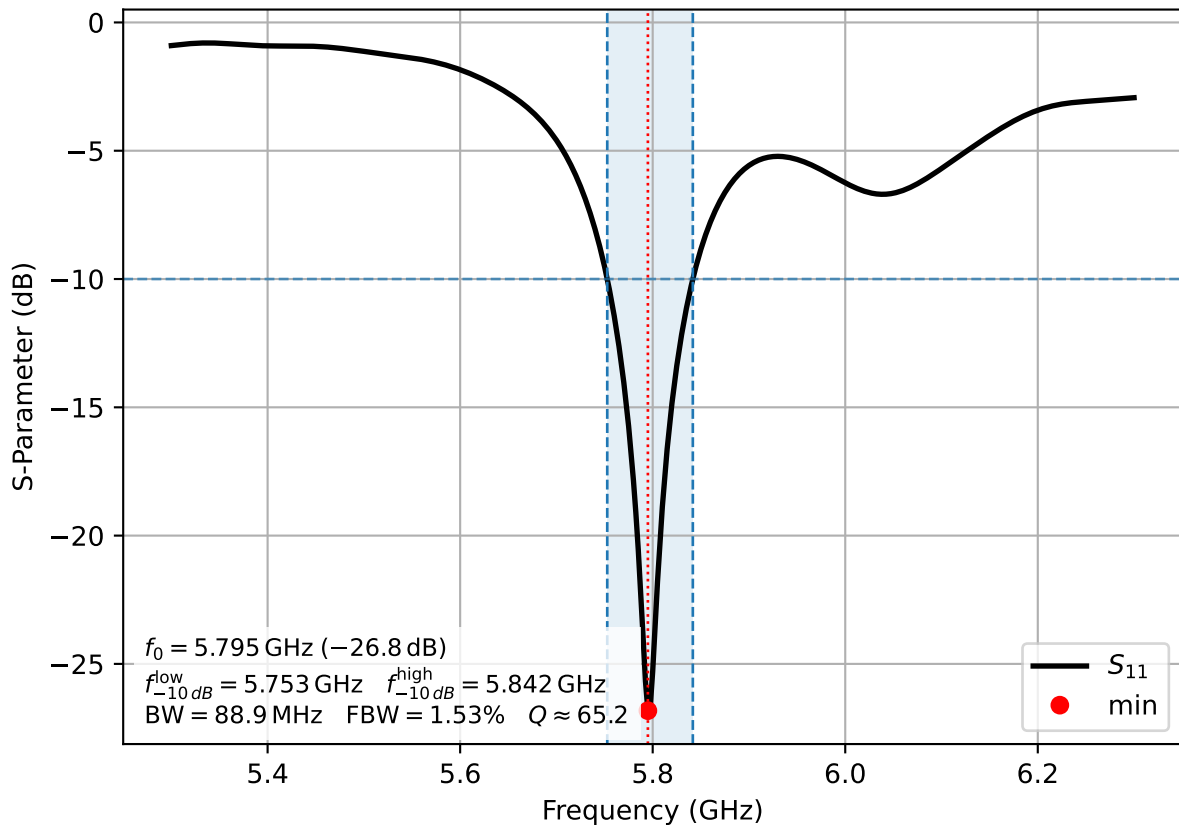
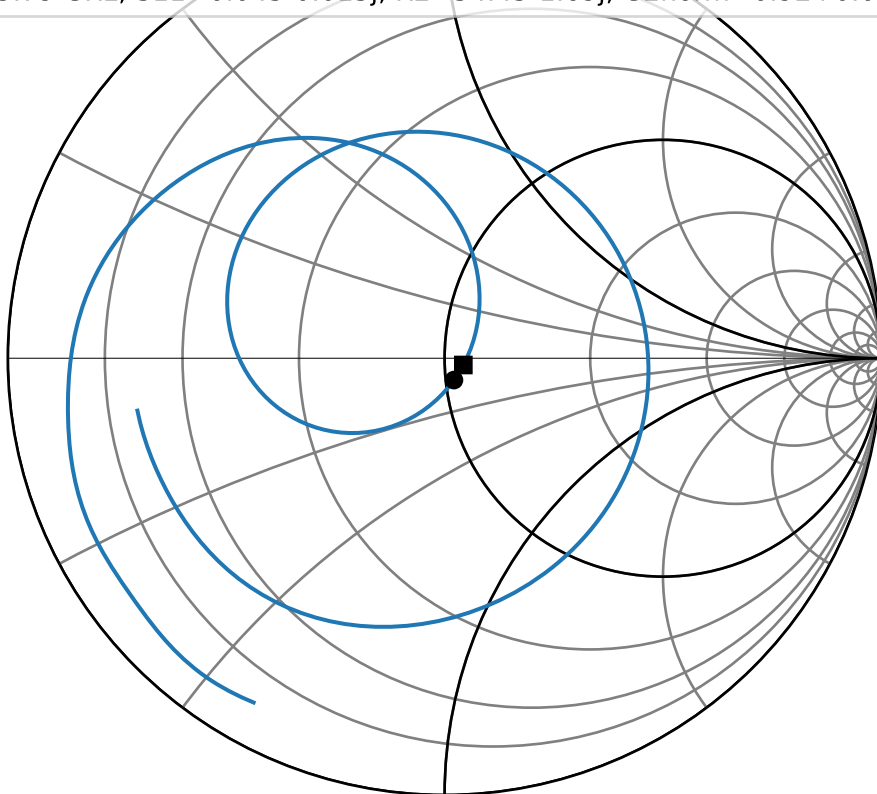


Reflection Coefficient S_{11}

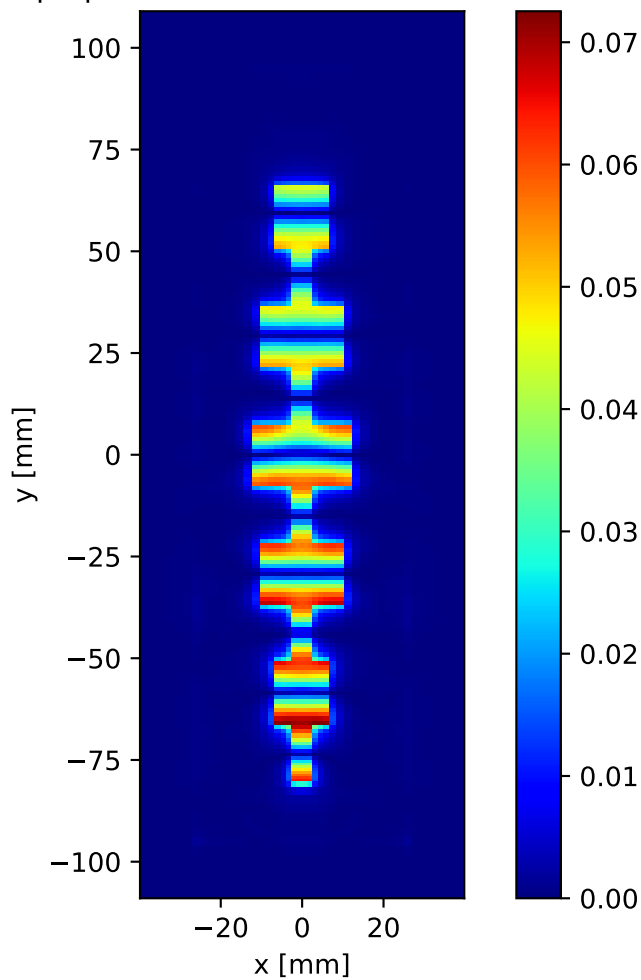


Smith Chart

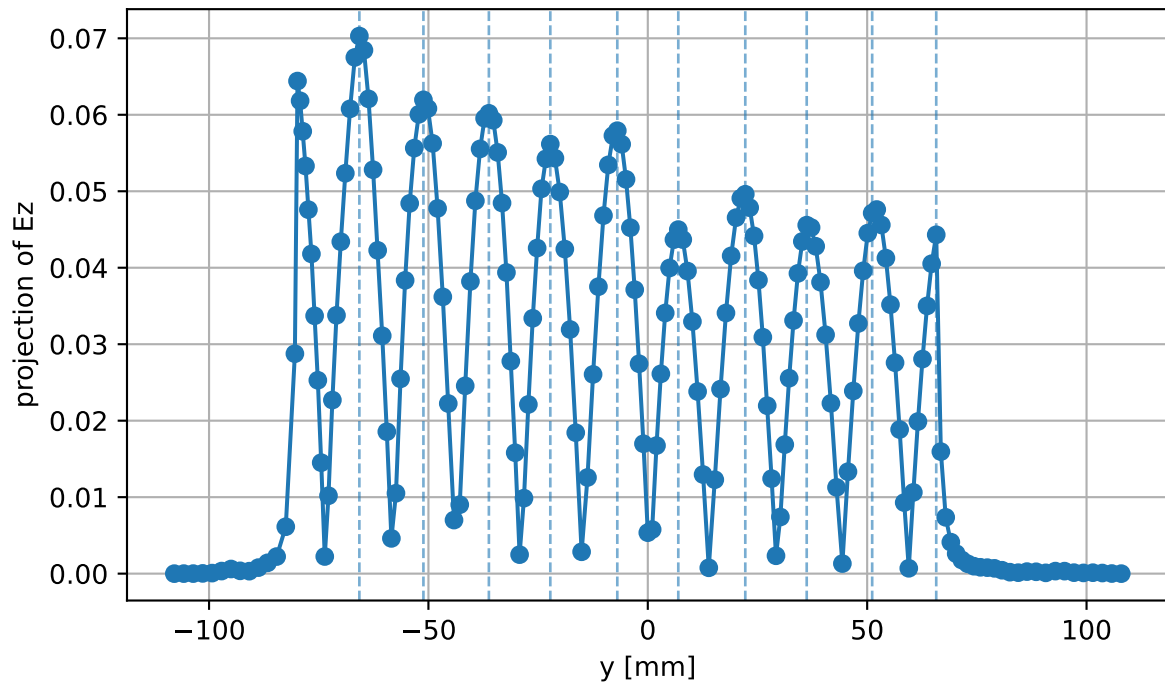
- S11 (Patch W=22.70 mm, L=13.90 mm)
- 5.80 GHz, S11=0.021-0.050j, R=51.92-5.21j, Gnorm=0.95+0.10j
- 5.79 GHz, S11=0.043-0.015j, R2=54.45-1.69j, G2norm=0.92+0.03j



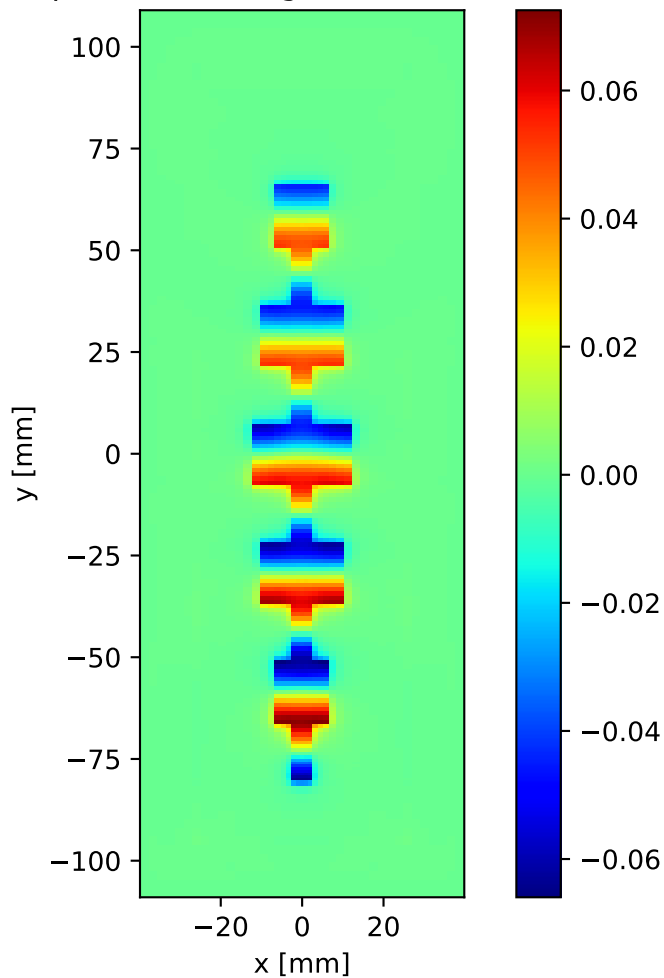
$|E_z|$ slice at $z = 0.76$ mm (idx 26)



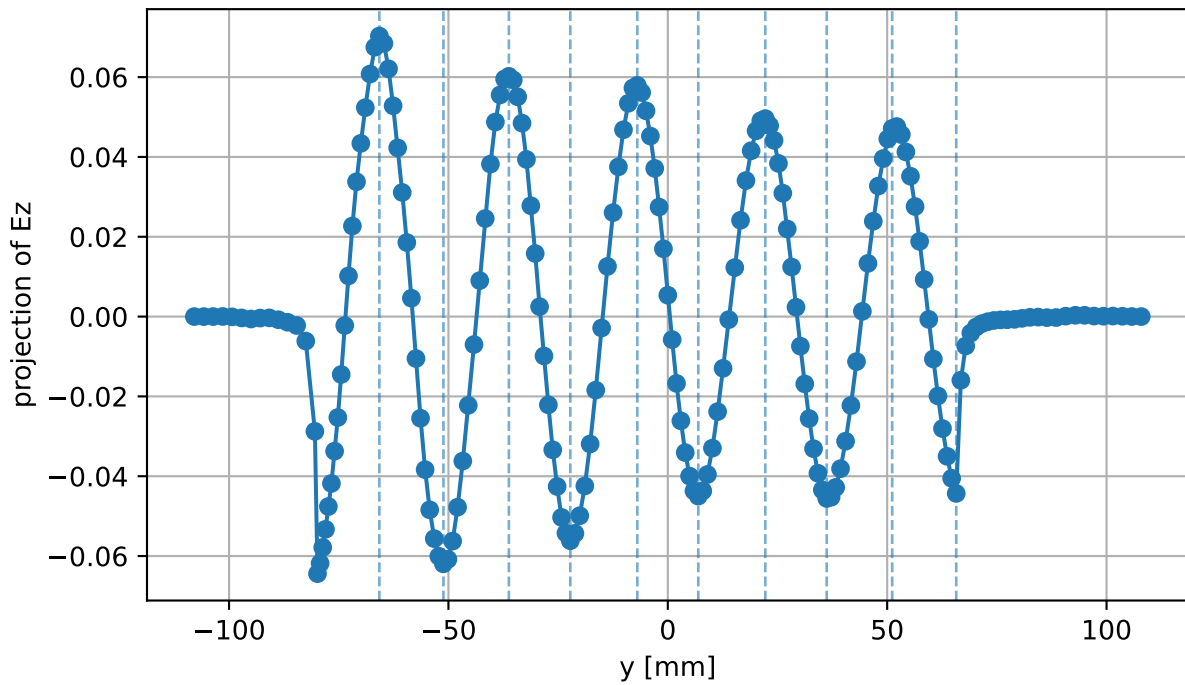
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=21$, $z=26$)



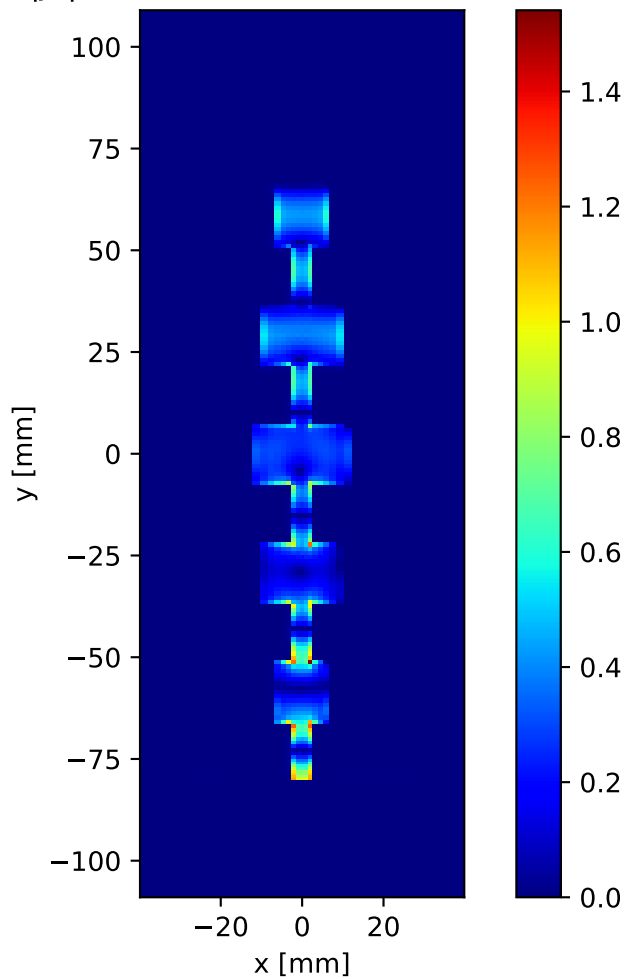
Ez snapshot (dphi=180.00deg) slice at $z = 0.76$ mm (idx 26)



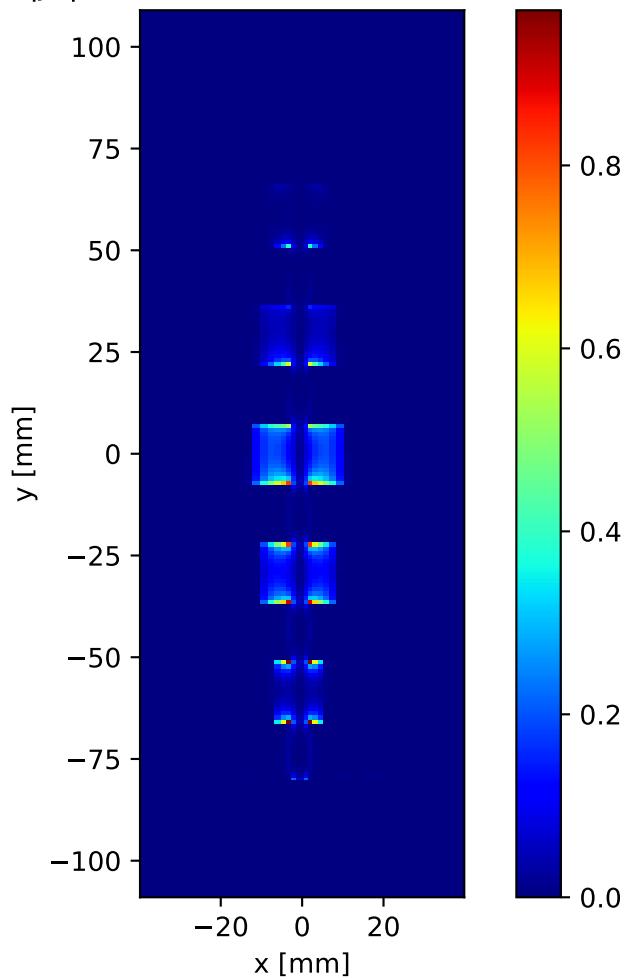
Ez snapshot (dphi=180.00deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=21, z=26)



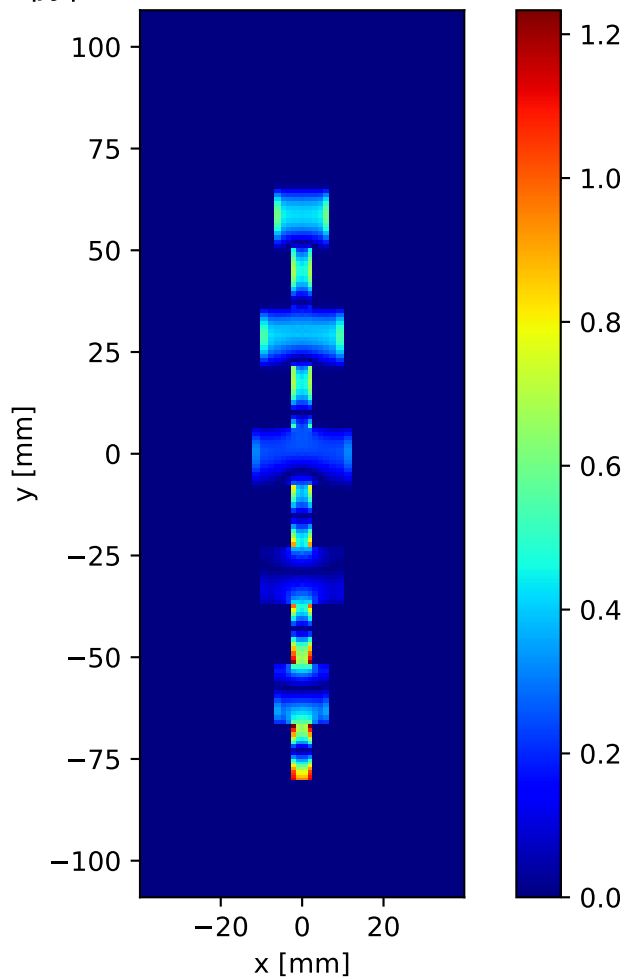
$|J_s|$ slice at $z = 1.524$ mm (idx 28)



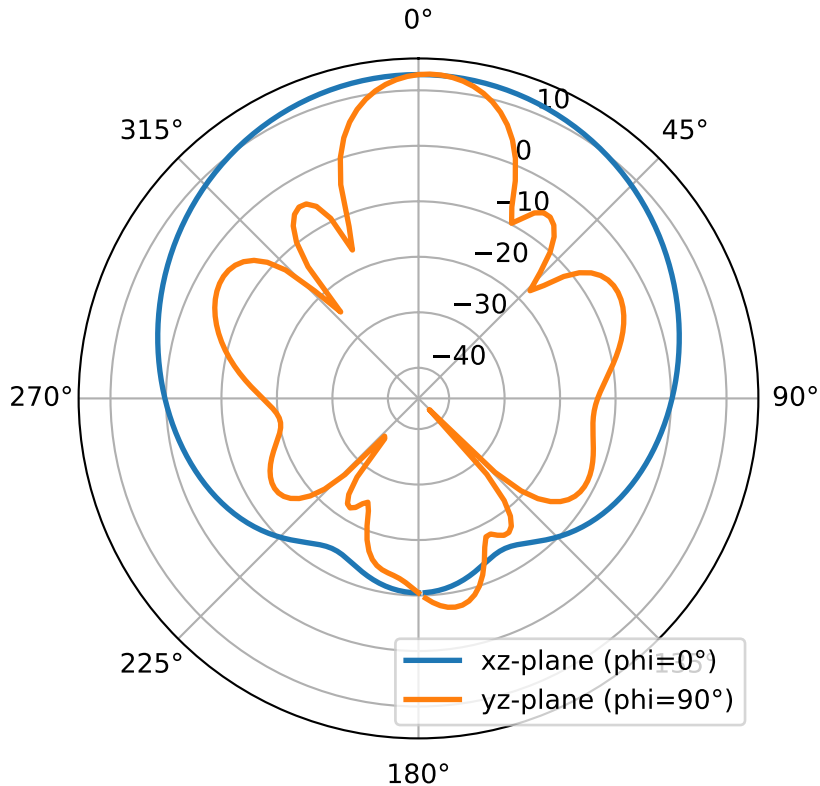
$|J_x|$ slice at $z = 1.524$ mm (idx 28)



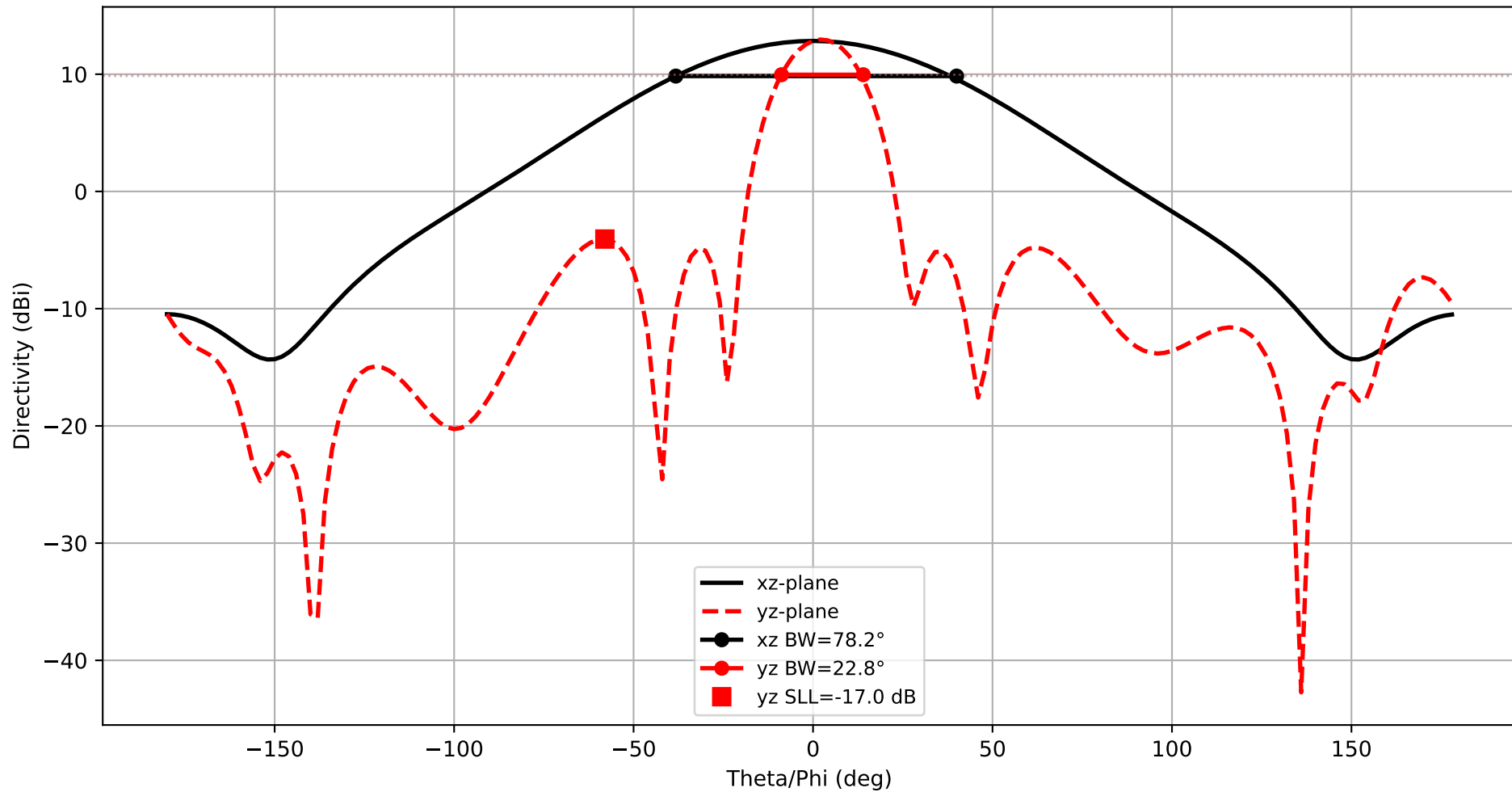
$|j_y|$ slice at $z = 1.524$ mm (idx 28)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 12.96 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 12.96 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=78.2°
yz-plane: HPBW=22.8°



3D Directivity Pattern
 $f = 5.800$ GHz, $D_{\max} = 12.92$ dBi

