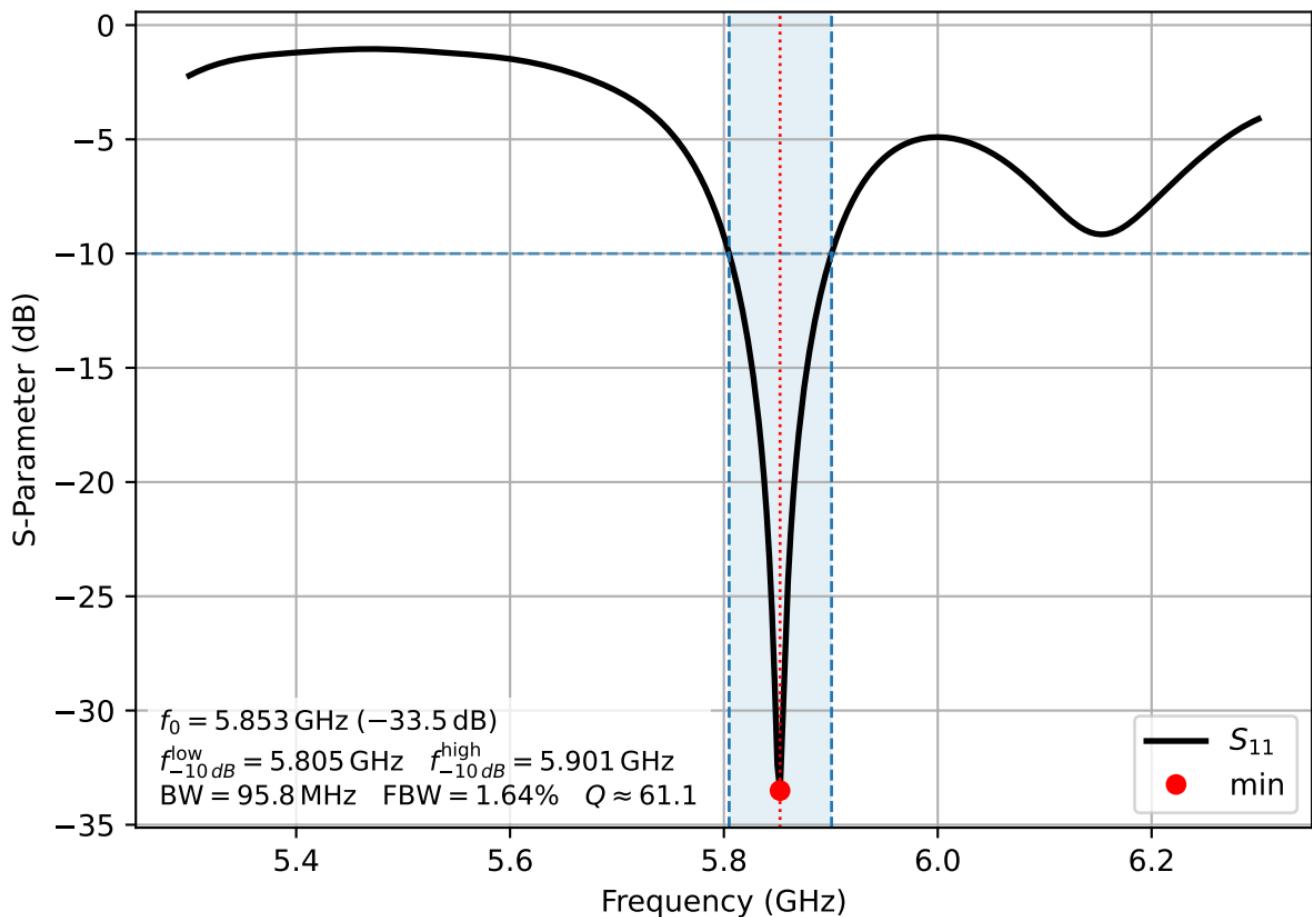
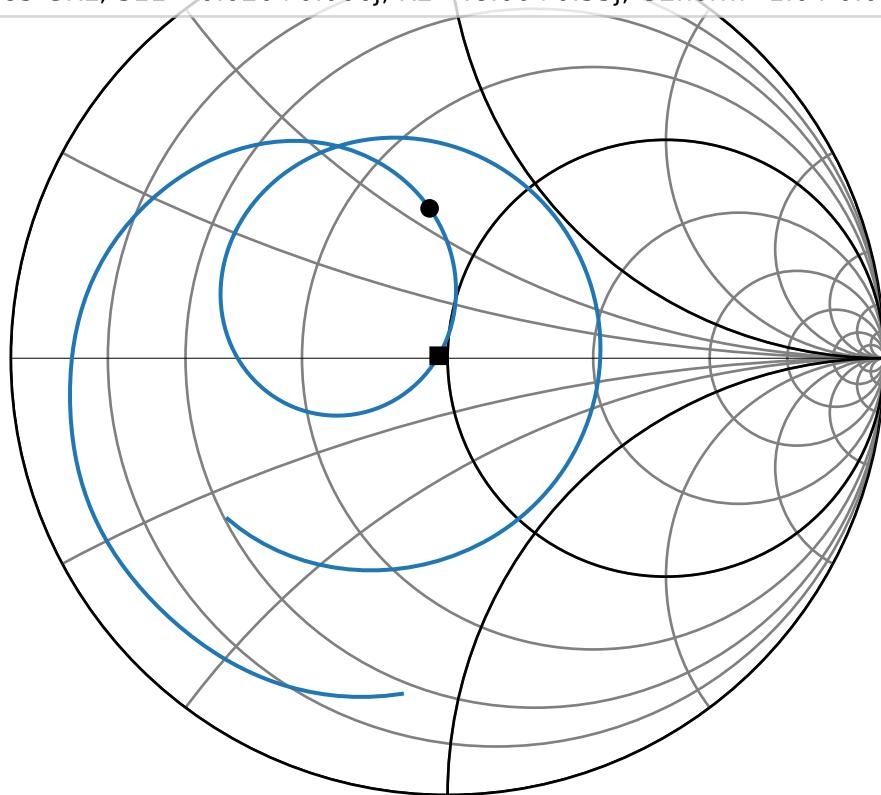


Reflection Coefficient S_{11}

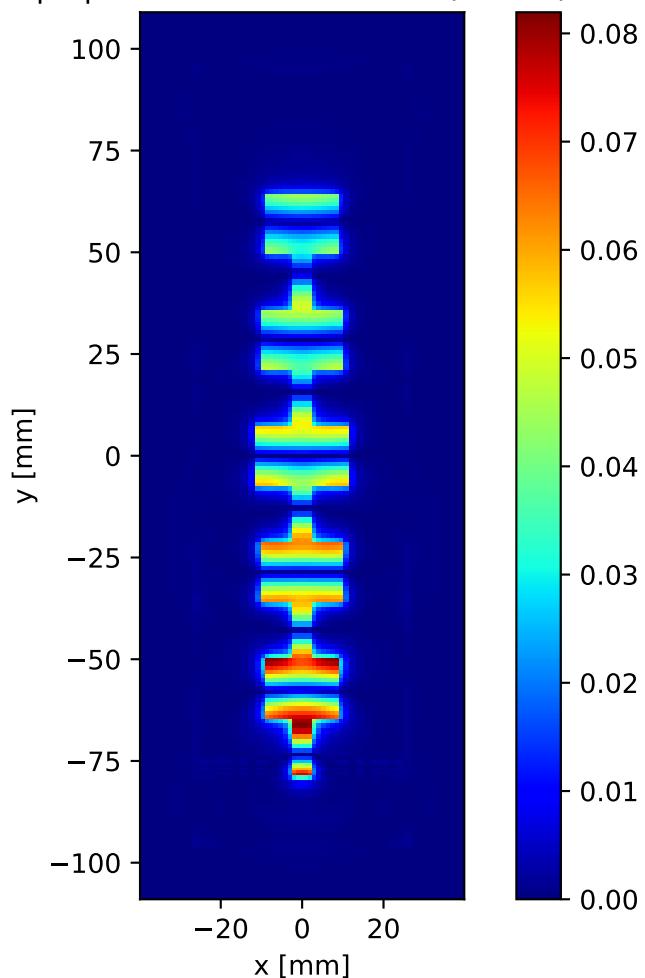


Smith Chart

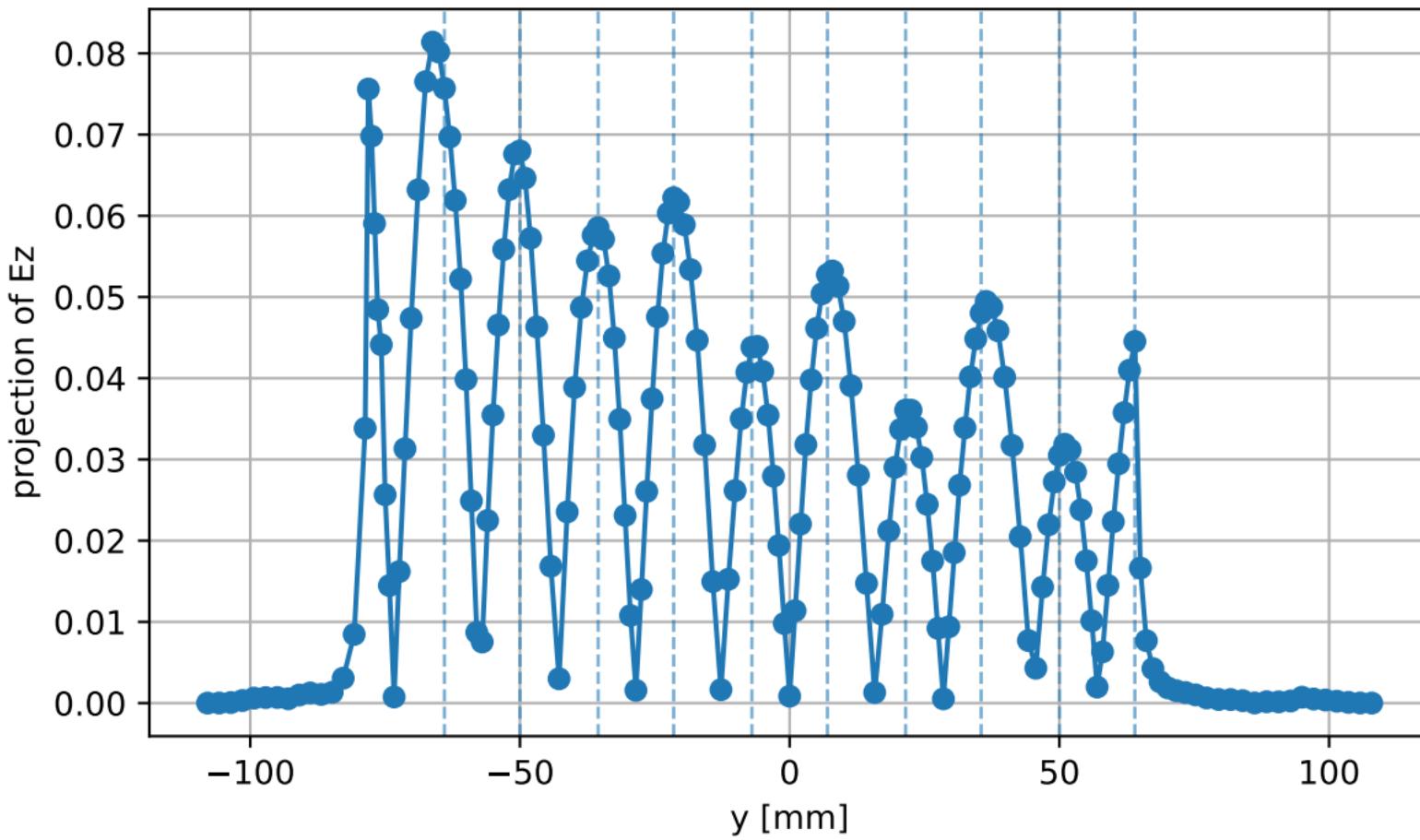
- S11 (Patch W=19.10 mm, L=14.00 mm)
- 5.80 GHz, $S_{11}=-0.041+0.343j$, $R=36.64+28.55j$, $G_{norm}=0.85-0.66j$
- 5.85 GHz, $S_{11}=-0.020+0.006j$, $R=48.00+0.55j$, $G2_{norm}=1.04-0.01j$



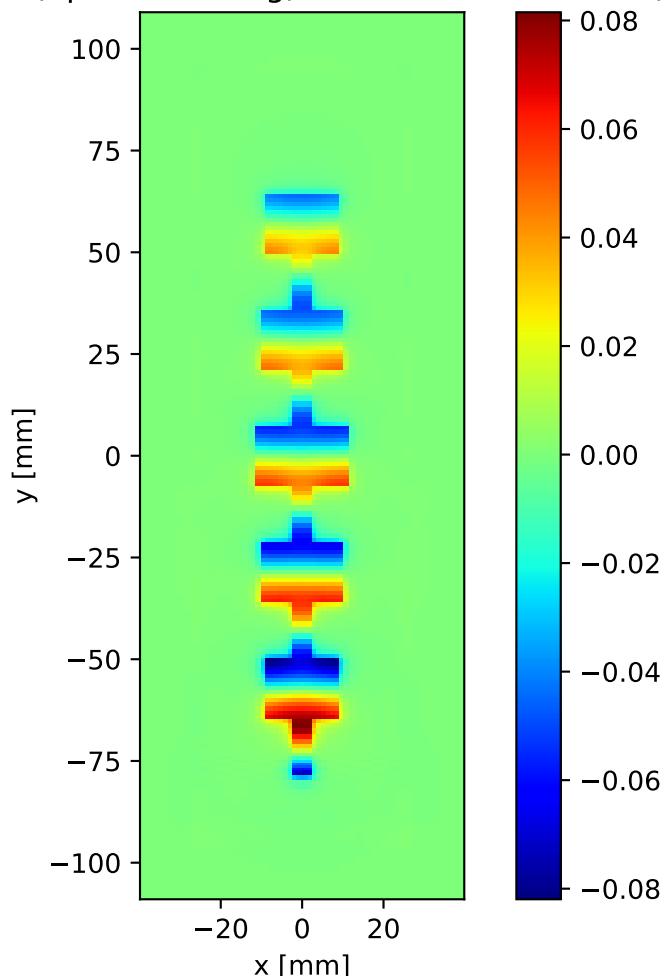
$|E_z|$ slice at $z = 0.76$ mm (idx 20)



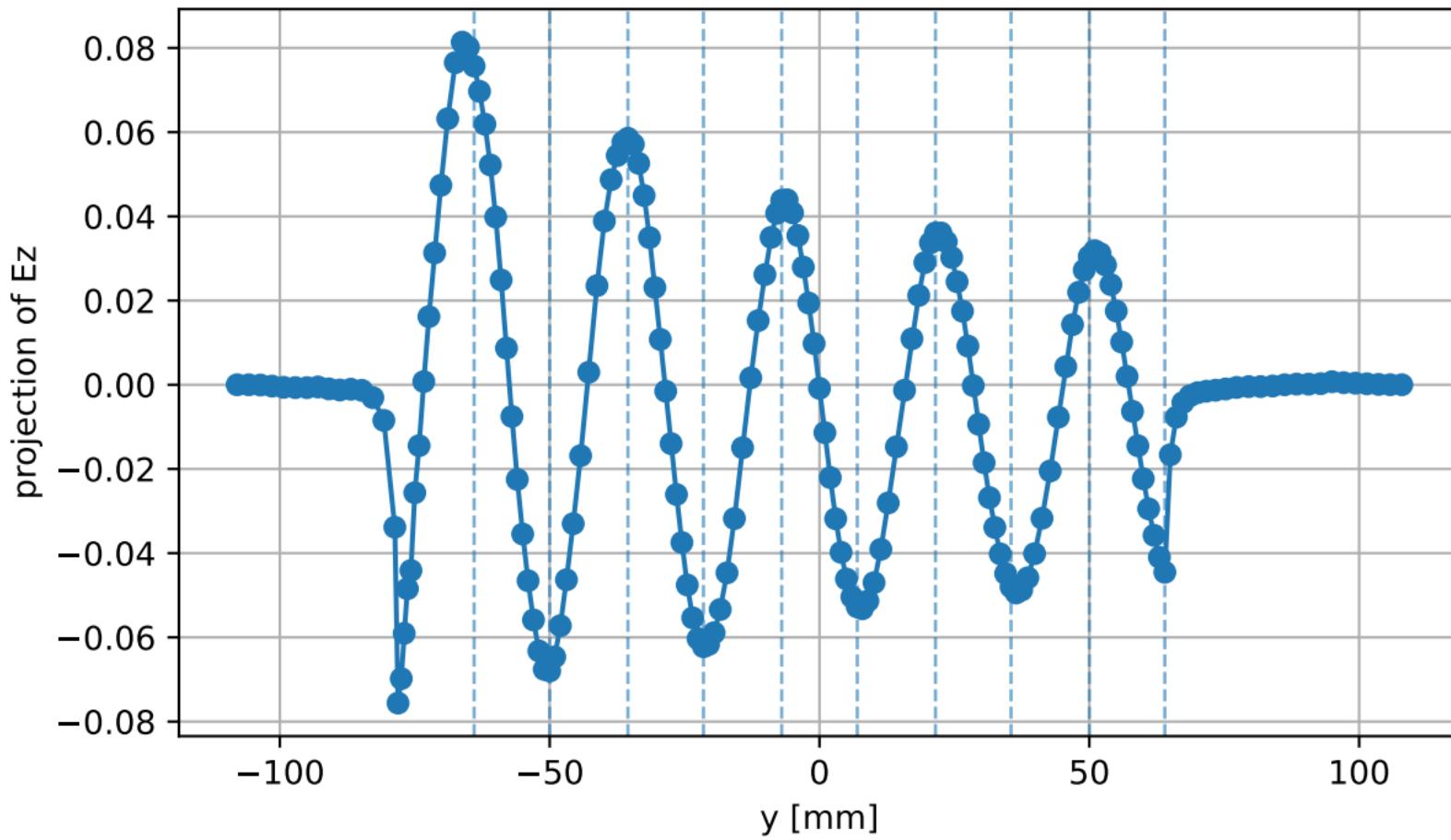
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=24$, $z=20$)



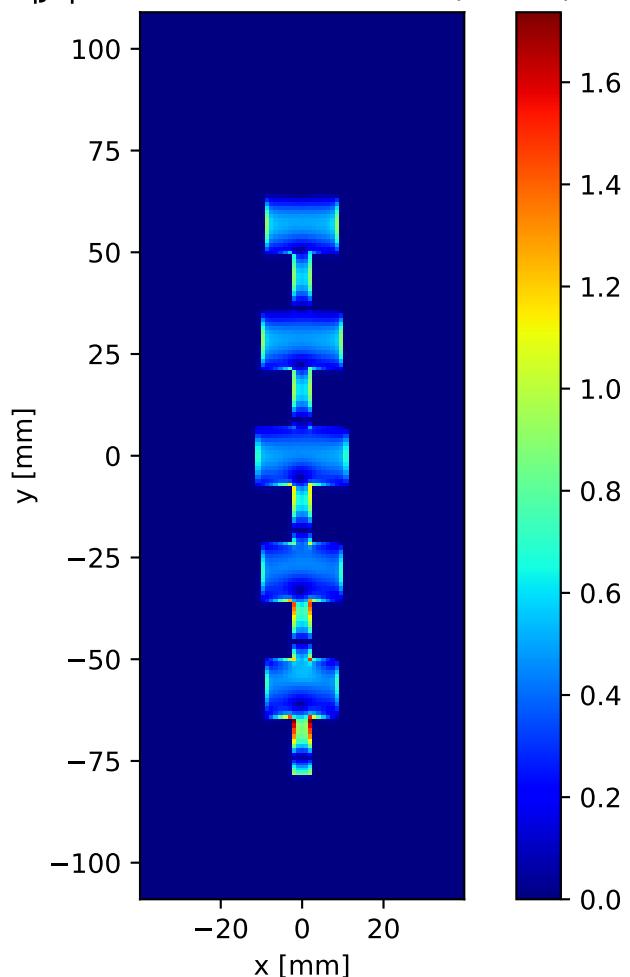
Ez snapshot (dphi=-0.34deg) slice at z = 0.76 mm (idx 20)



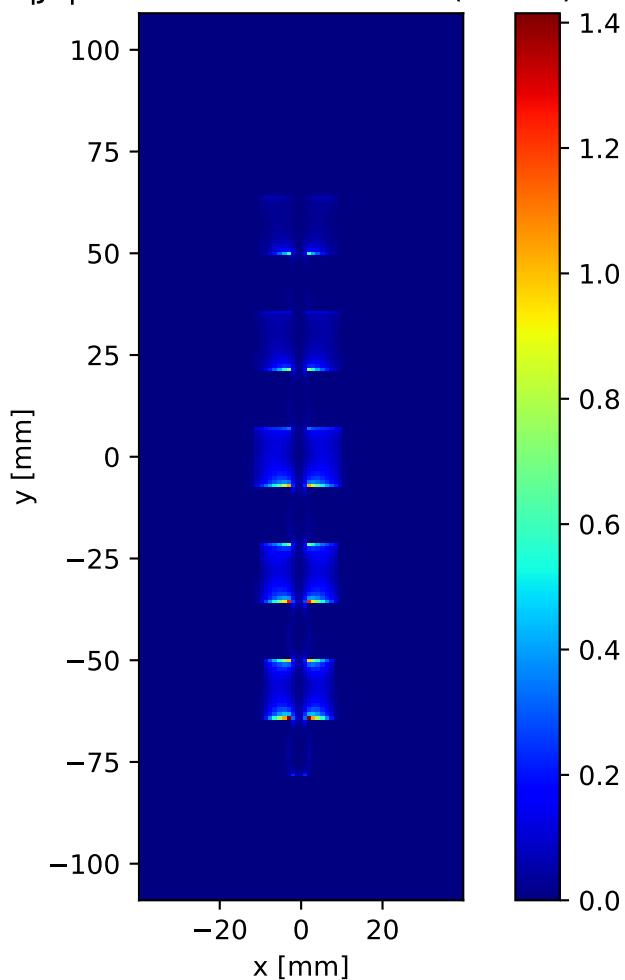
Ez snapshot ($d\phi = -0.34\text{deg}$) line cut along Y at $x=0.00 \text{ mm}$, $z=0.76 \text{ mm}$
(idx $x=24$, $z=20$)



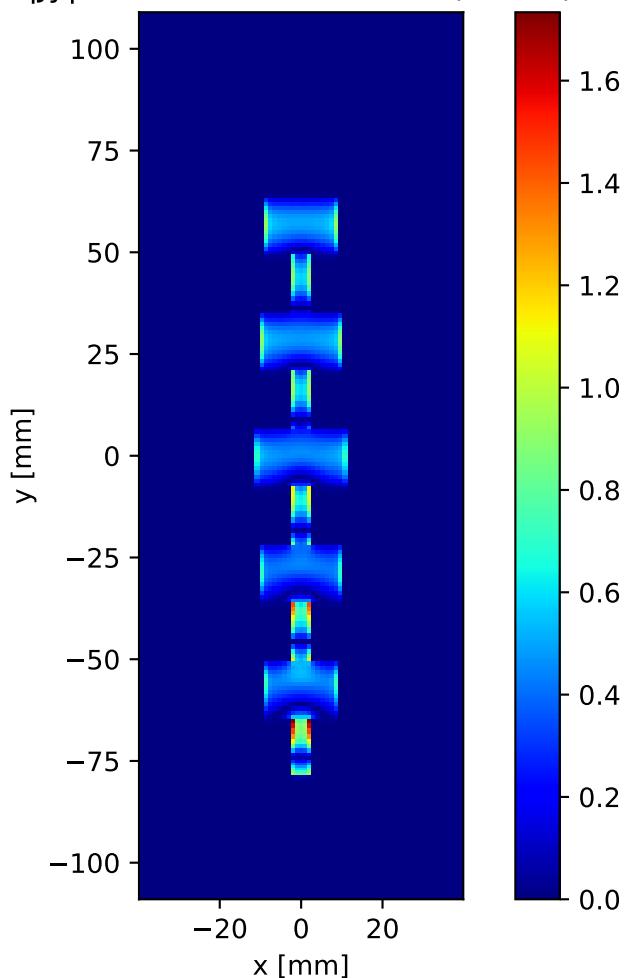
$|J_s|$ slice at $z = 1.524$ mm (idx 22)



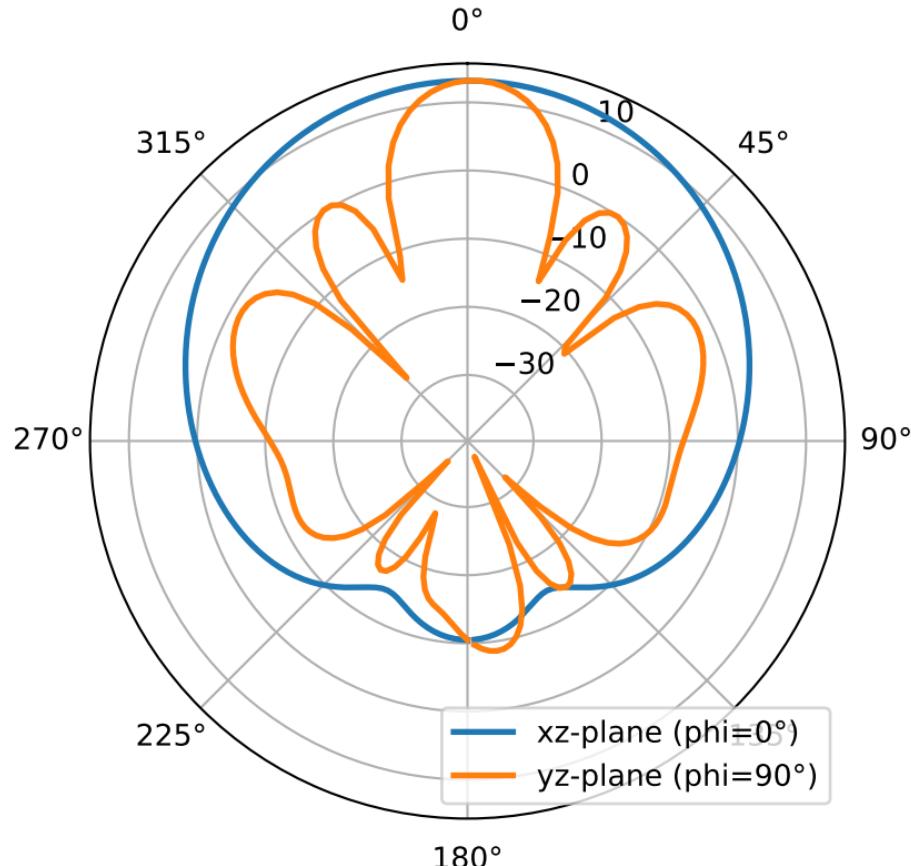
$|J_x|$ slice at $z = 1.524$ mm (idx 22)



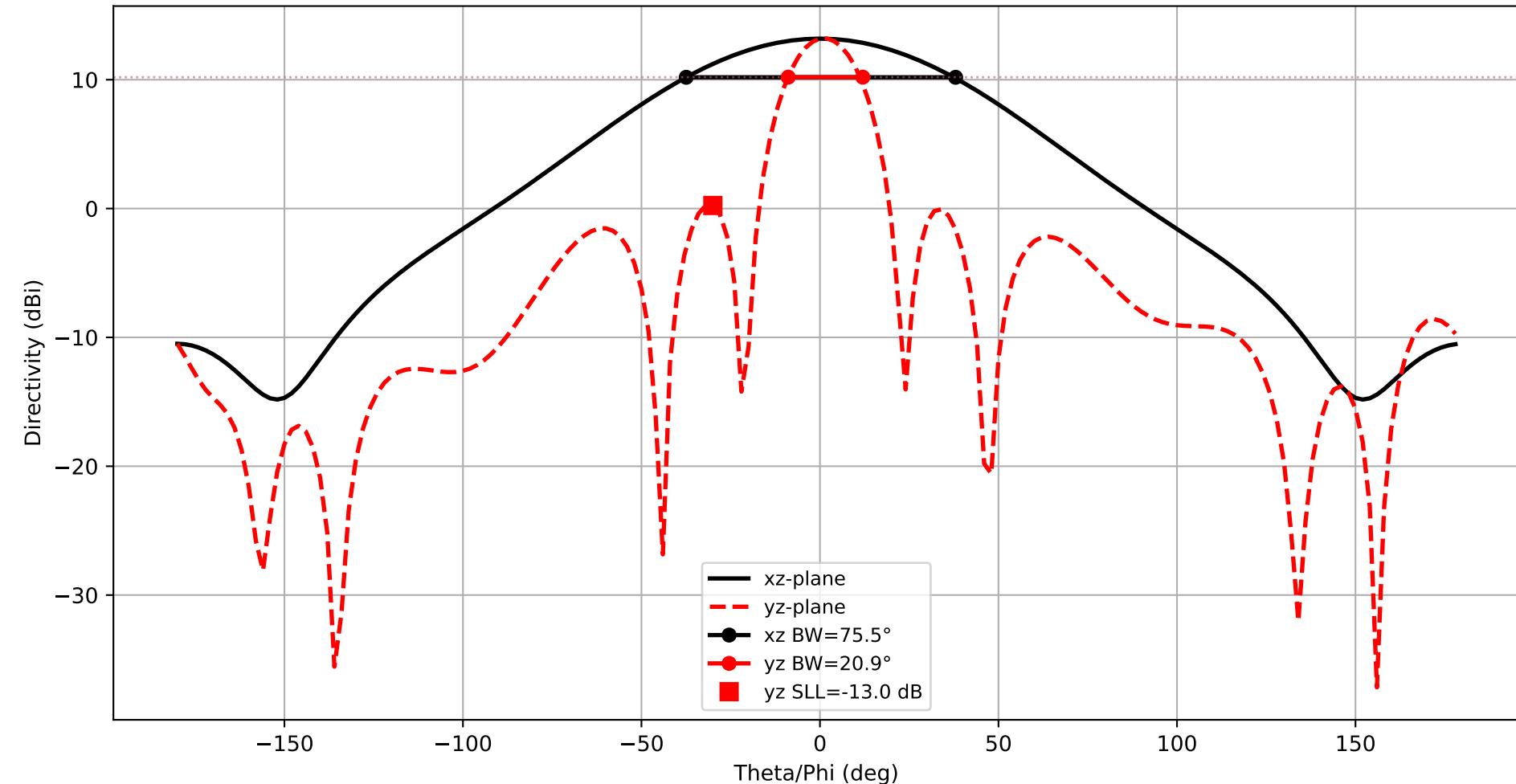
$|j_y|$ slice at $z = 1.524$ mm (idx 22)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 13.20 \text{ dB}$, nf2ff $D_{\max} = 13.20 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=75.5°
yz-plane: HPBW=20.9°



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\max} = 13.19 \text{ dBi}$

