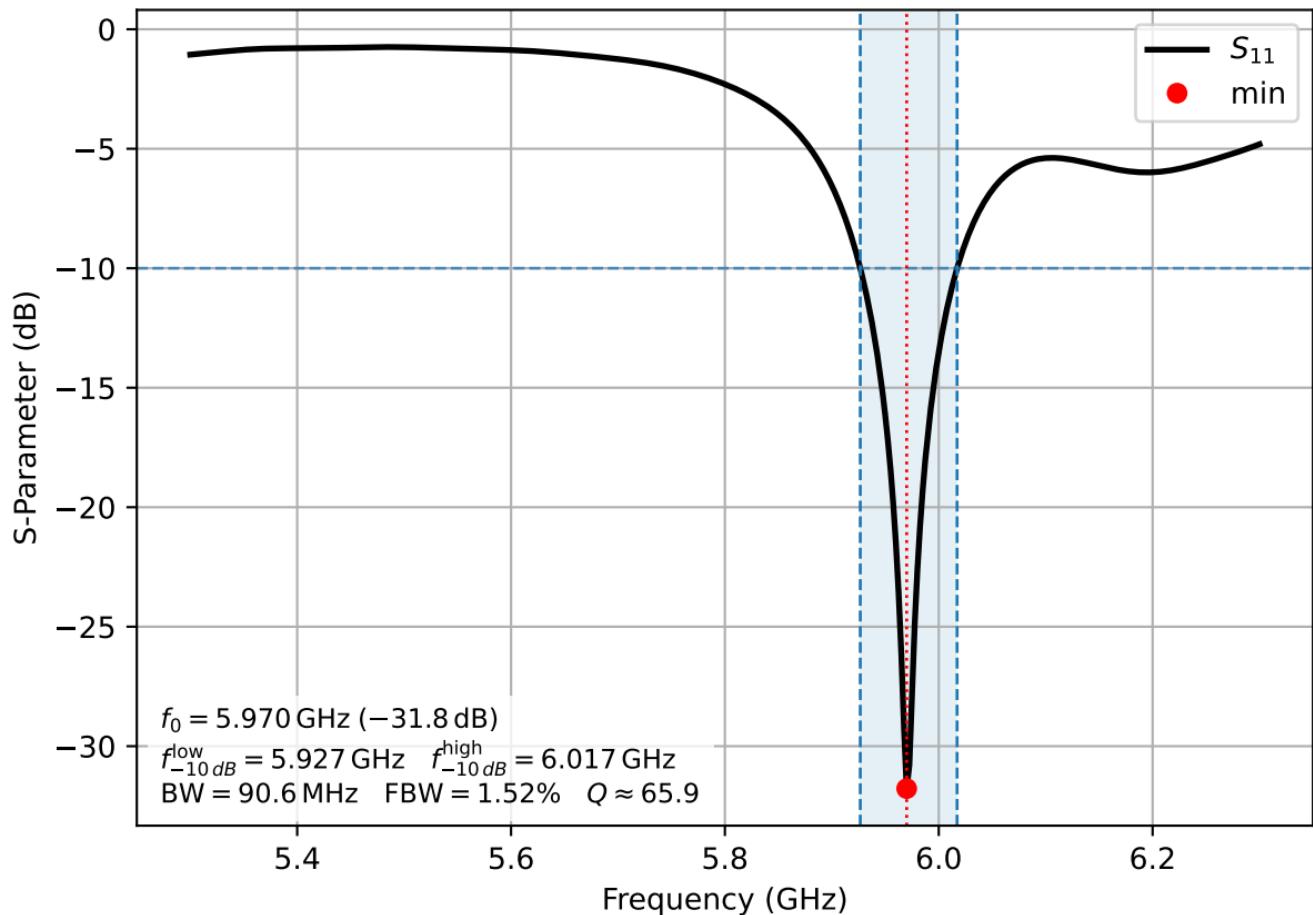
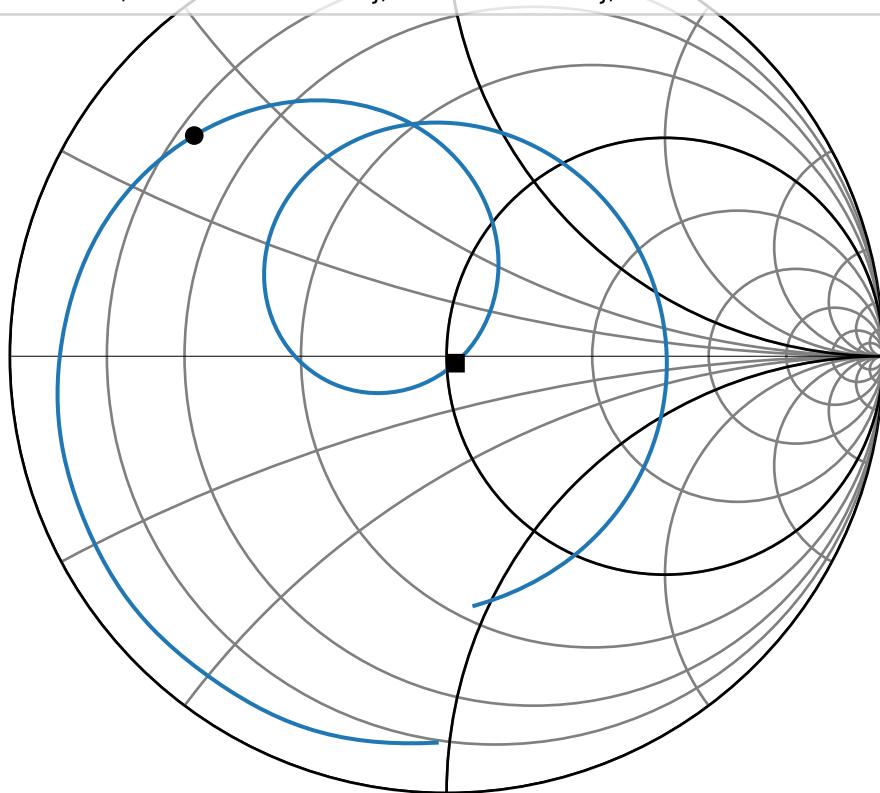


Reflection Coefficient S_{11}

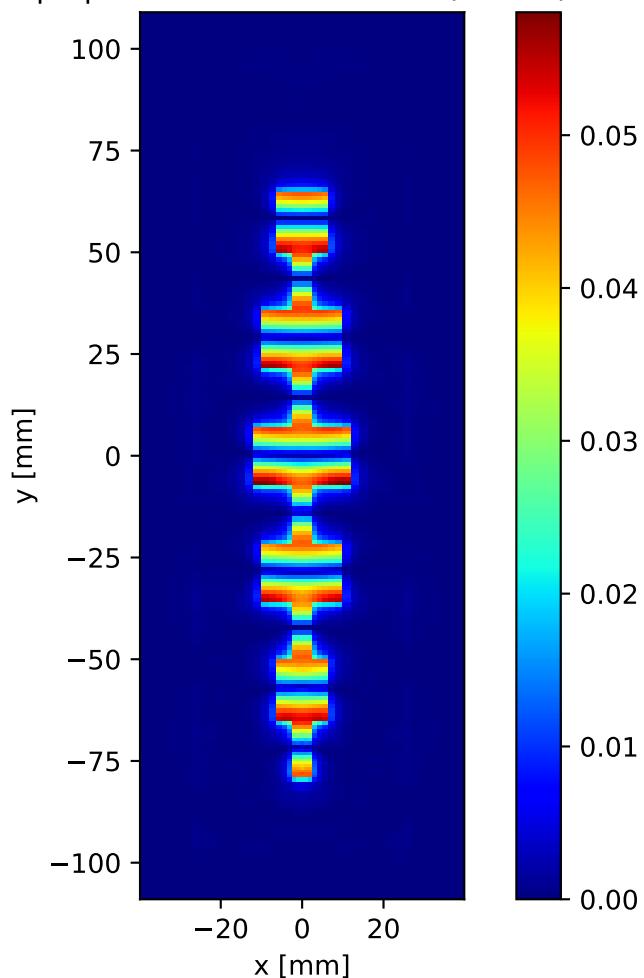


Smith Chart

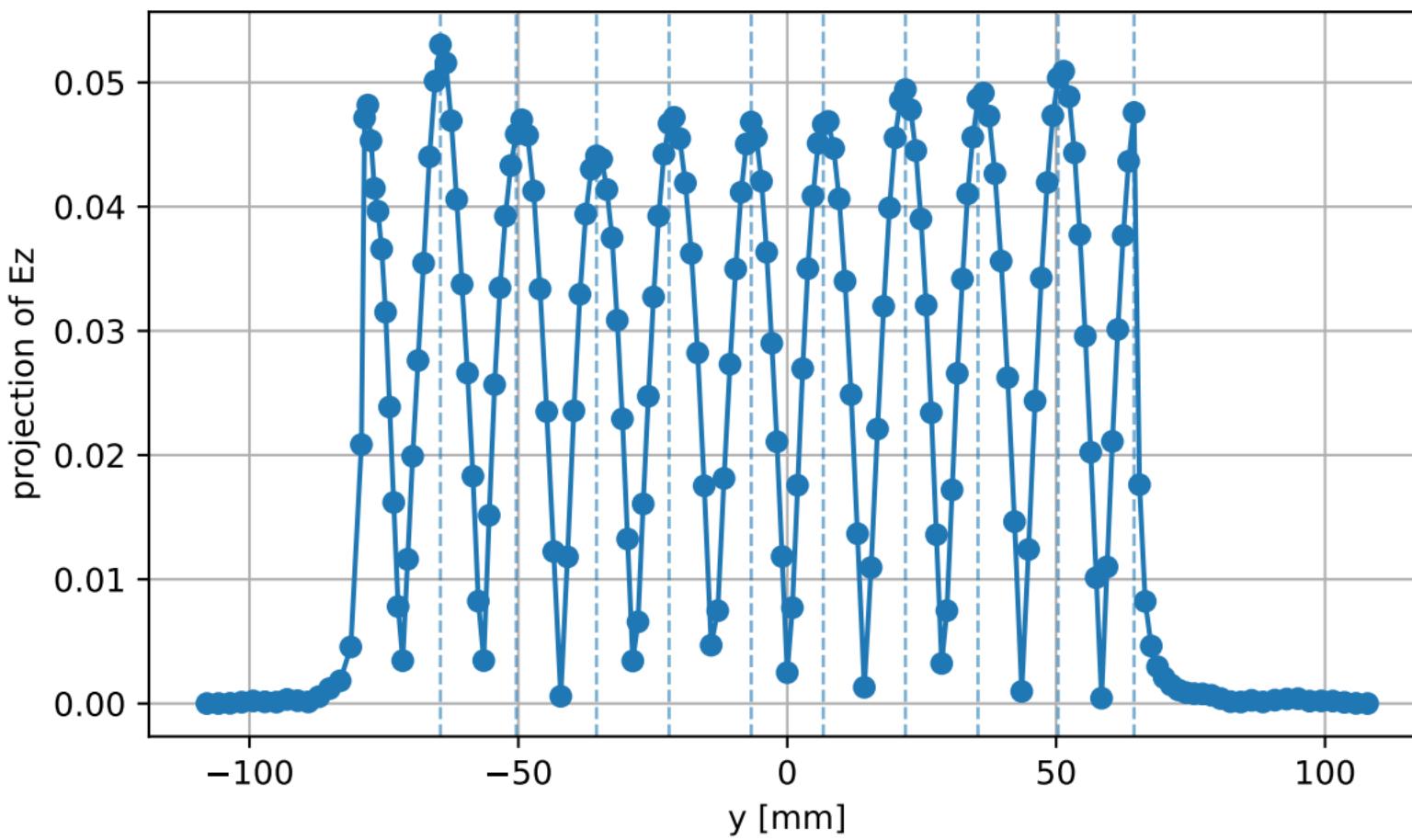
- S11 (Patch W=22.00 mm, L=13.40 mm)
- 5.80 GHz, $S_{11} = -0.578 + 0.505j$, $R = 7.49 + 18.41j$, $G_{norm} = 0.95 - 2.33j$
- 5.97 GHz, $S_{11} = 0.020 - 0.016j$, $R = 52.05 - 1.65j$, $G_{2norm} = 0.96 + 0.03j$



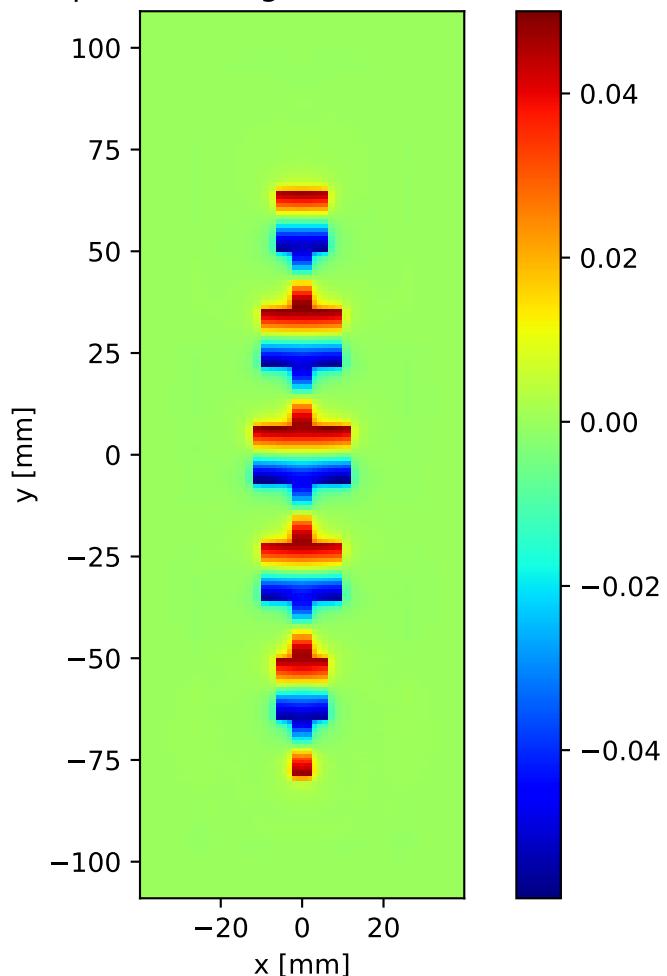
$|E_z|$ slice at $z = 0.76$ mm (idx 26)



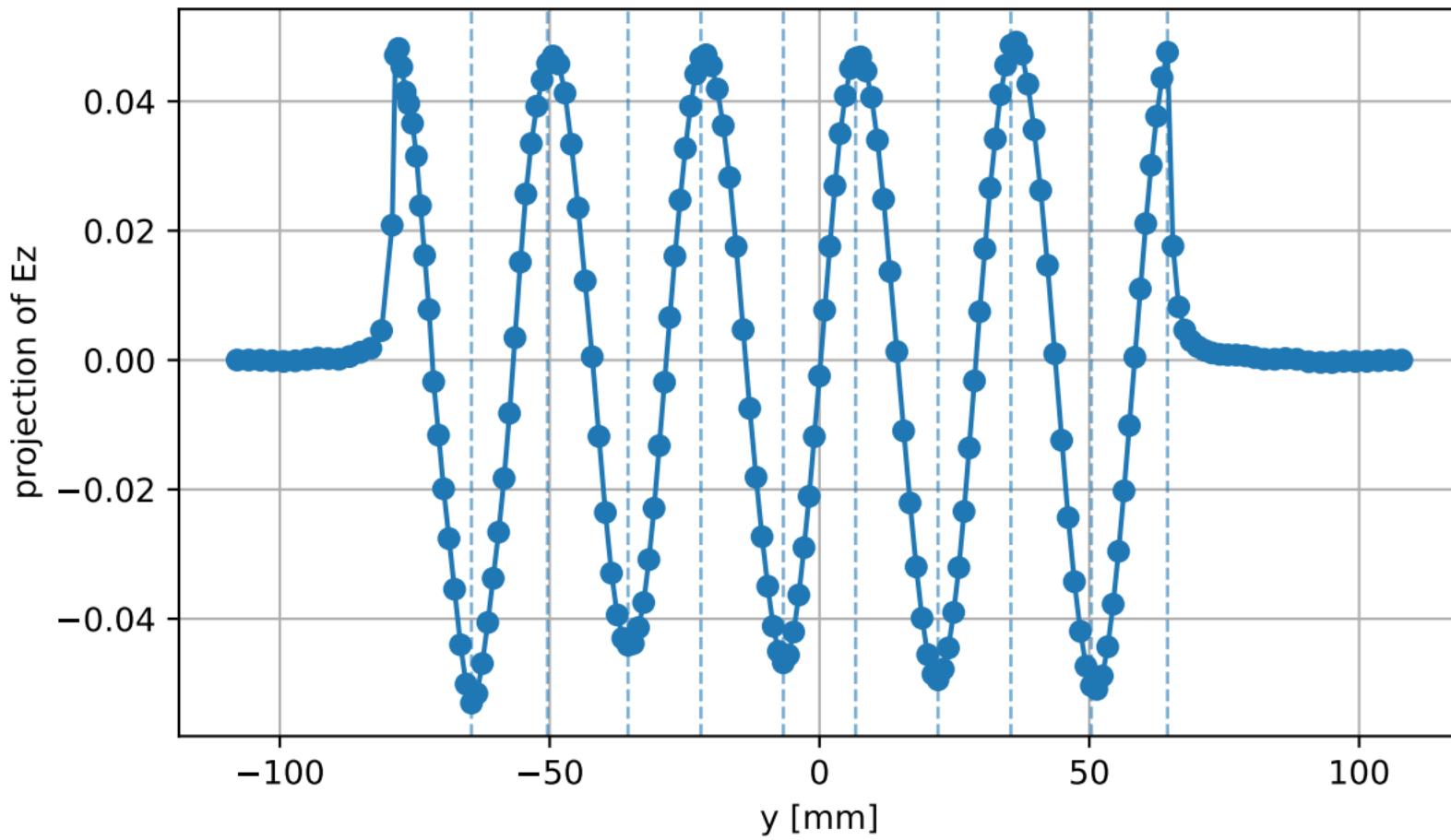
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=21$, $z=26$)



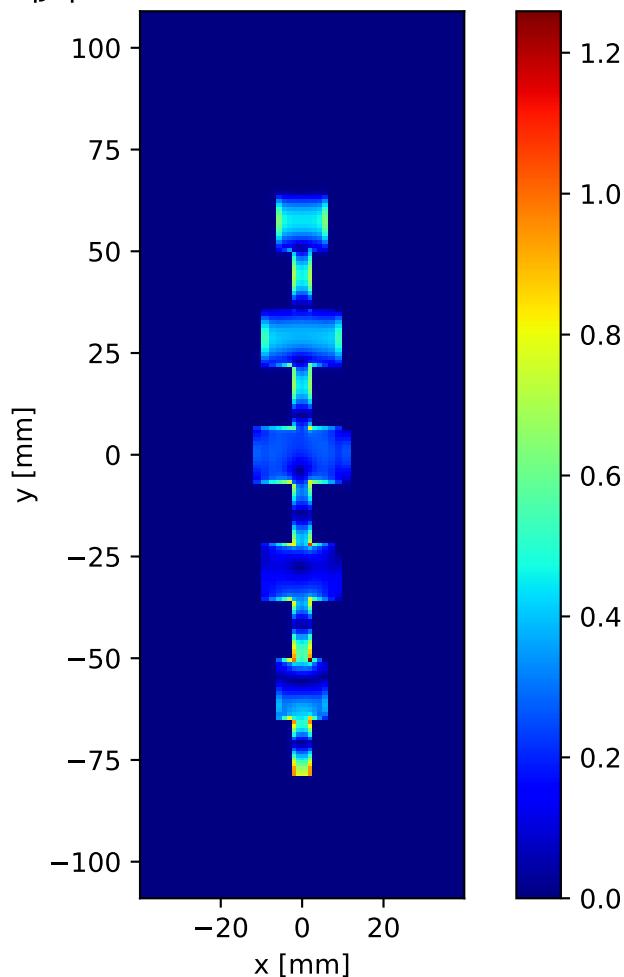
Ez snapshot ($d\phi=0.08\text{deg}$) slice at $z = 0.76 \text{ mm}$ (idx 26)



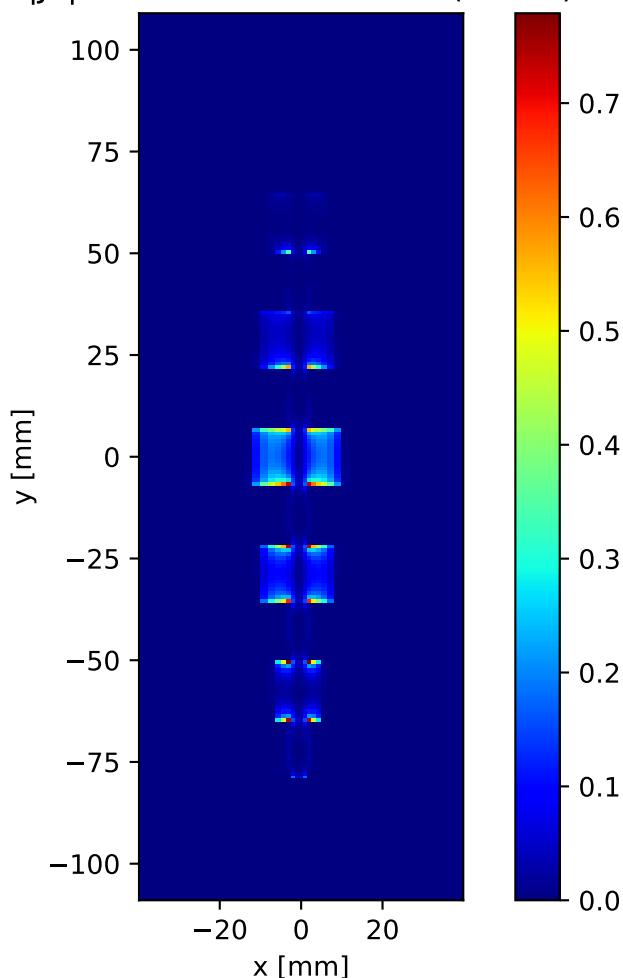
Ez snapshot ($d\phi=0.08\text{deg}$) line cut along Y at $x=0.00 \text{ mm}$, $z=0.76 \text{ mm}$
(idx $x=21$, $z=26$)



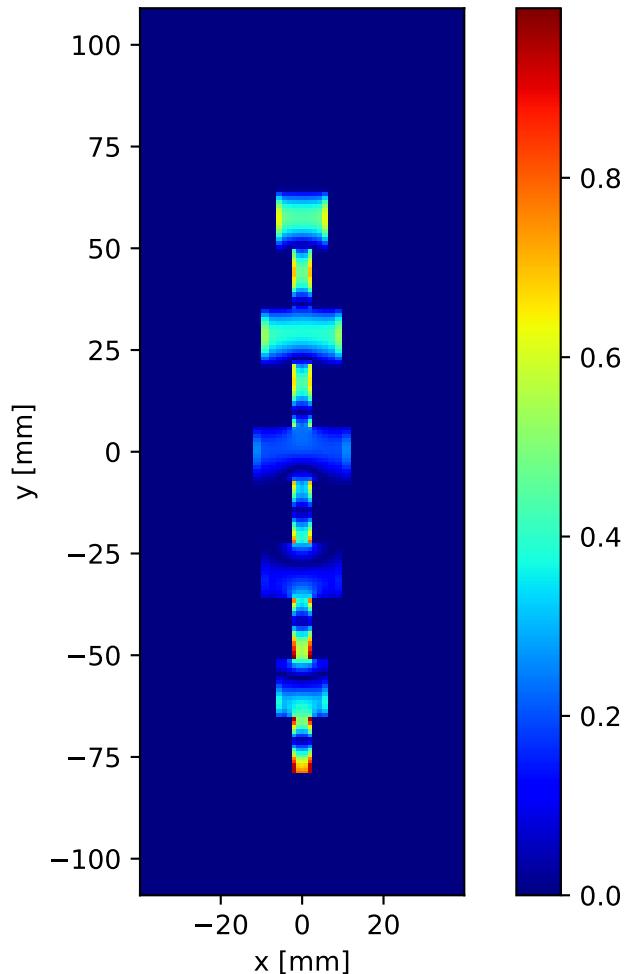
$|J_s|$ slice at $z = 1.524$ mm (idx 28)



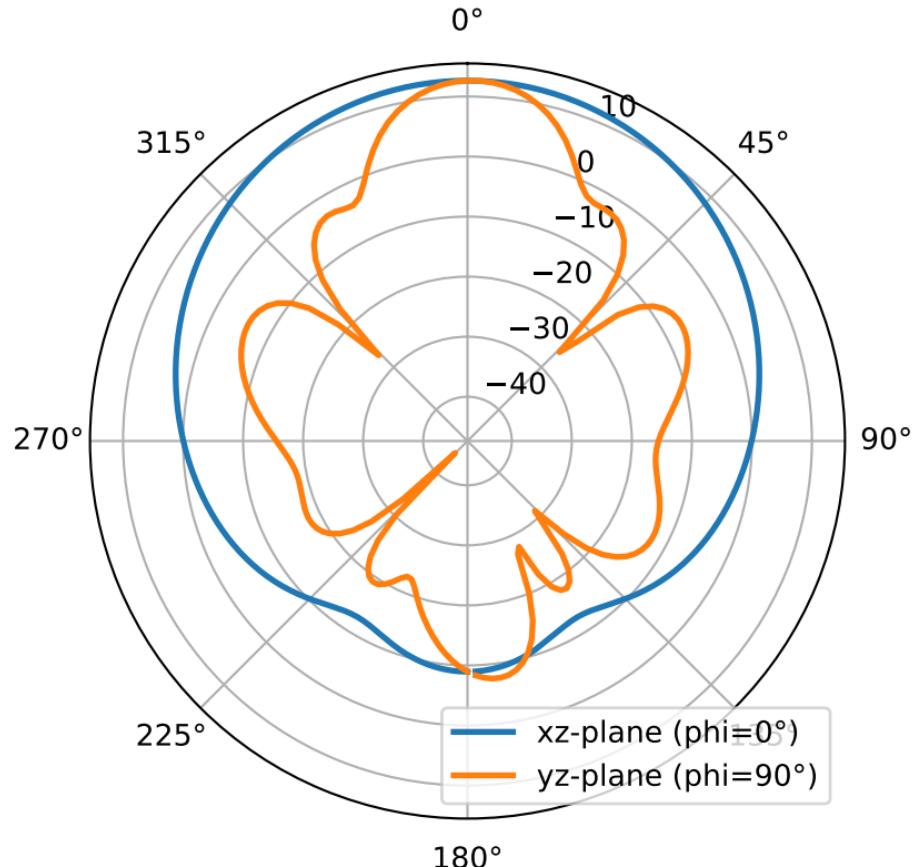
$|J_x|$ slice at $z = 1.524$ mm (idx 28)



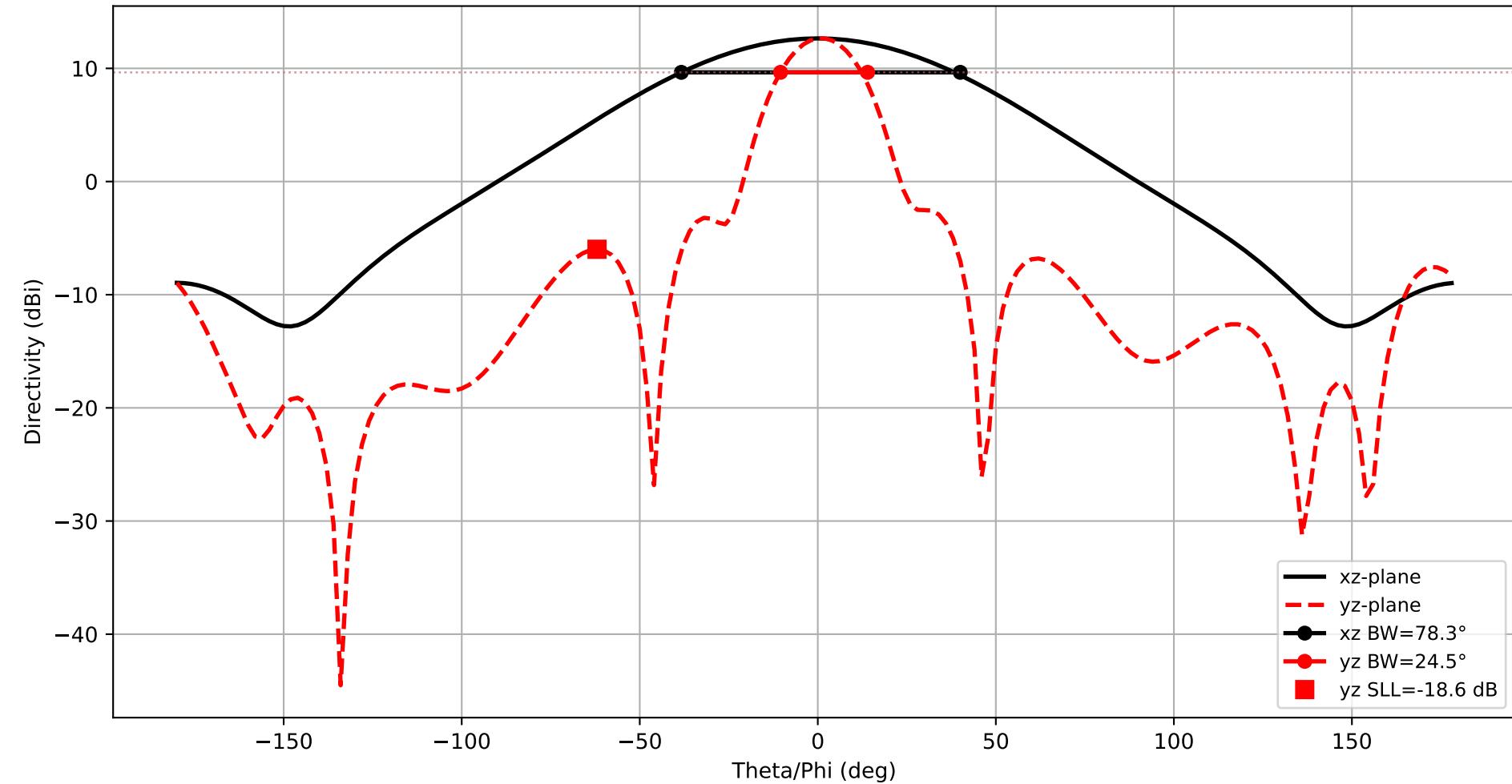
$|j_y|$ slice at $z = 1.524$ mm (idx 28)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 12.65 \text{ dB}$, nf2ff $D_{\max} = 12.65 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=78.3°
yz-plane: HPBW=24.5°



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\max} = 12.65 \text{ dBi}$

