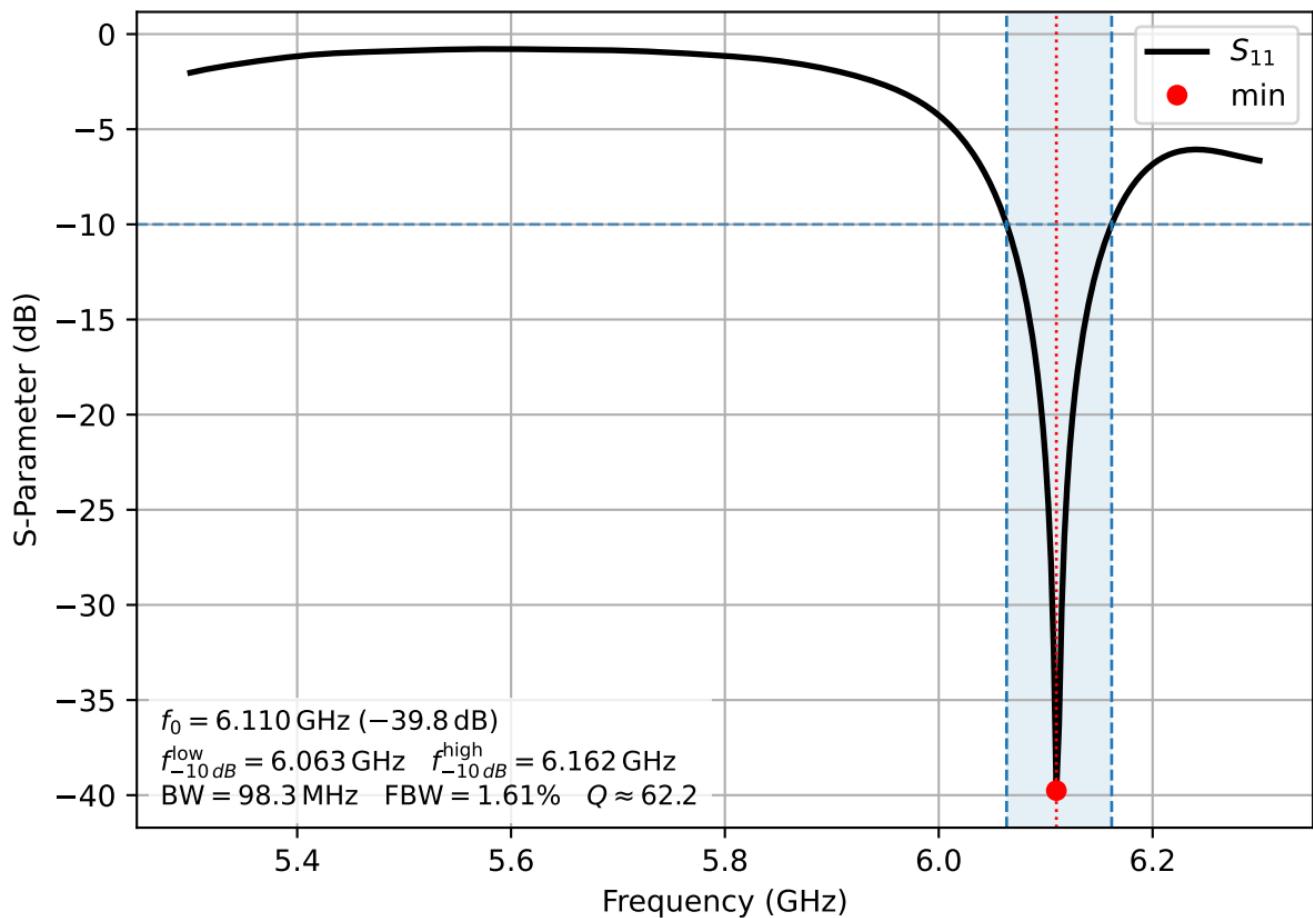
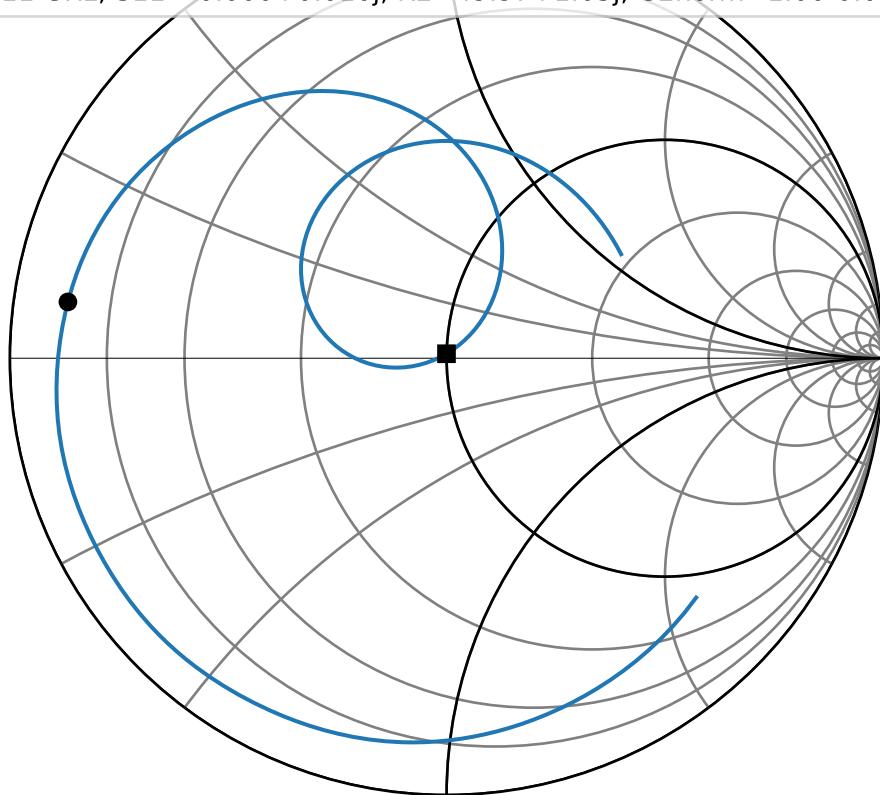


Reflection Coefficient S_{11}

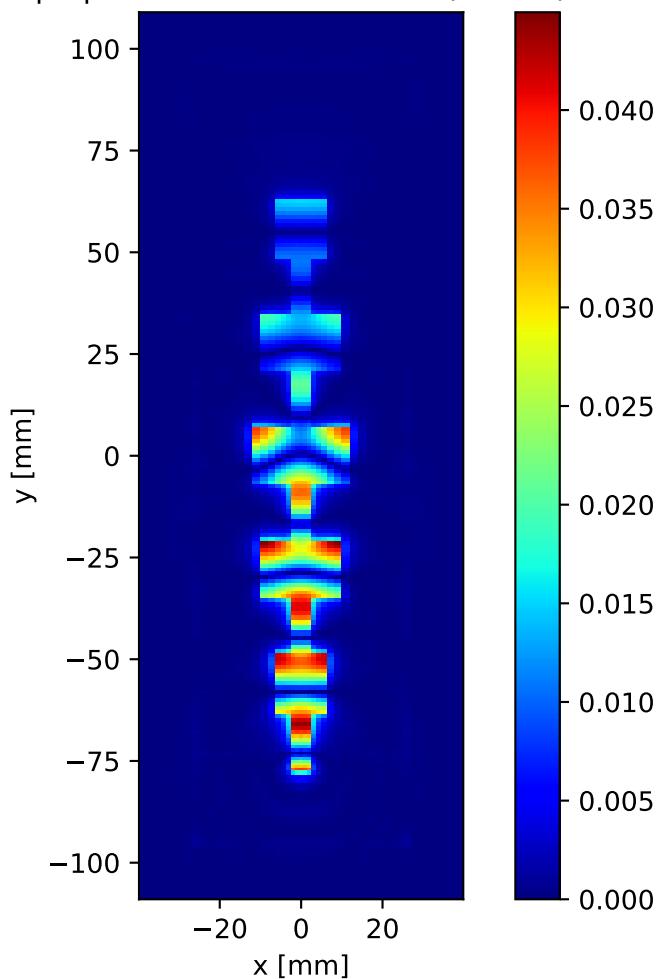


Smith Chart

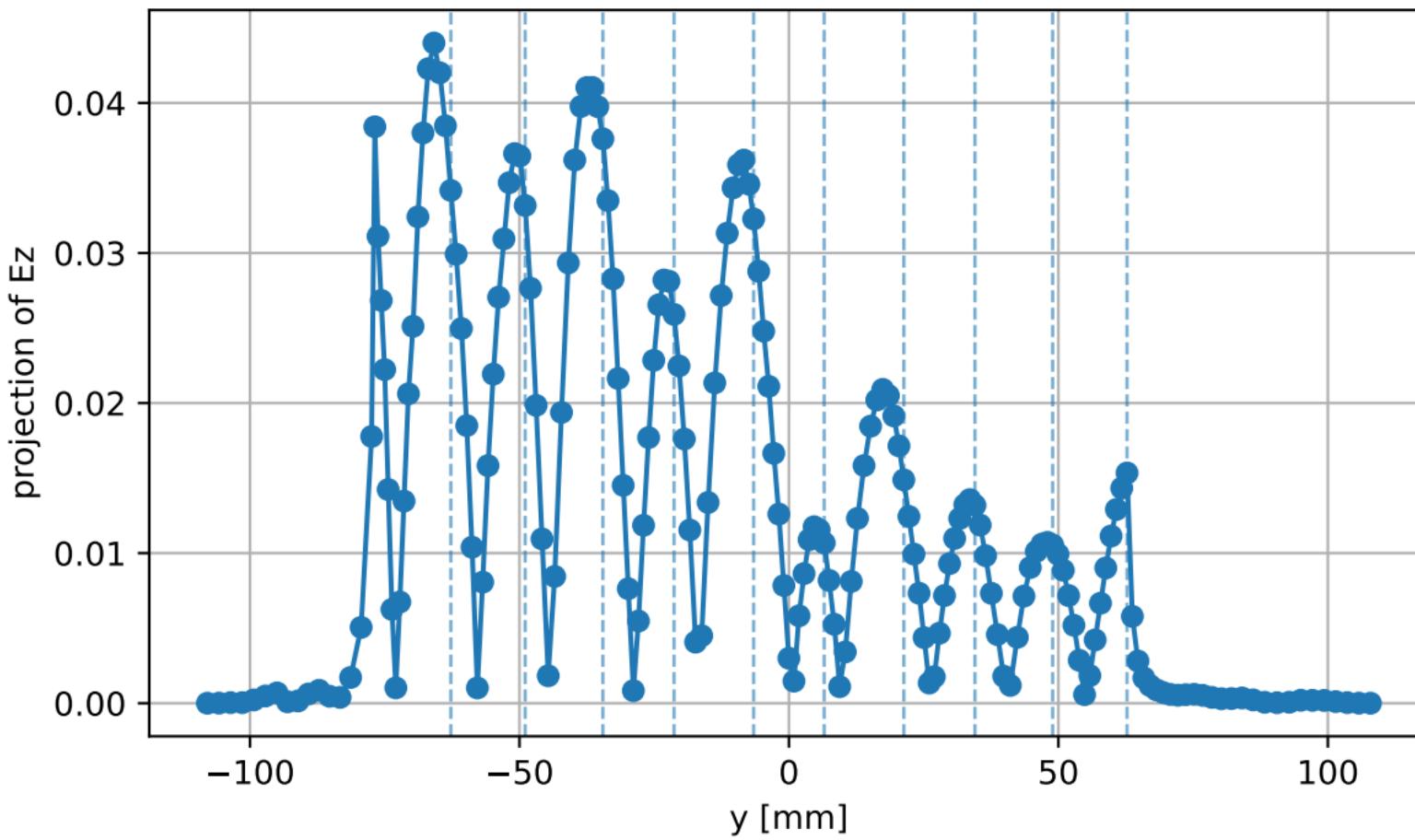
- S11 (Patch W=22.00 mm, L=13.10 mm)
- 5.80 GHz, $S_{11} = -0.867 + 0.129j$, $R = 3.31 + 3.68j$, $G_{norm} = 6.75 - 7.51j$
- 6.11 GHz, $S_{11} = -0.000 + 0.010j$, $R = 49.97 + 1.03j$, $G_{2norm} = 1.00 - 0.02j$



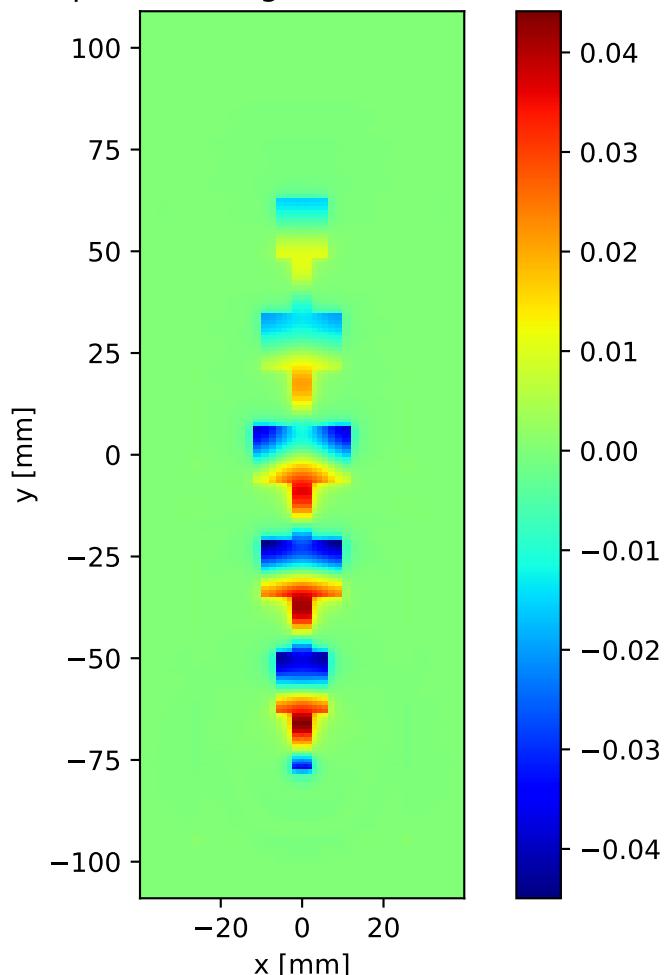
$|E_z|$ slice at $z = 0.76$ mm (idx 26)



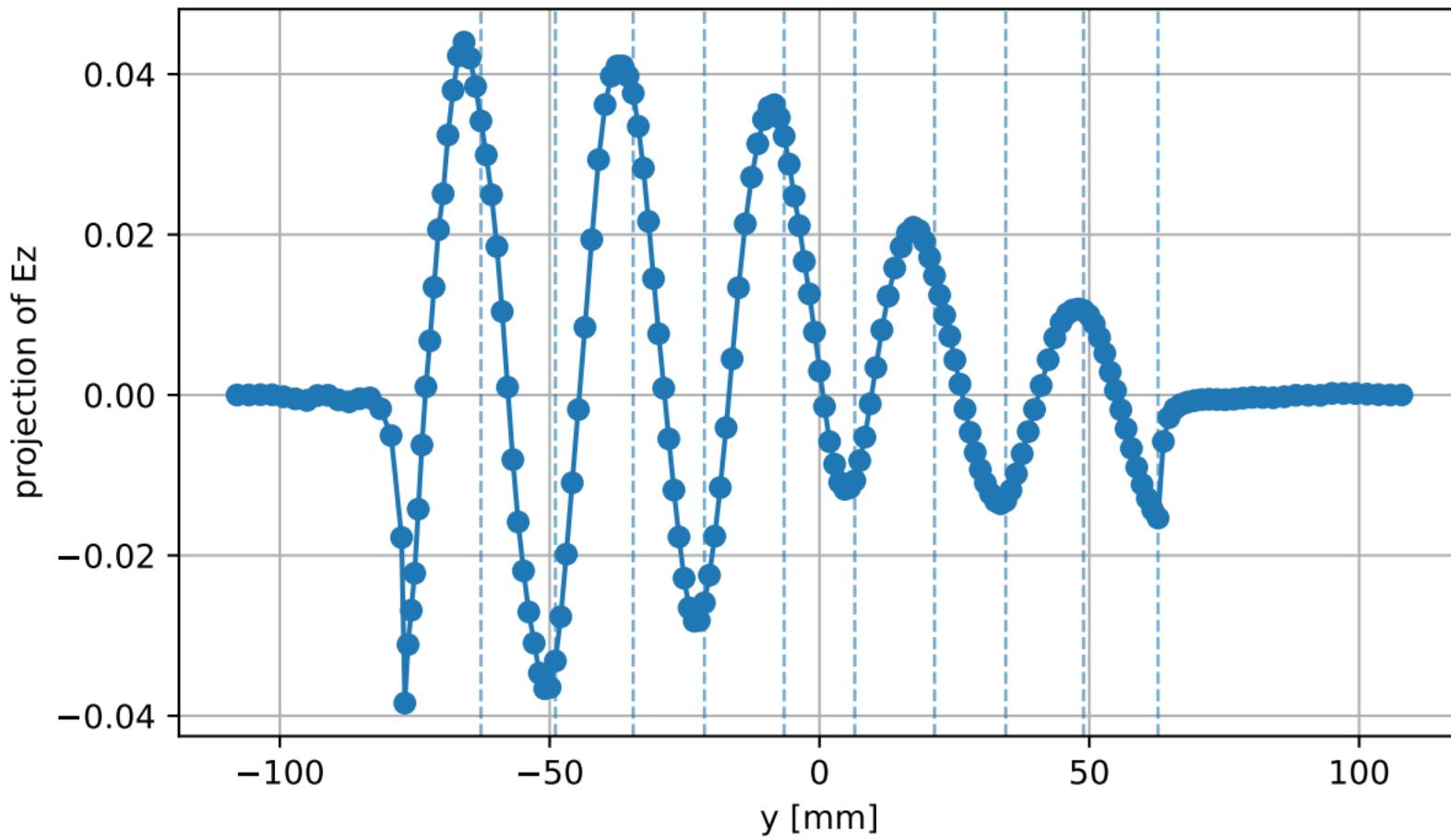
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=21$, $z=26$)



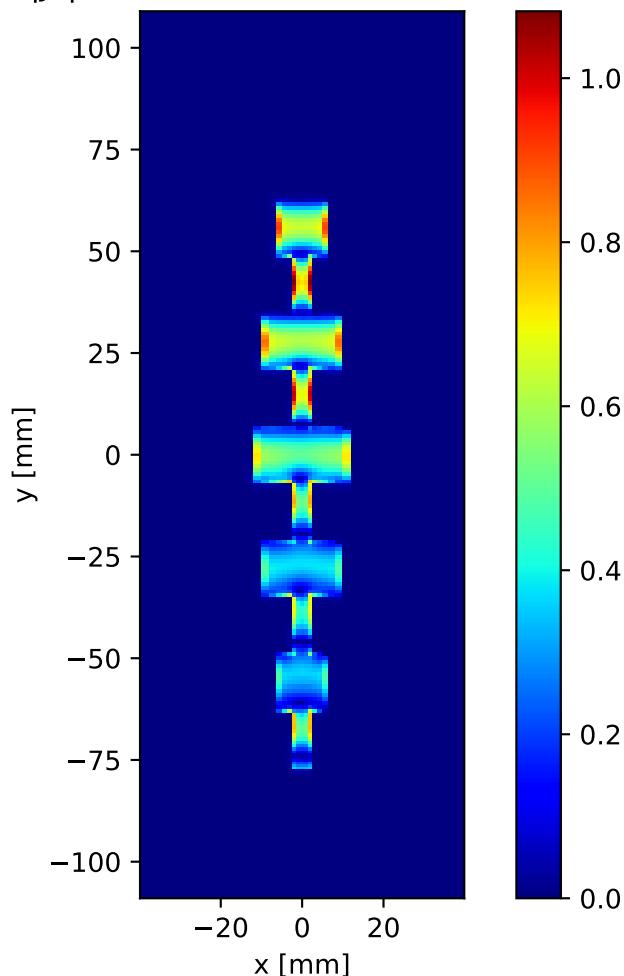
Ez snapshot ($d\phi=0.46\text{deg}$) slice at $z = 0.76 \text{ mm}$ (idx 26)



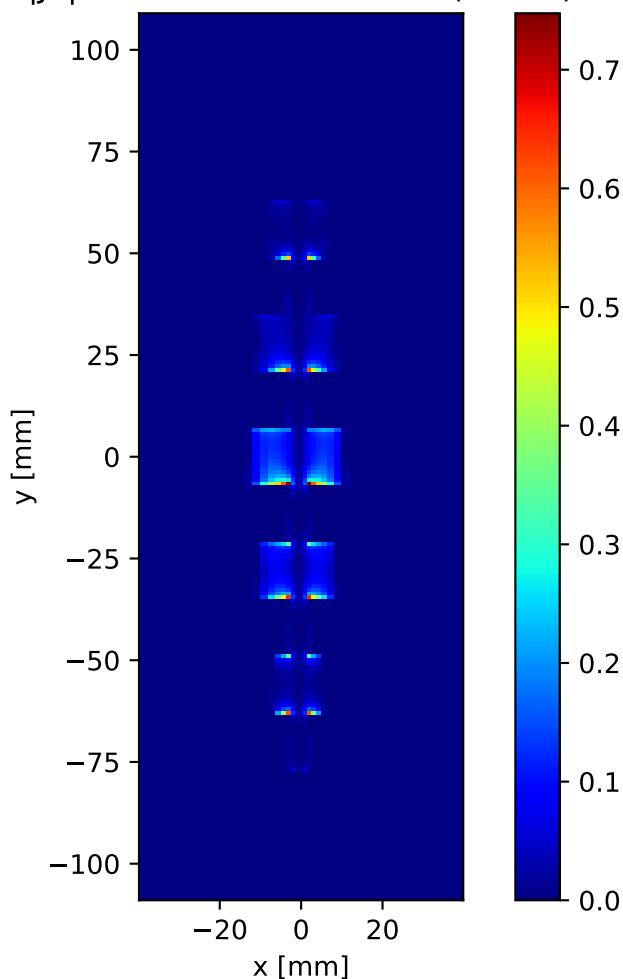
Ez snapshot (dphi=0.46deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=21, z=26)



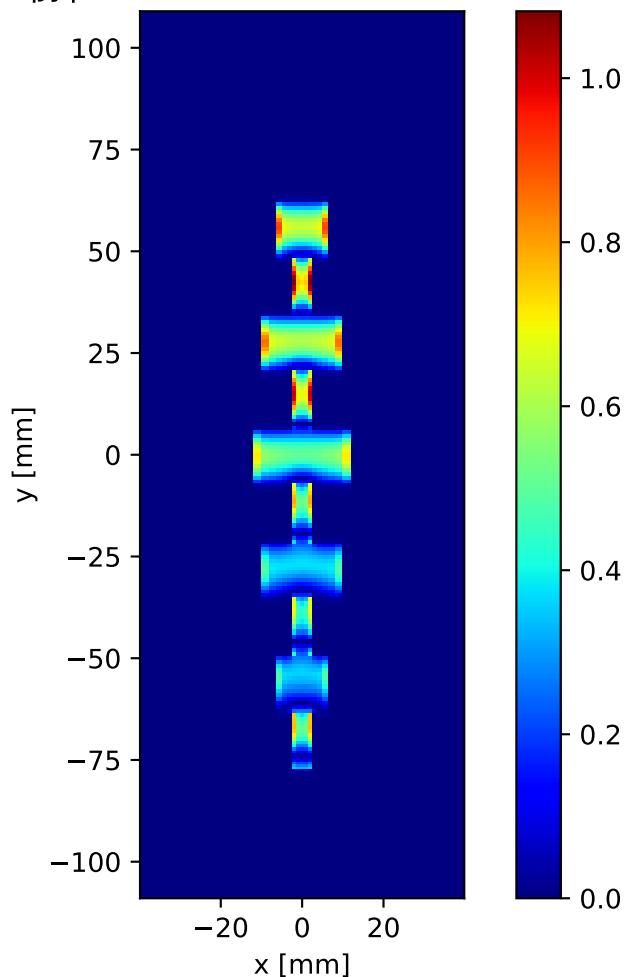
$|J_s|$ slice at $z = 1.524$ mm (idx 28)



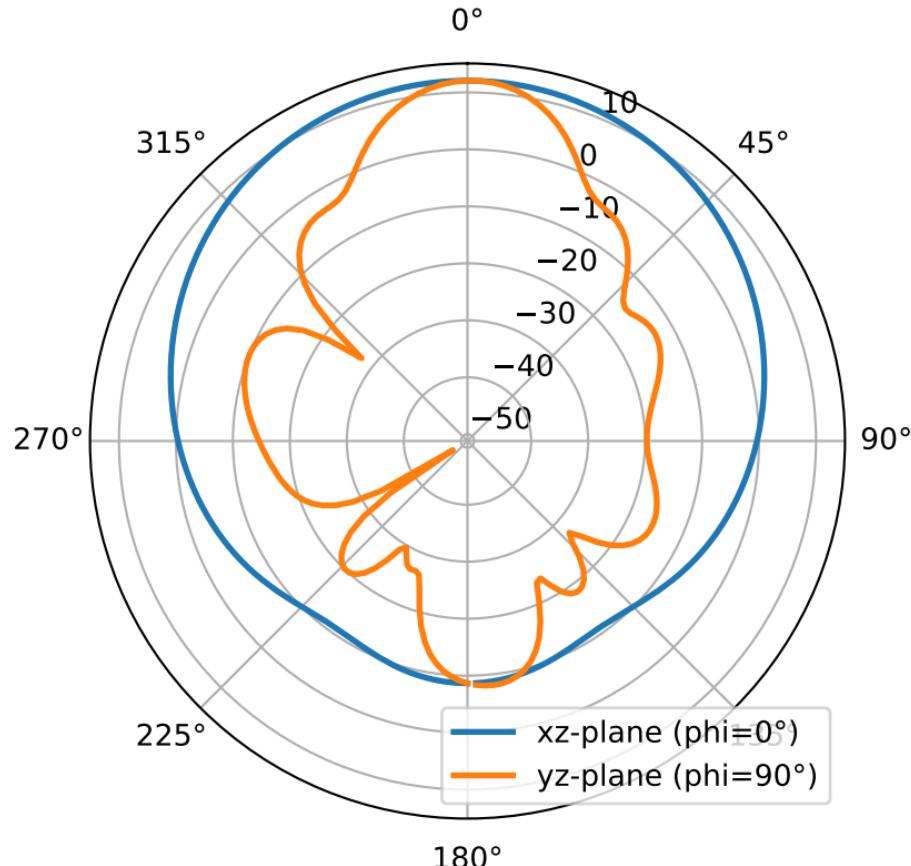
$|J_x|$ slice at $z = 1.524$ mm (idx 28)



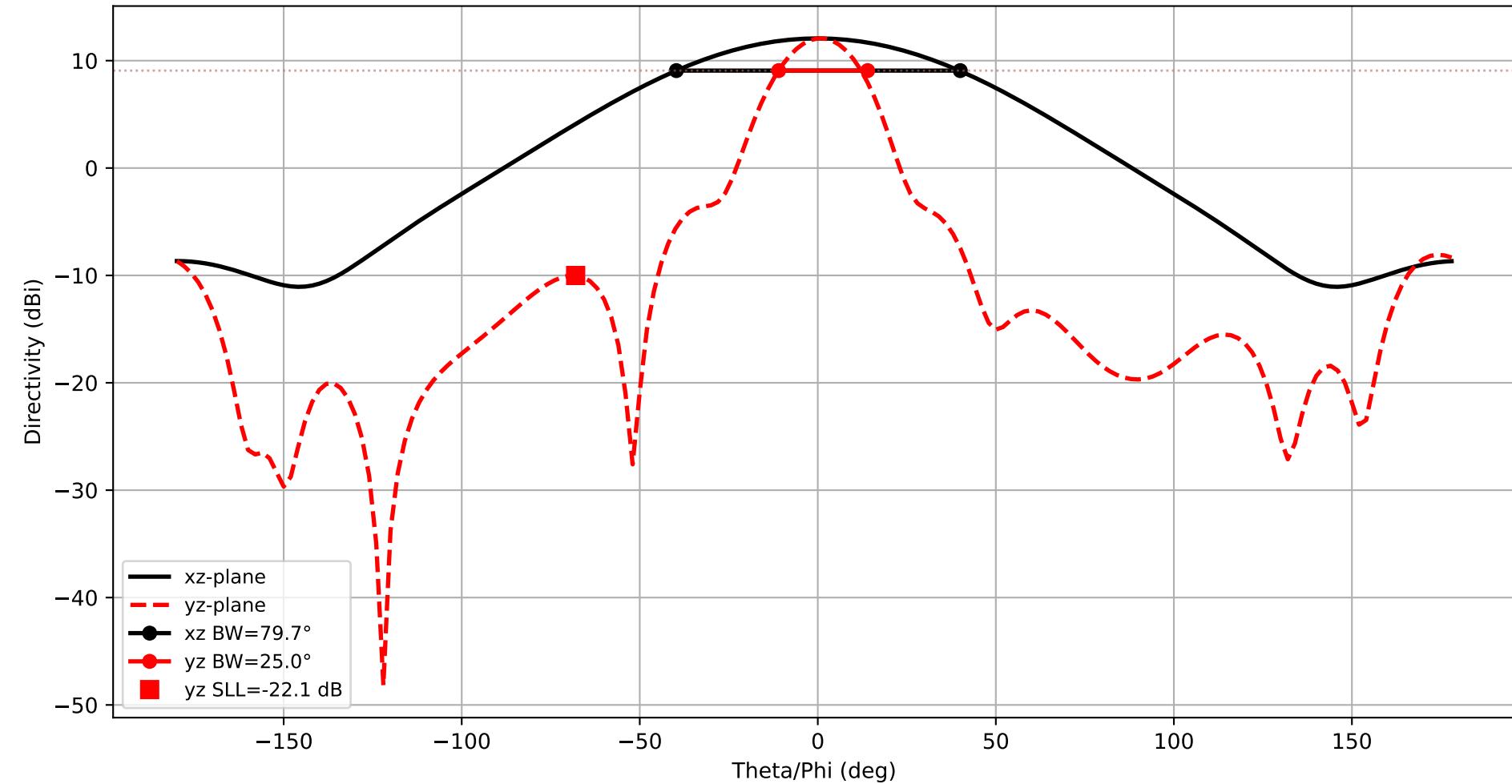
$|j_y|$ slice at $z = 1.524$ mm (idx 28)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 12.07 \text{ dB}$, nf2ff $D_{\max} = 12.07 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=79.7°
yz-plane: HPBW=25.0°



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\max} = 12.07 \text{ dBi}$

