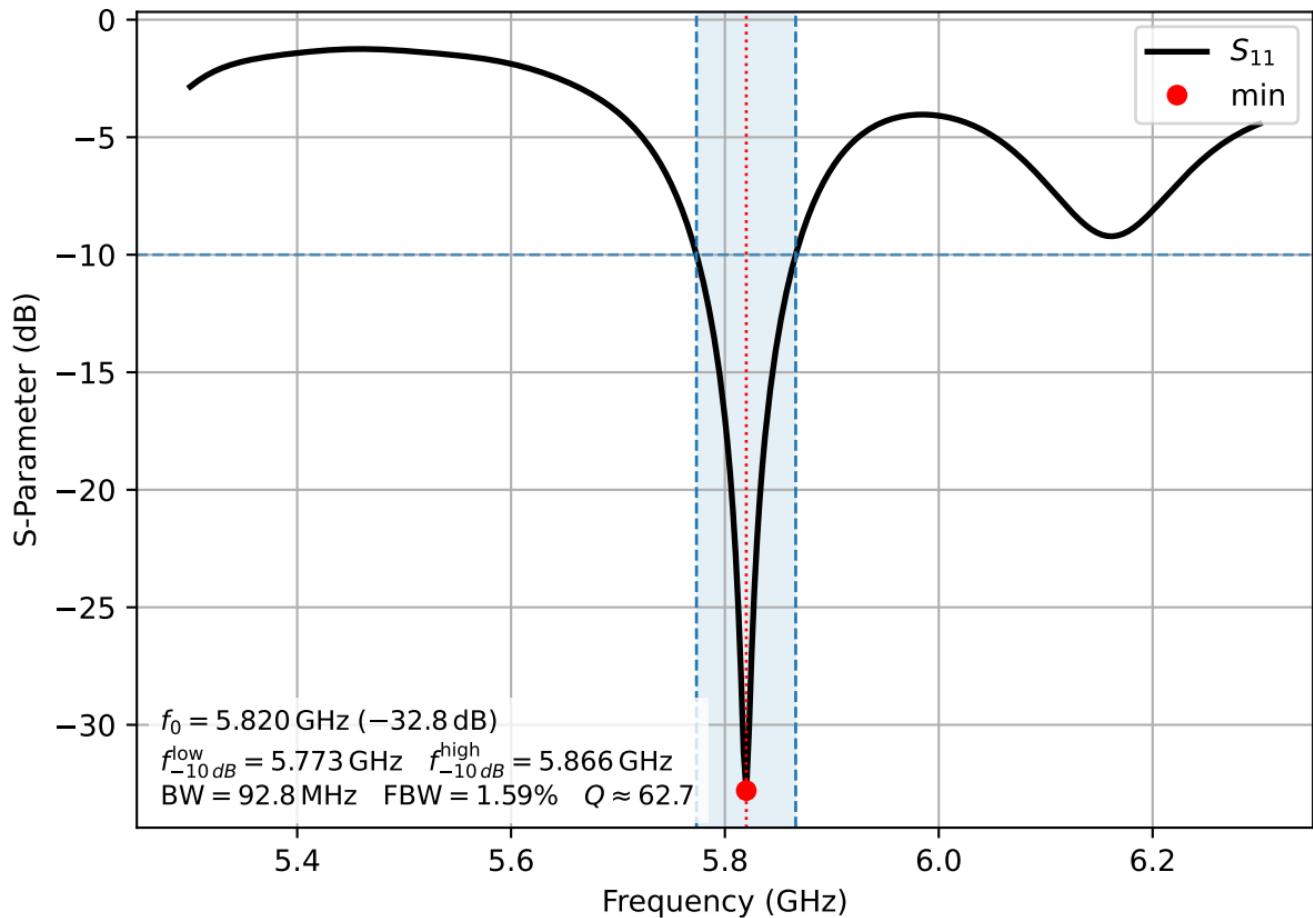
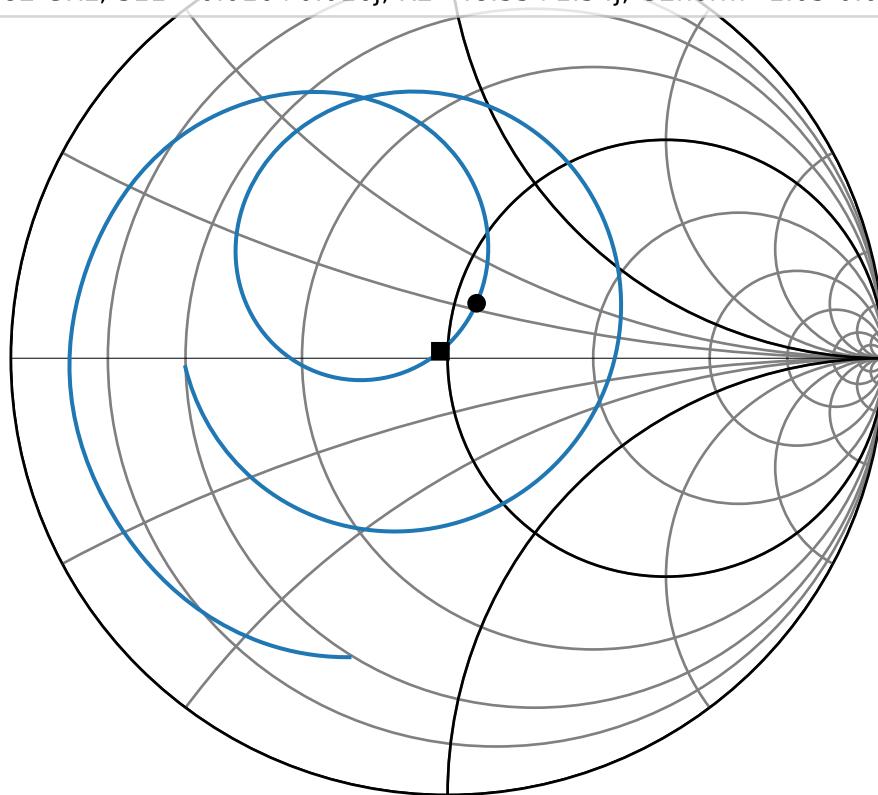


Reflection Coefficient S_{11}

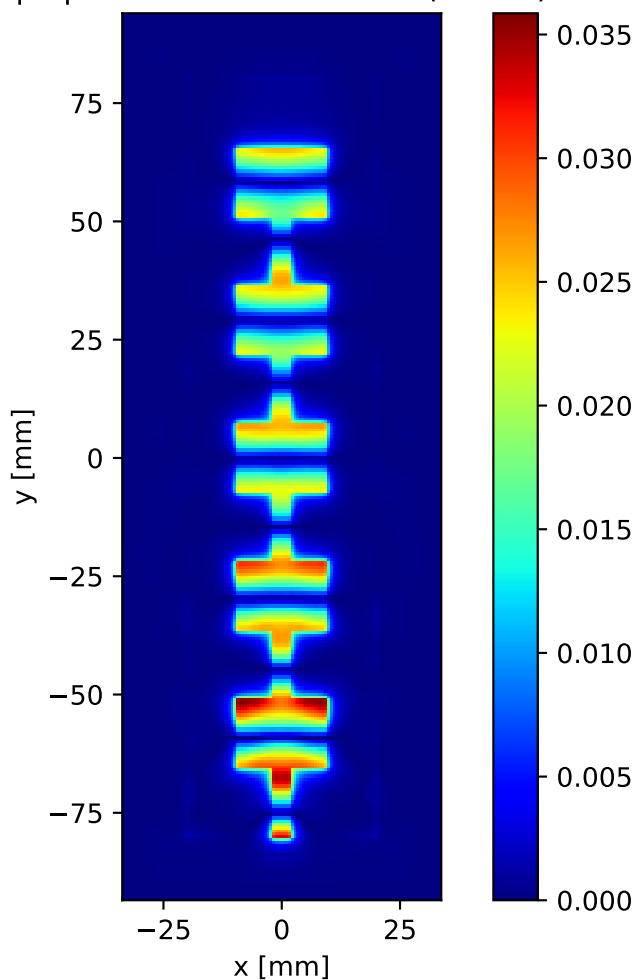


Smith Chart

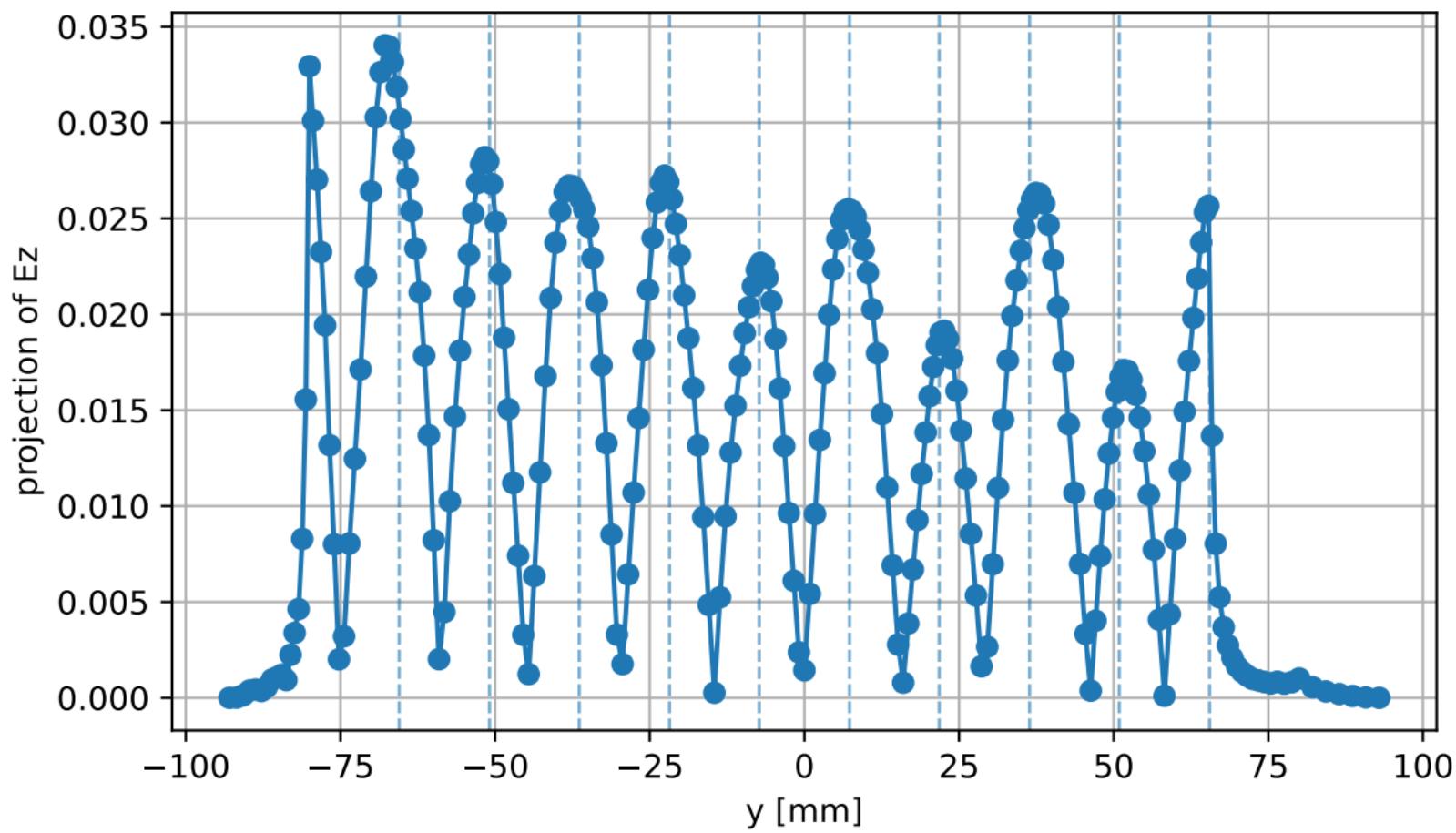
- S11 (Patch W=19.00 mm, L=14.60 mm)
- 5.80 GHz, $S_{11}=0.066+0.126j$, $R=55.21+14.18j$, $G_{norm}=0.85-0.22j$
- 5.82 GHz, $S_{11}=-0.016+0.016j$, $R=48.35+1.54j$, $G2_{norm}=1.03-0.03j$



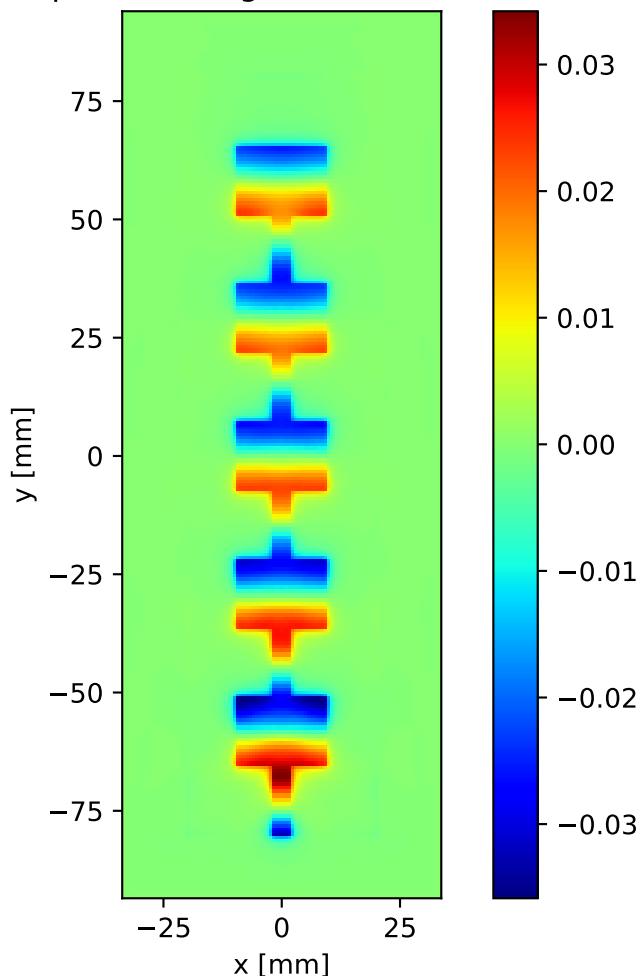
$|E_z|$ slice at $z = 0.76$ mm (idx 26)



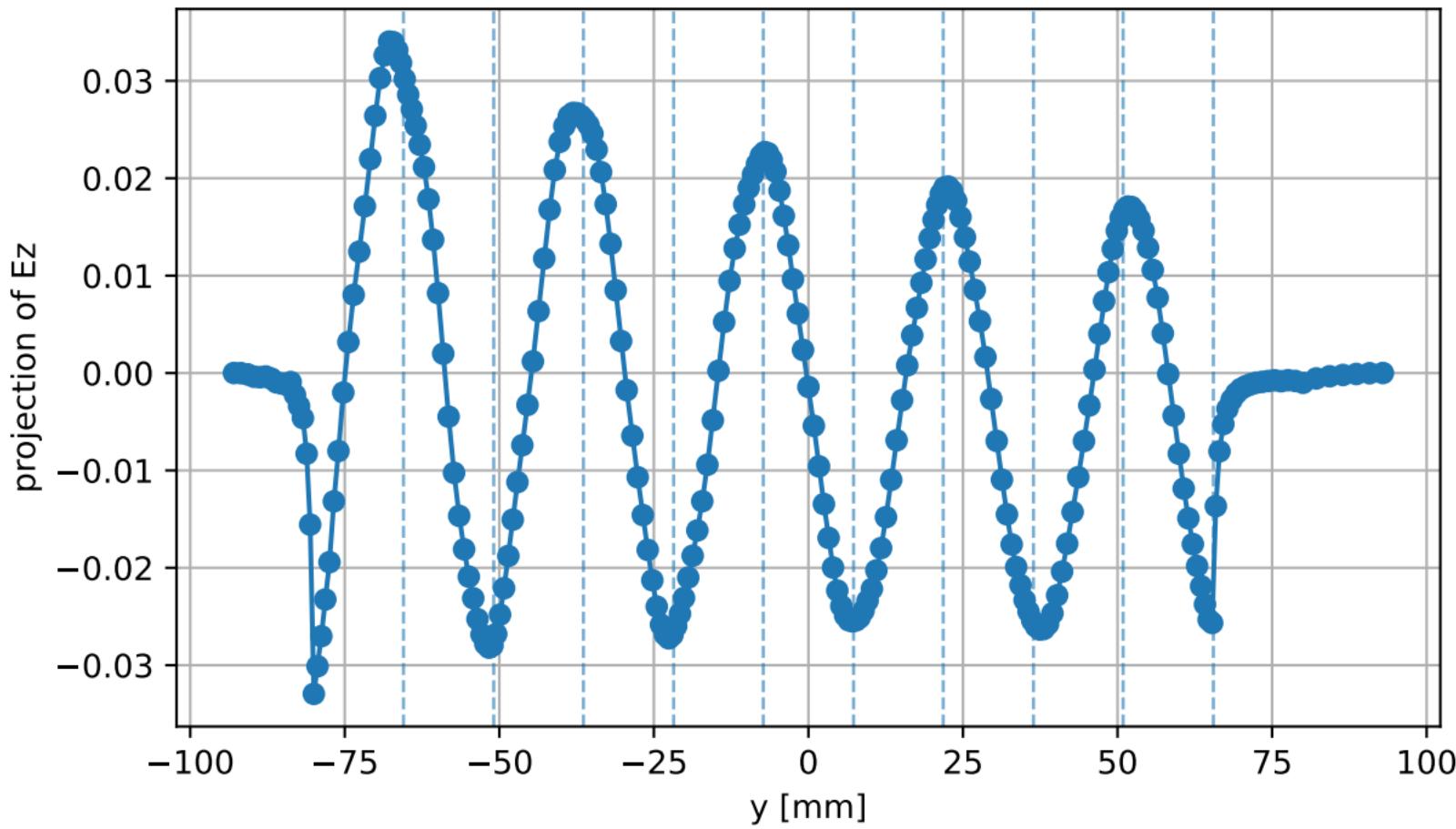
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=39$, $z=26$)



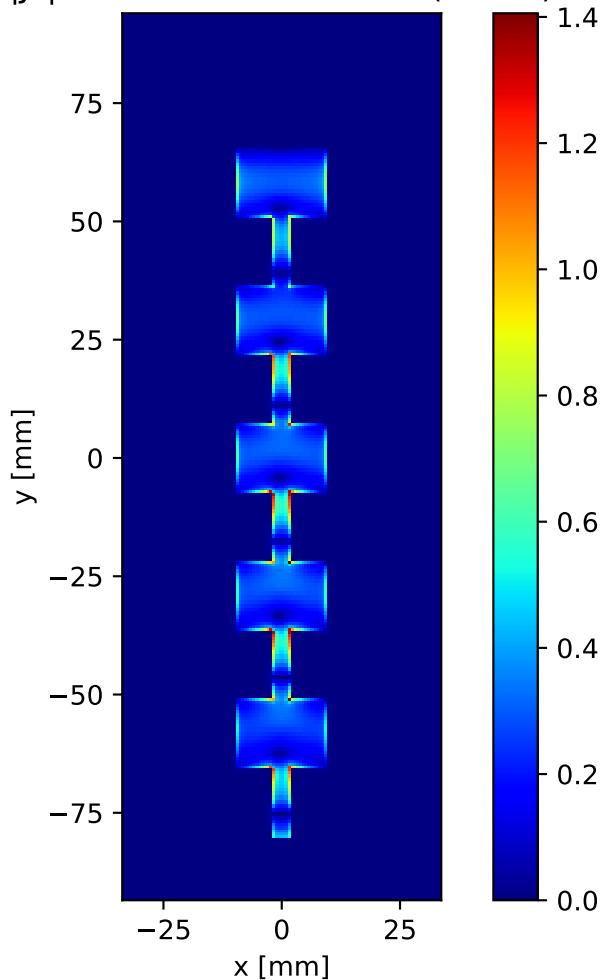
Ez snapshot ($d\phi = 0.24\text{deg}$) slice at $z = 0.76 \text{ mm}$ (idx 26)



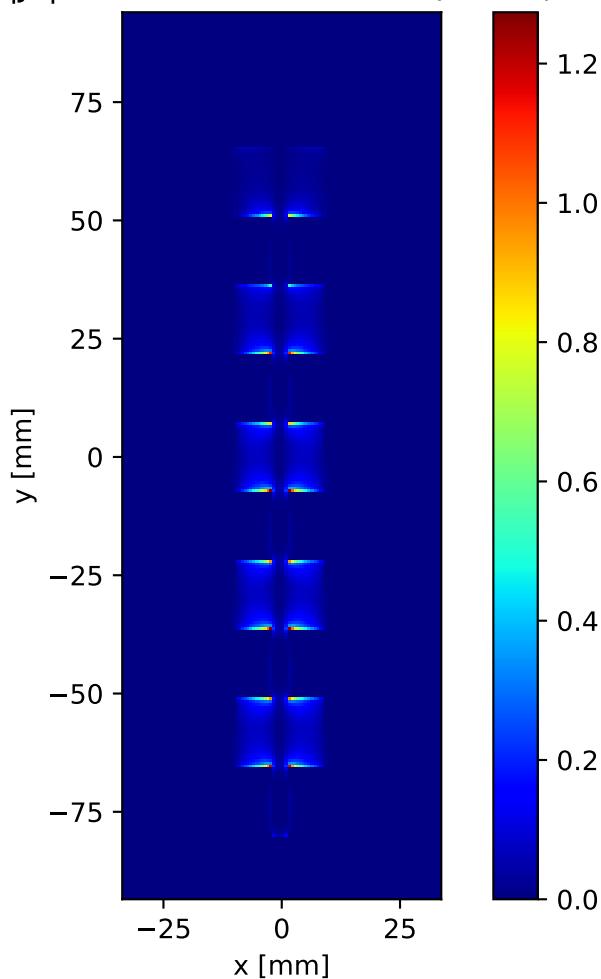
Ez snapshot ($d\phi=0.24\text{deg}$) line cut along Y at $x=0.00 \text{ mm}$, $z=0.76 \text{ mm}$
(idx $x=39$, $z=26$)



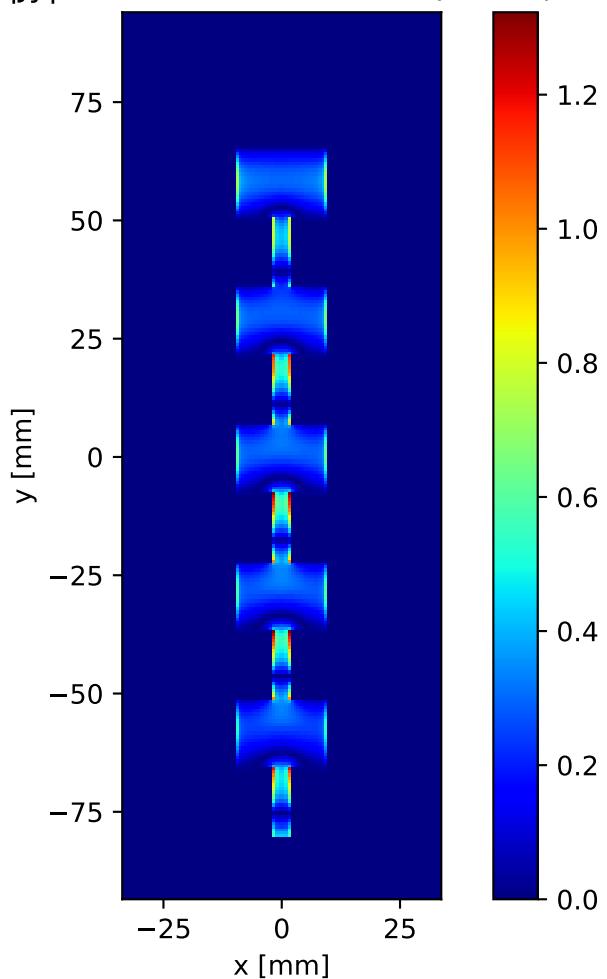
$|J_s|$ slice at $z = 1.524$ mm (idx 28)



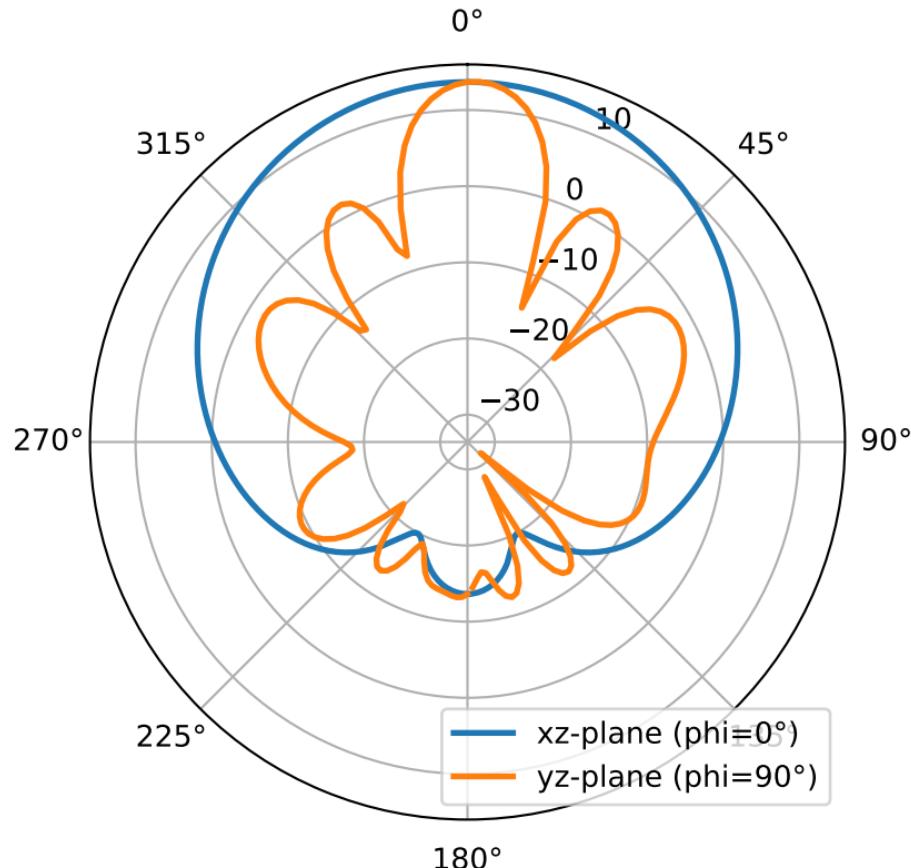
$|J_x|$ slice at $z = 1.524$ mm (idx 28)



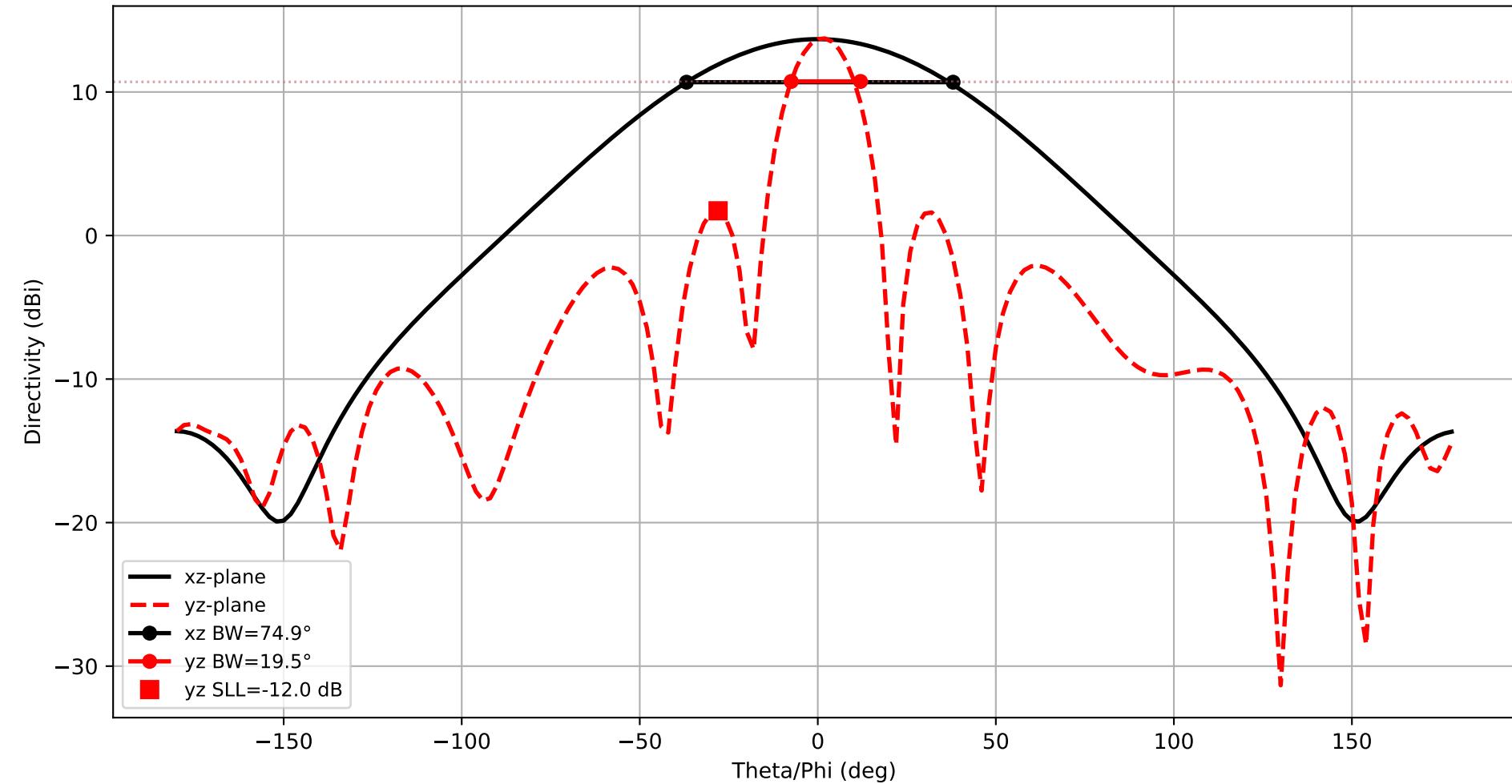
$|J_y|$ slice at $z = 1.524$ mm (idx 28)



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



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



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

