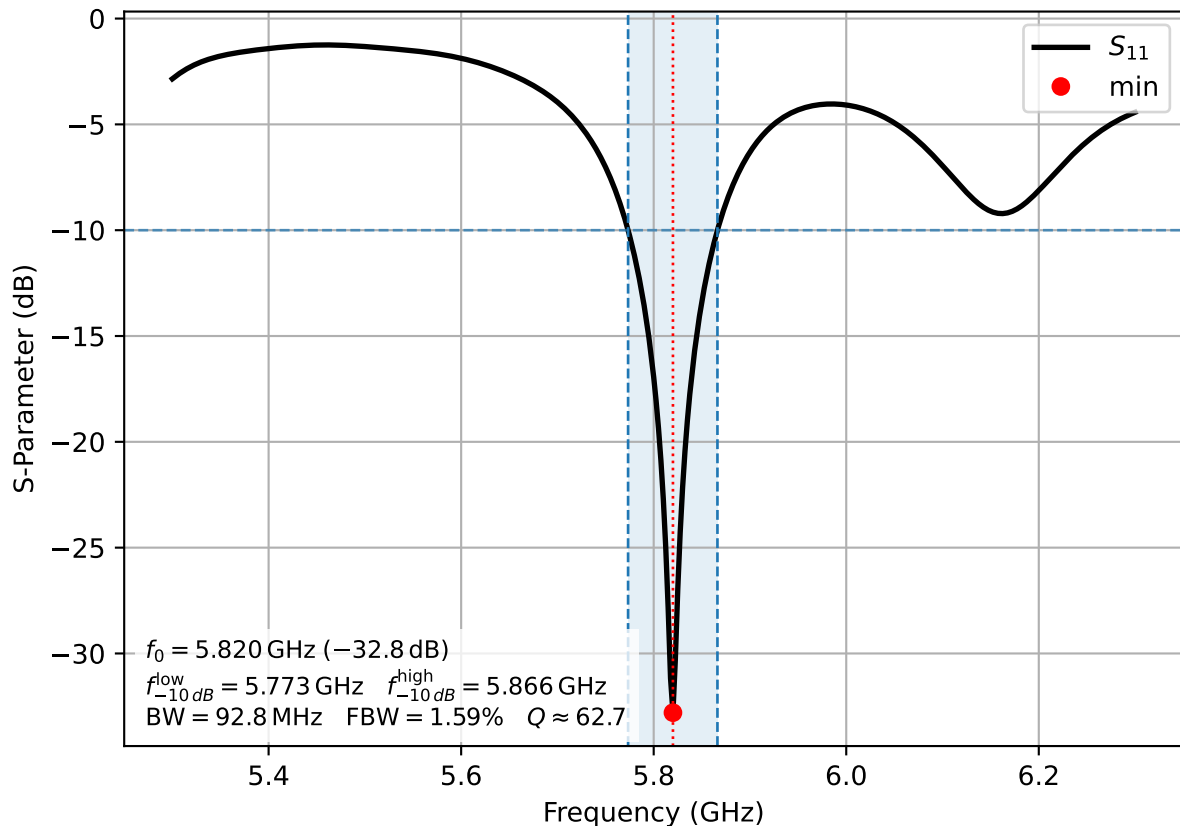
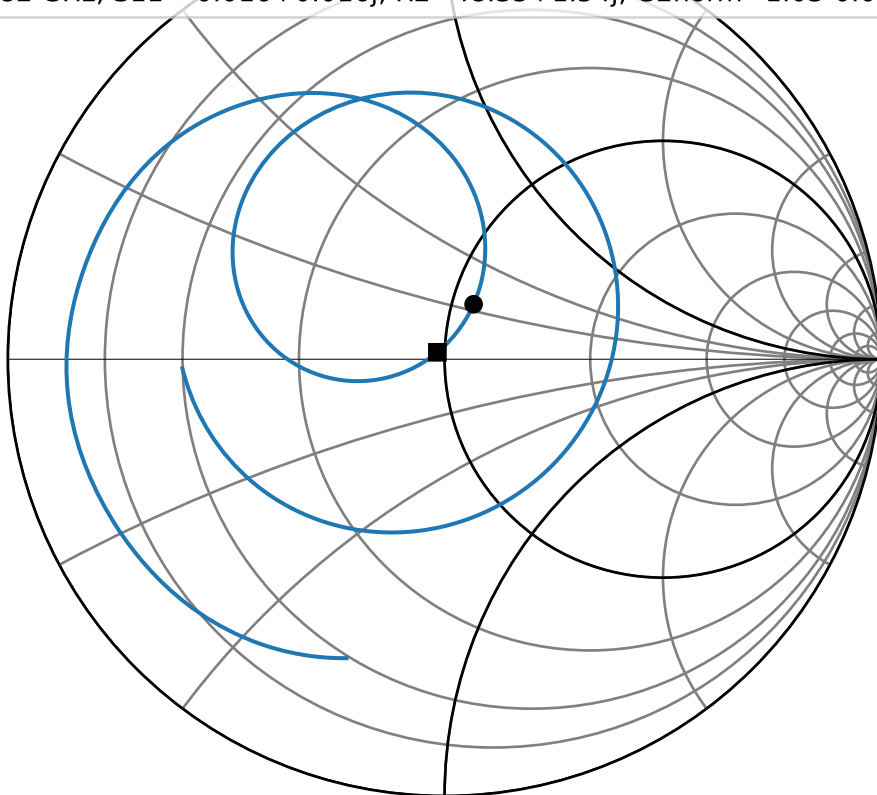


Reflection Coefficient S_{11}

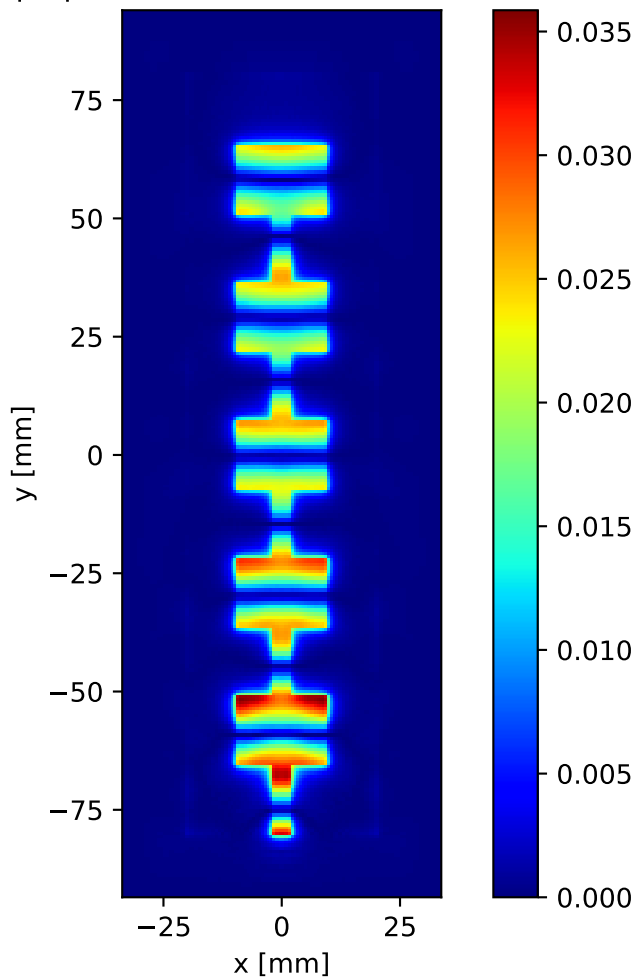


Smith Chart

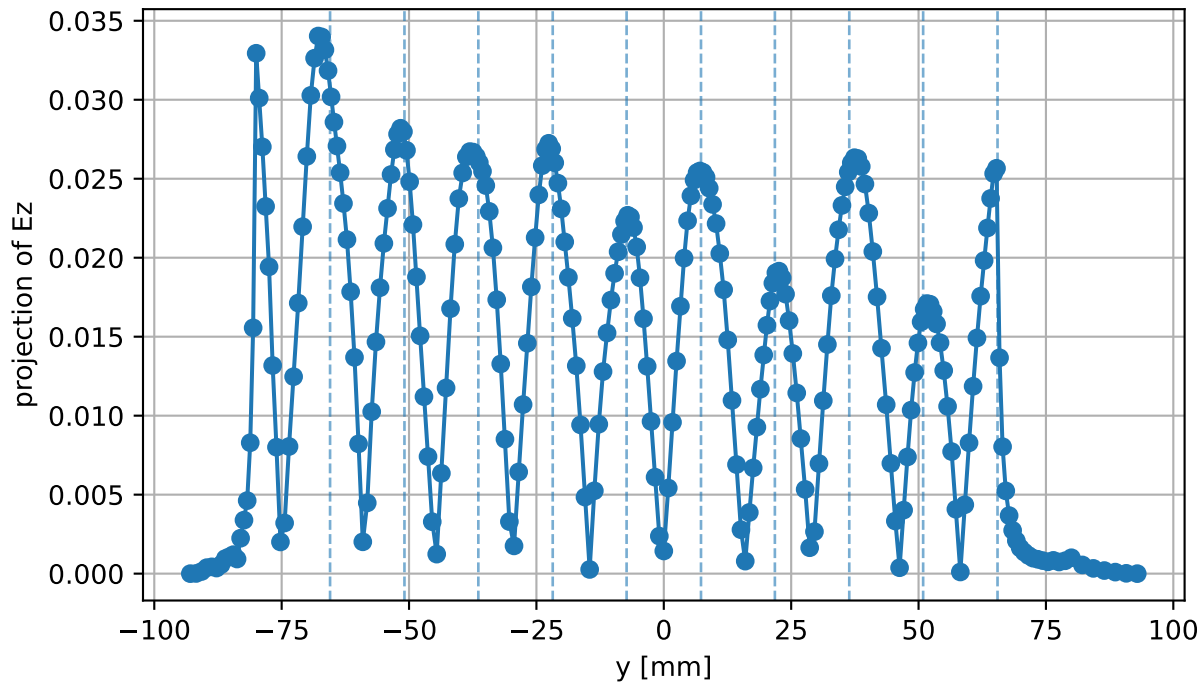
- S11 (Patch W=19.00 mm, L=14.60 mm)
- 5.80 GHz, S11=0.066+0.126j, R=55.21+14.18j, Gnorm=0.85-0.22j
- 5.82 GHz, S11=-0.016+0.016j, R2=48.35+1.54j, G2norm=1.03-0.03j



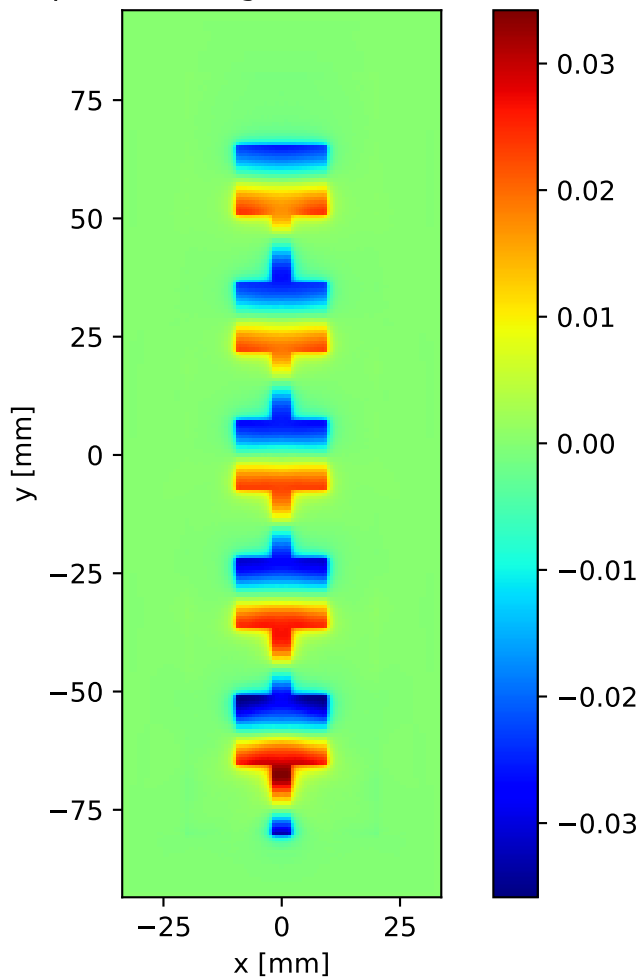
$|E_z|$ slice at $z = 0.76$ mm (idx 26)



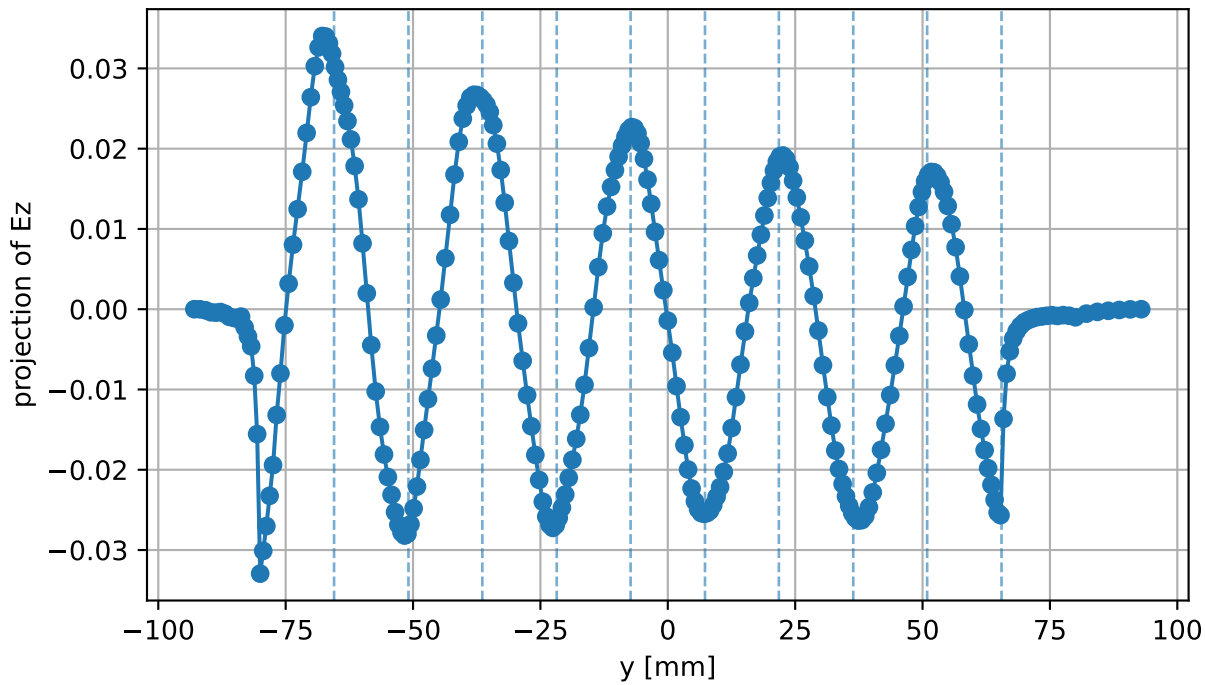
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx x=39, z=26)



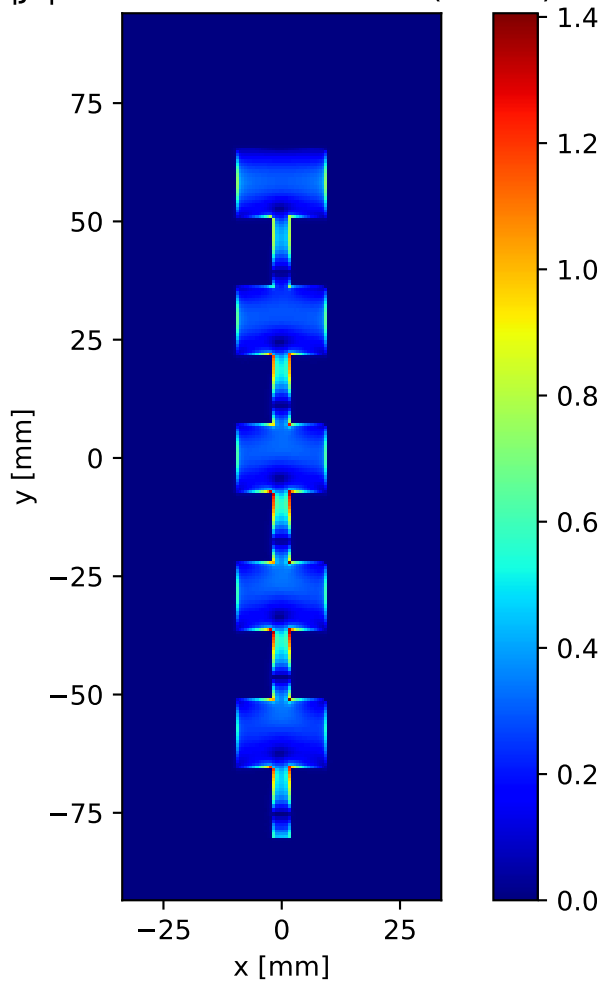
Ez snapshot (dphi=0.24deg) slice at $z = 0.76$ mm (idx 26)



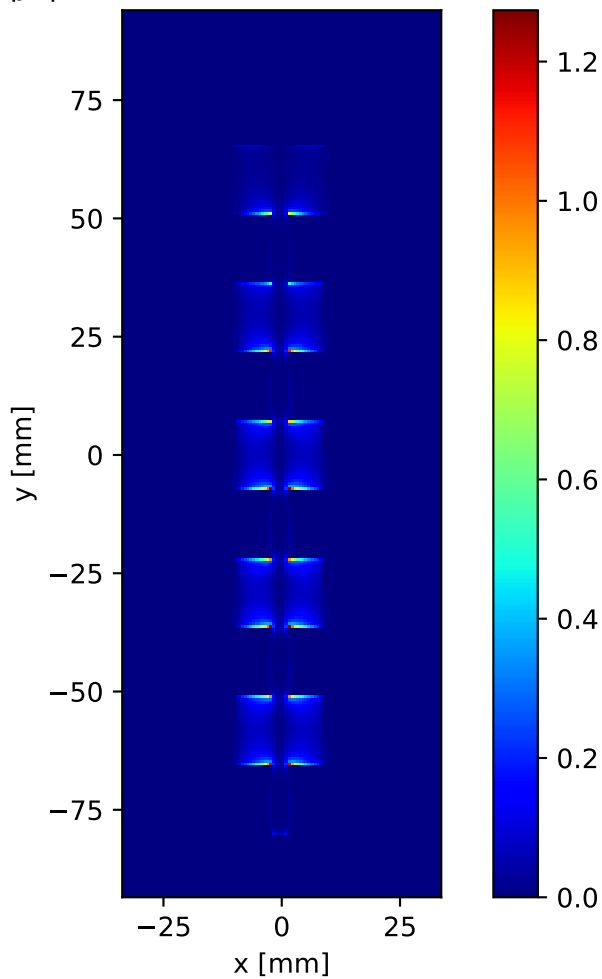
Ez snapshot (dphi=0.24deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=39, z=26)



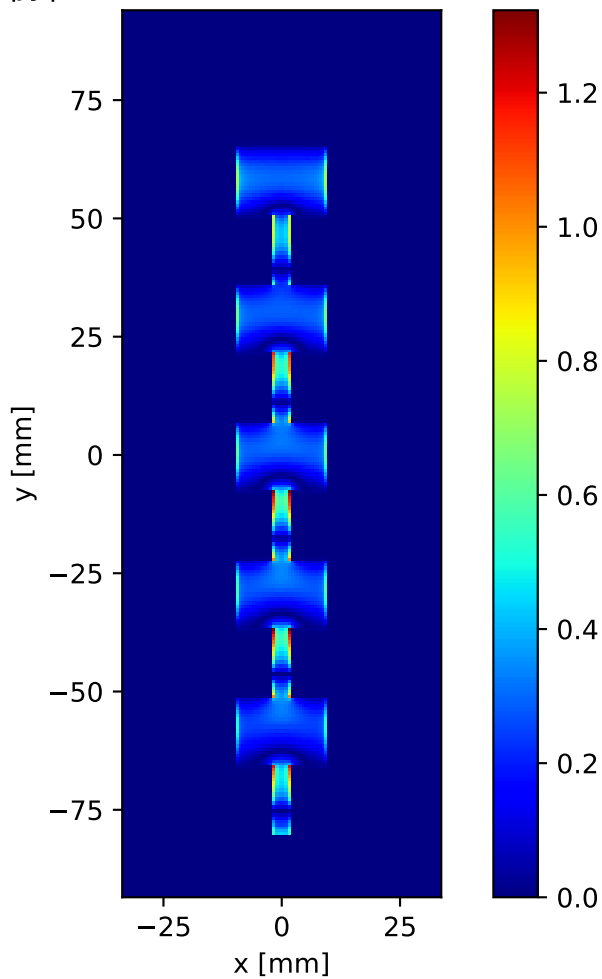
$|J_s|$ slice at $z = 1.524$ mm (idx 28)



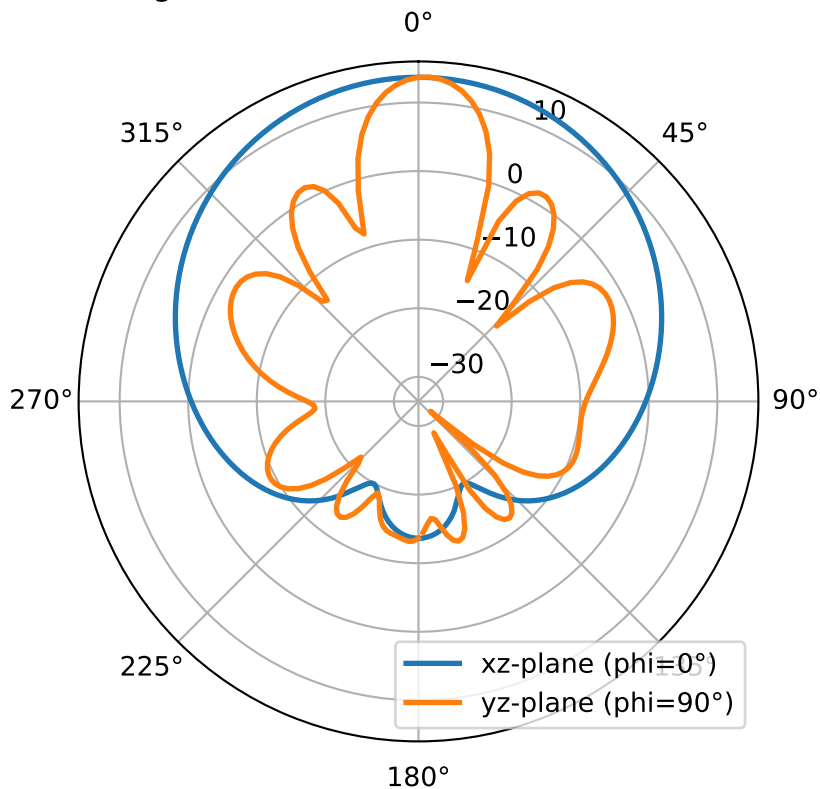
$|J_x|$ slice at $z = 1.524$ mm (idx 28)



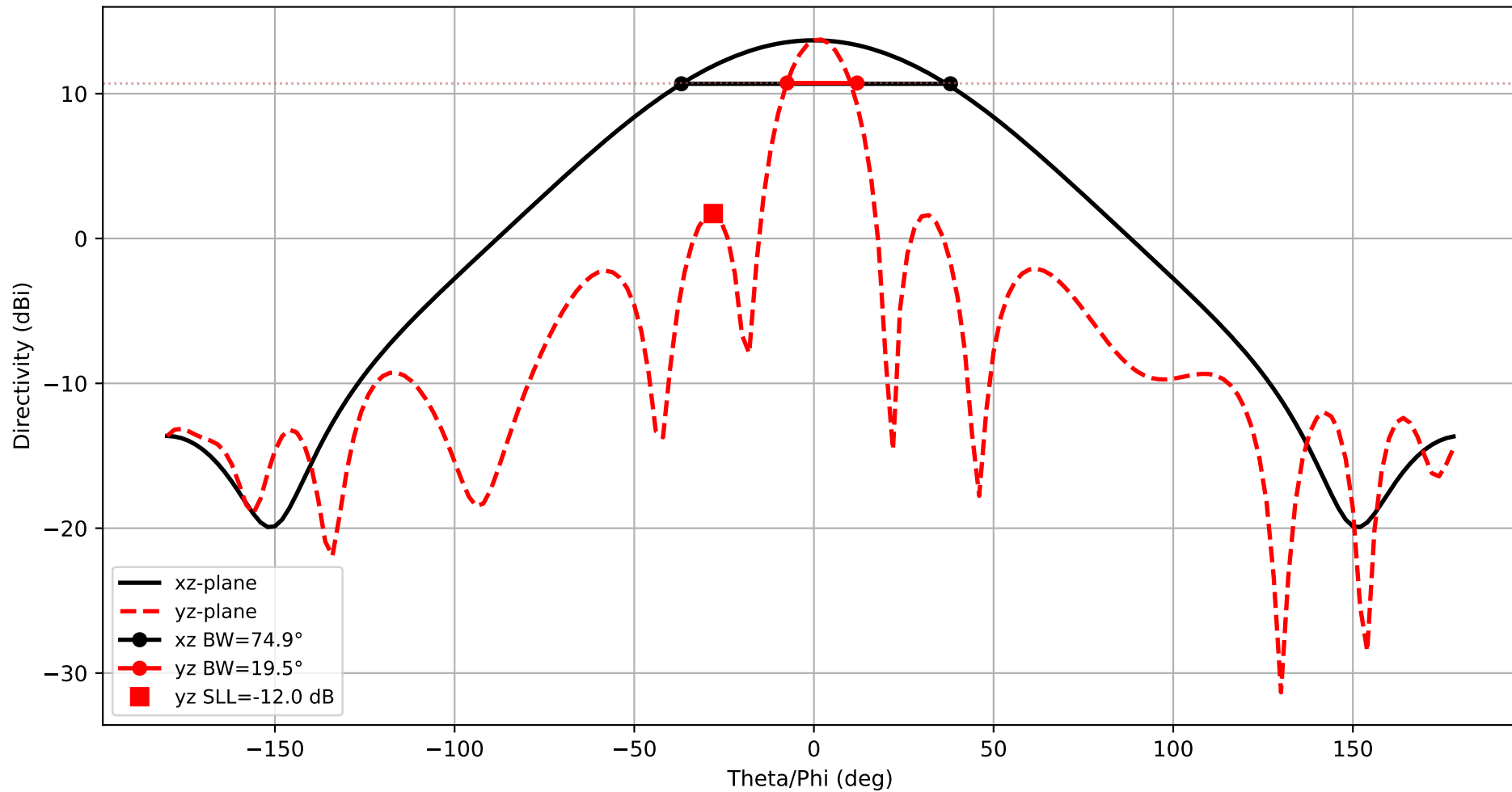
$|j_y|$ slice at $z = 1.524$ mm (idx 28)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 13.73 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 13.73 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=74.9°
yz-plane: HPBW=19.5°



3D Directivity Pattern
 $f = 5.800$ GHz, $D_{\max} = 13.69$ dBi

