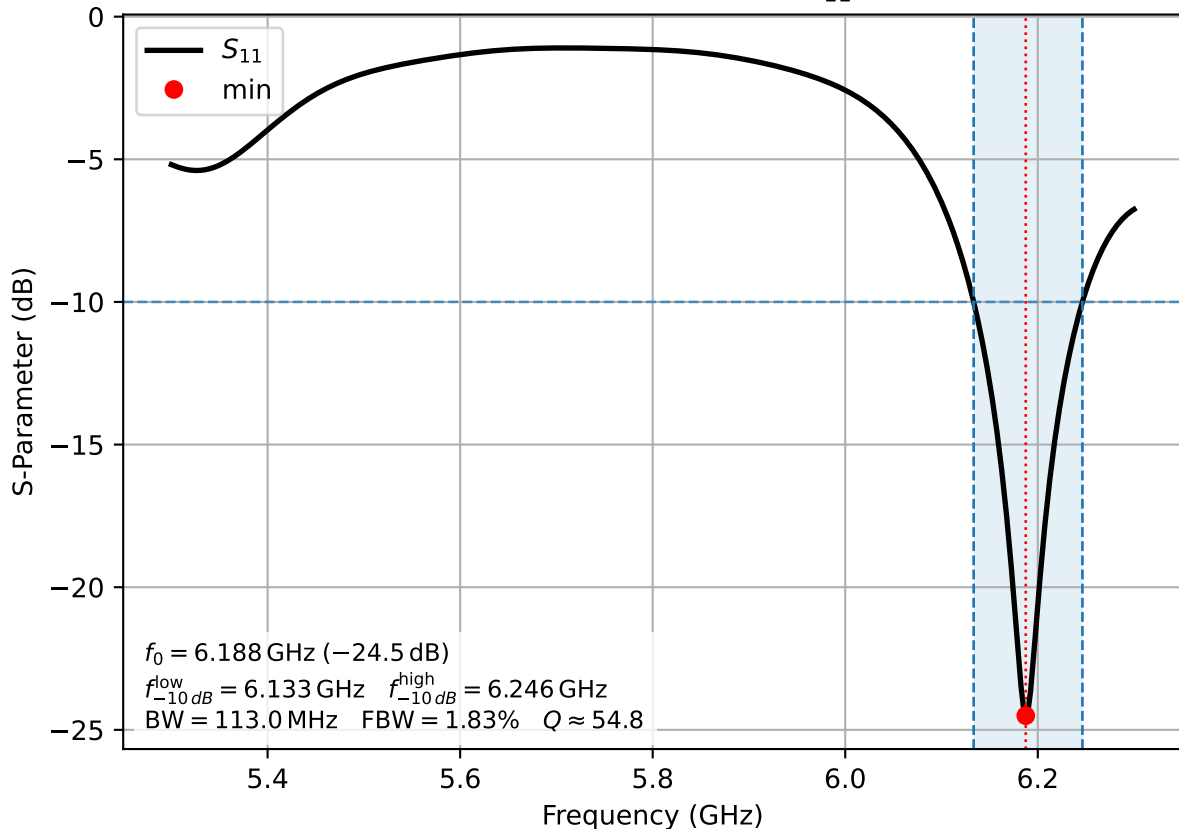
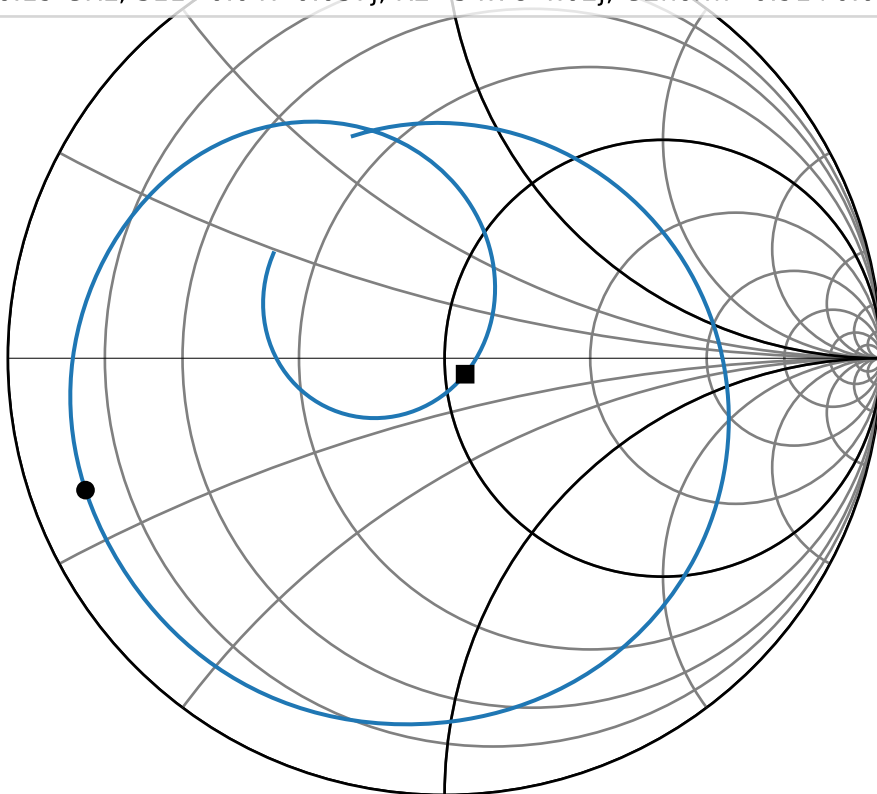


Reflection Coefficient S_{11}

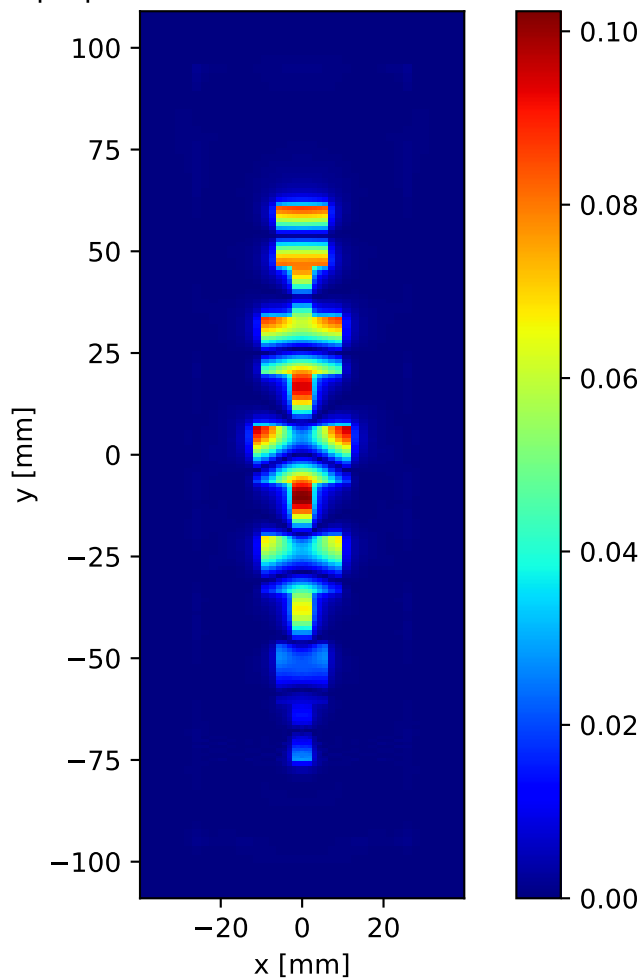


Smith Chart

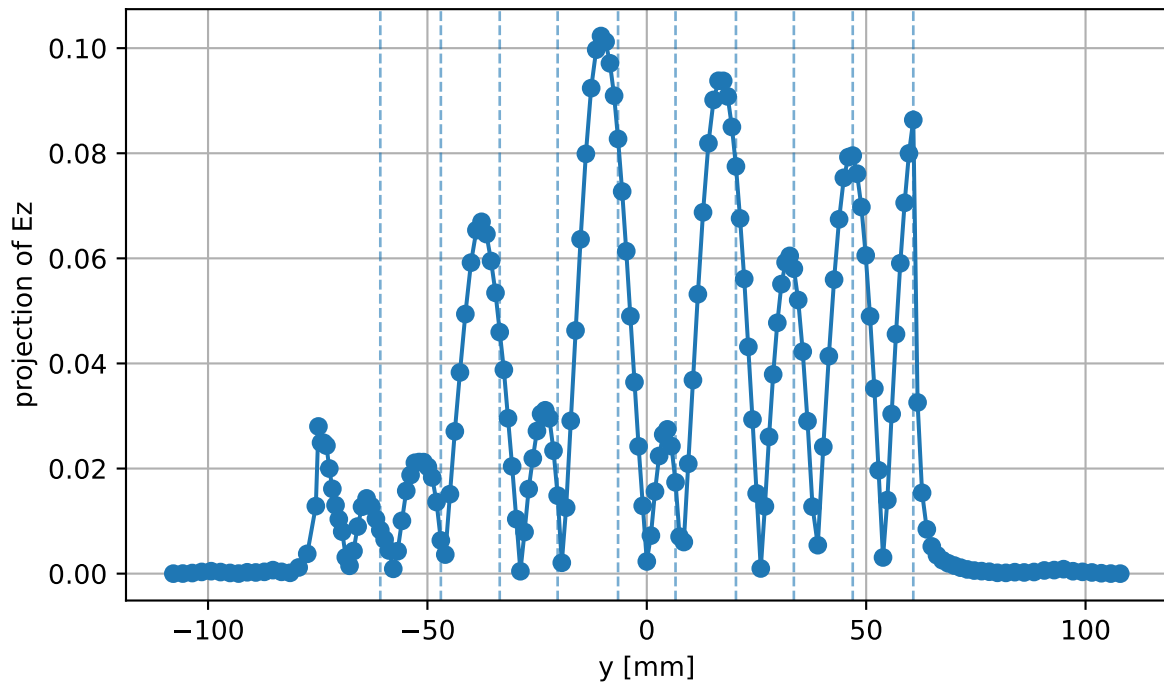
- S11 (Patch W=22.00 mm, L=13.10 mm)
- 5.80 GHz, S11=-0.822-0.302j, R=3.41-8.85j, Gnorm=1.90+4.92j
- 6.19 GHz, S11=0.047-0.037j, R2=54.78-4.02j, G2norm=0.91+0.07j



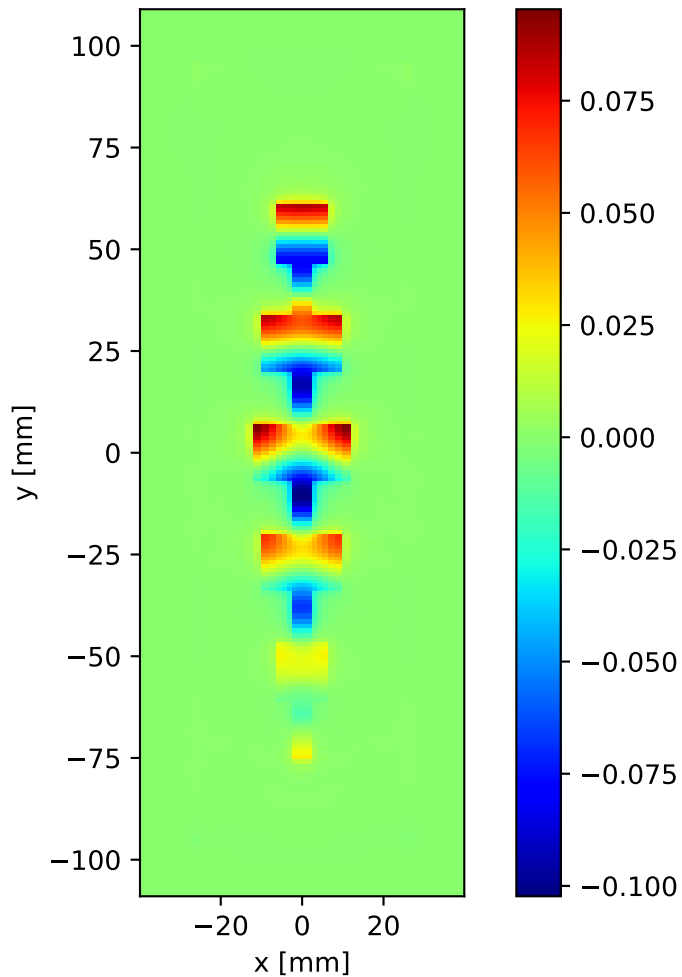
$|E_z|$ slice at $z = 0.76$ mm (idx 26)



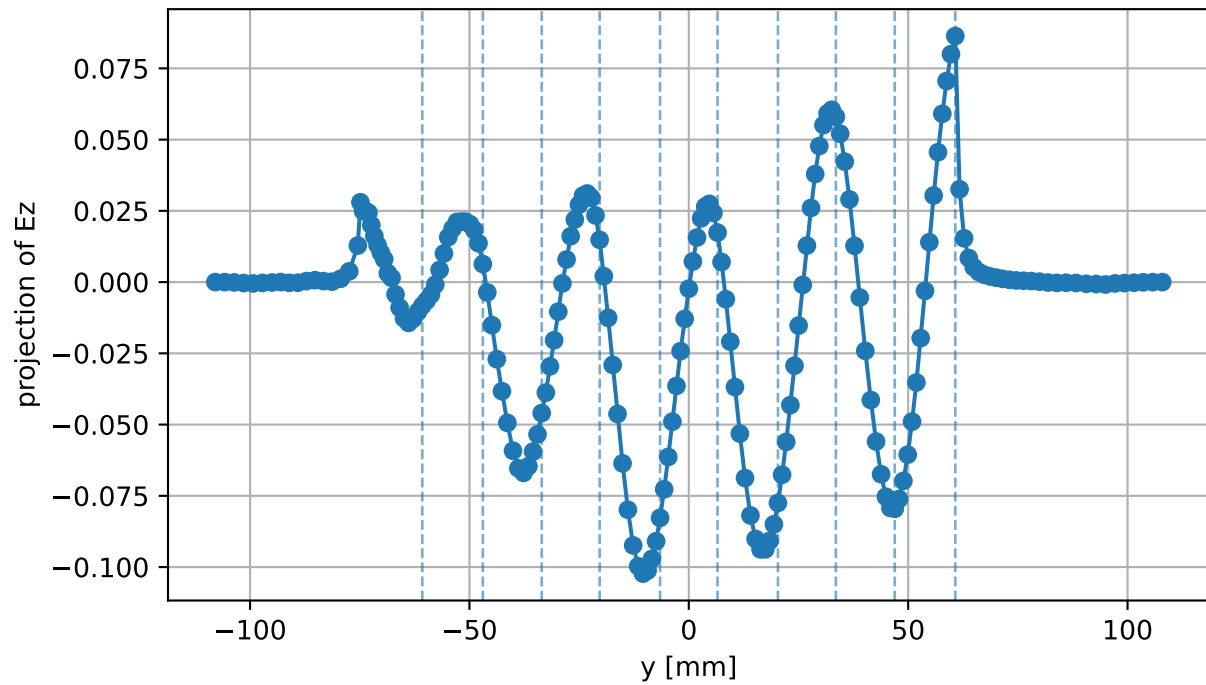
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx x=21, z=26)



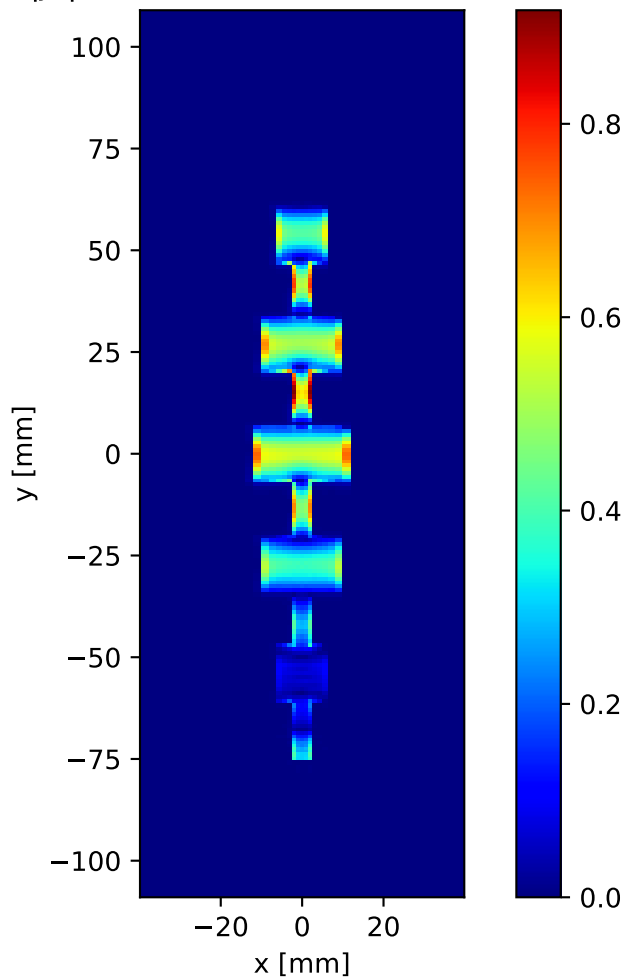
Ez snapshot (dphi=180.00deg) slice at $z = 0.76$ mm (idx 26)



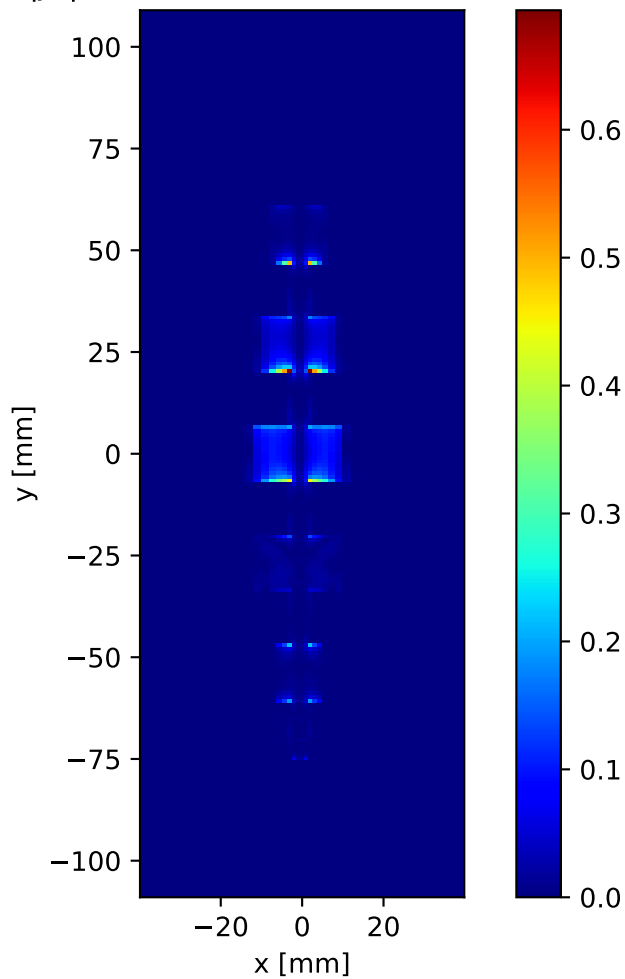
Ez snapshot (dphi=180.00deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=21, z=26)



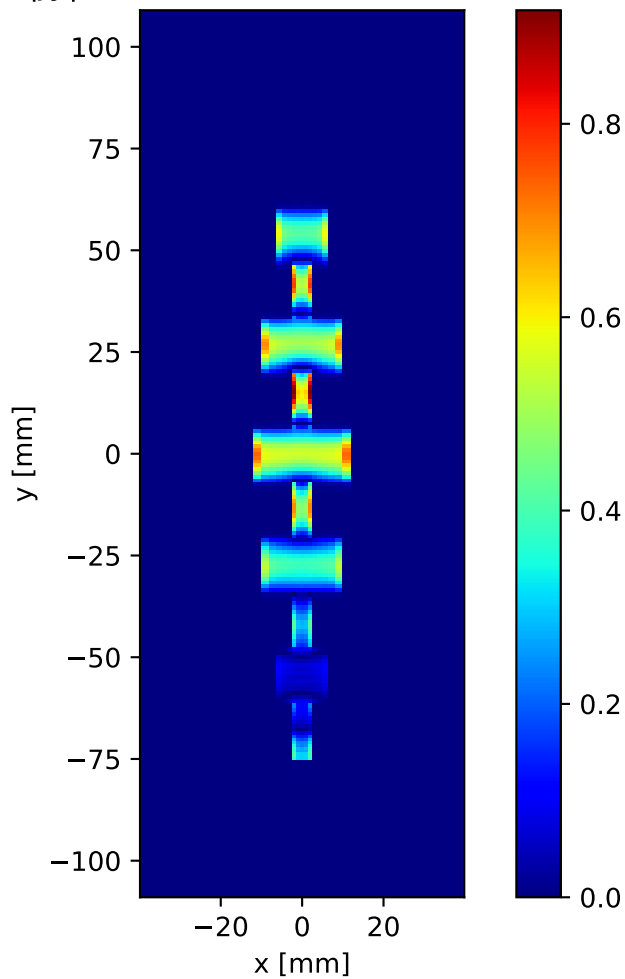
$|J_s|$ slice at $z = 1.524$ mm (idx 28)



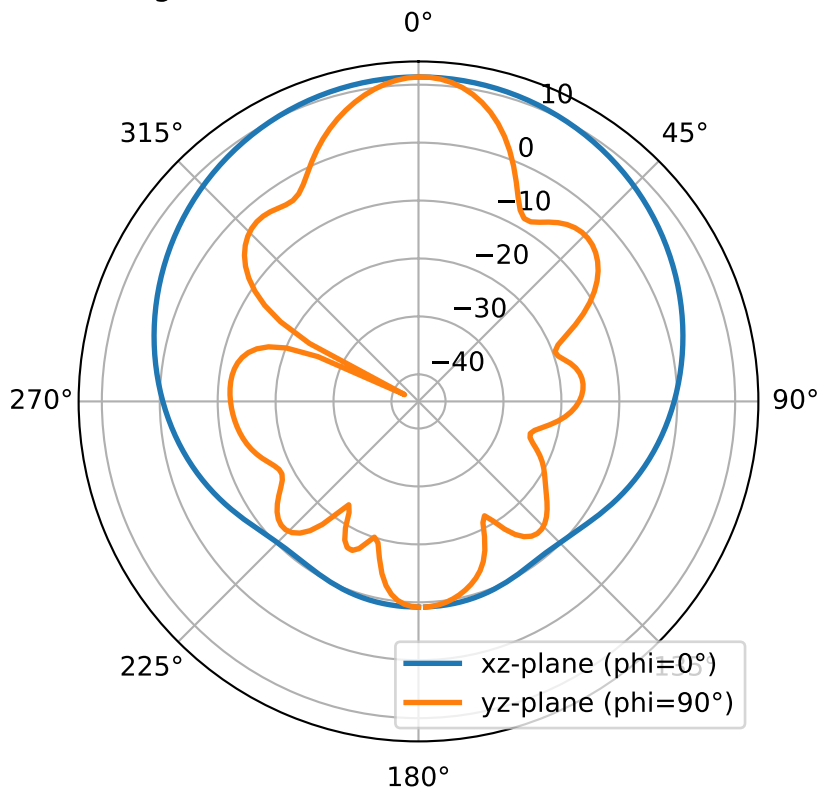
$|J_x|$ slice at $z = 1.524$ mm (idx 28)



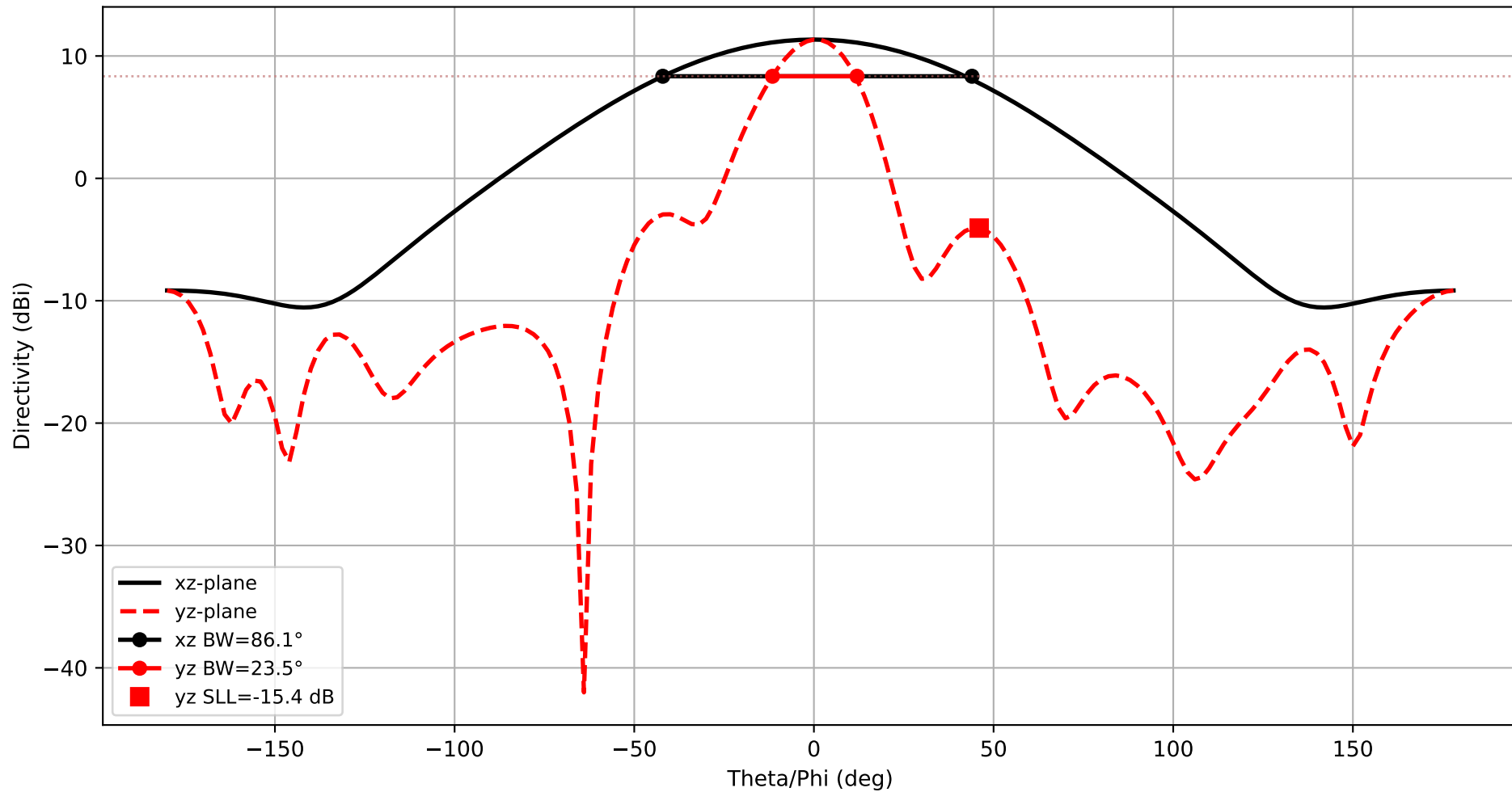
$|J_y|$ slice at $z = 1.524$ mm (idx 28)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 11.34 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 11.34 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=86.1°
yz-plane: HPBW=23.5°



3D Directivity Pattern
 $f = 5.800$ GHz, $D_{\max} = 11.34$ dBi

