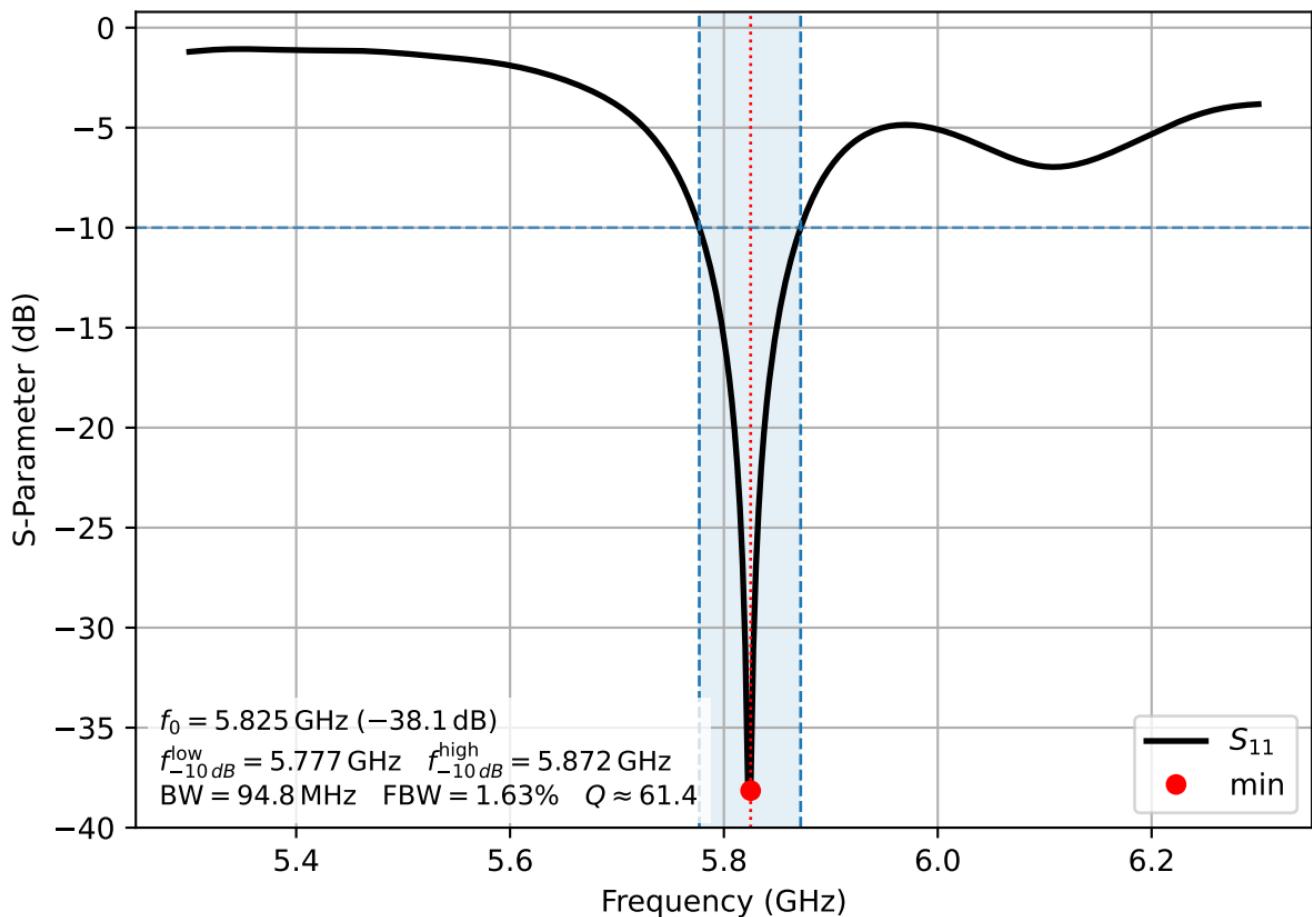
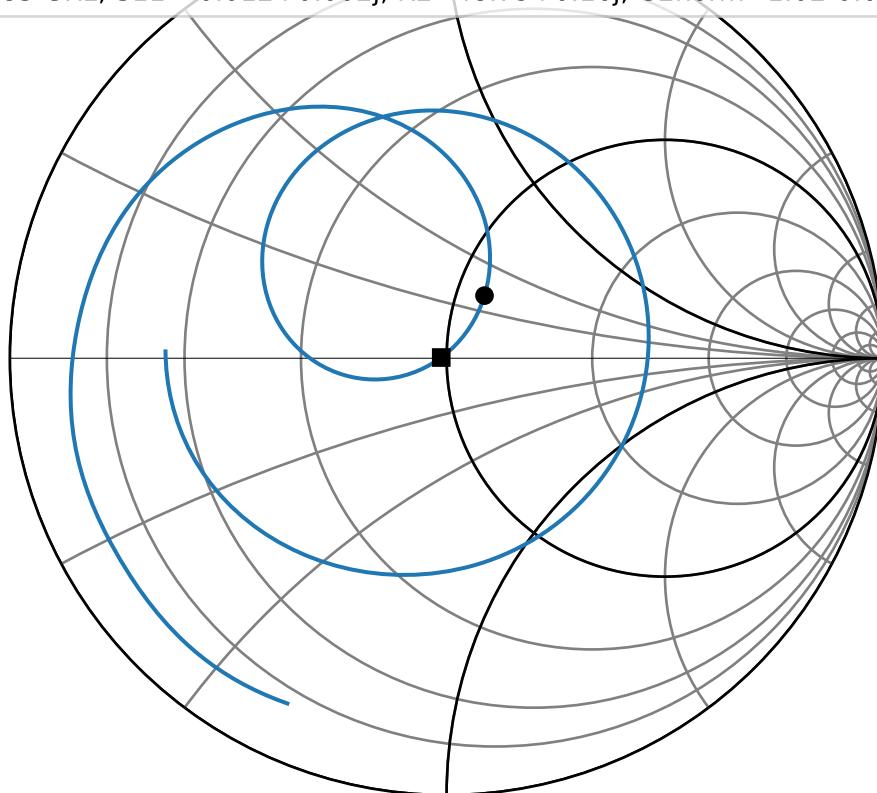


Reflection Coefficient S_{11}

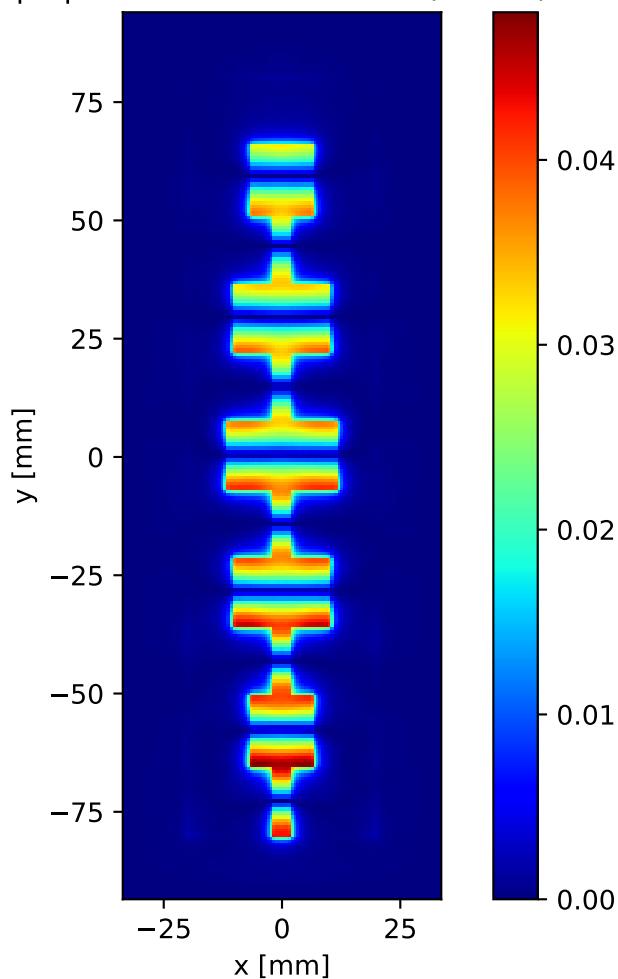


Smith Chart

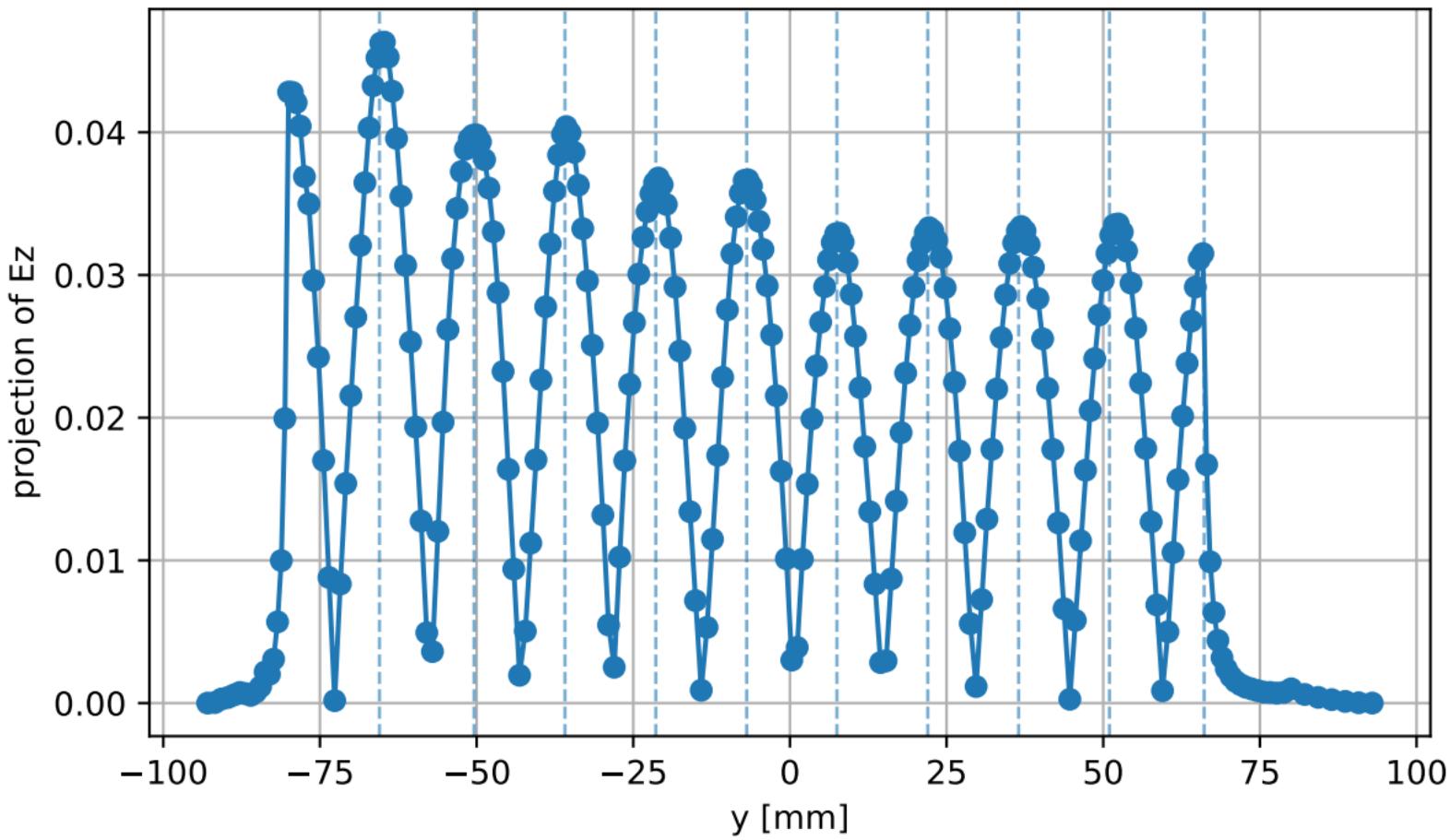
- S11 (Patch W=23.40 mm, L=14.40 mm)
- 5.80 GHz, $S_{11}=0.087+0.143j$, $R=56.87+16.78j$, $G_{norm}=0.81-0.24j$
- 5.83 GHz, $S_{11}=-0.012+0.002j$, $R=48.79+0.16j$, $G2_{norm}=1.02-0.00j$



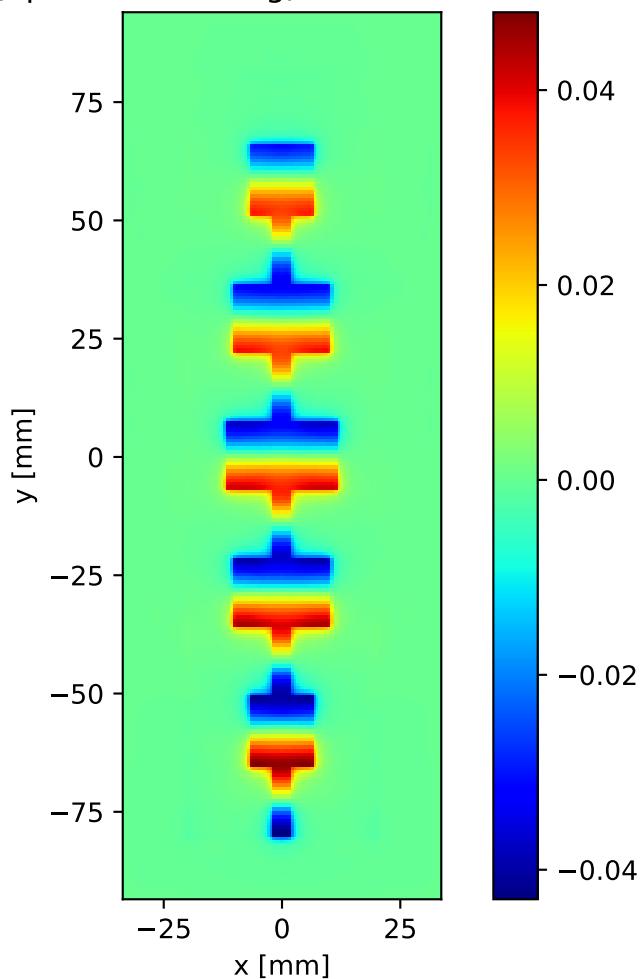
$|E_z|$ slice at $z = 0.76$ mm (idx 26)



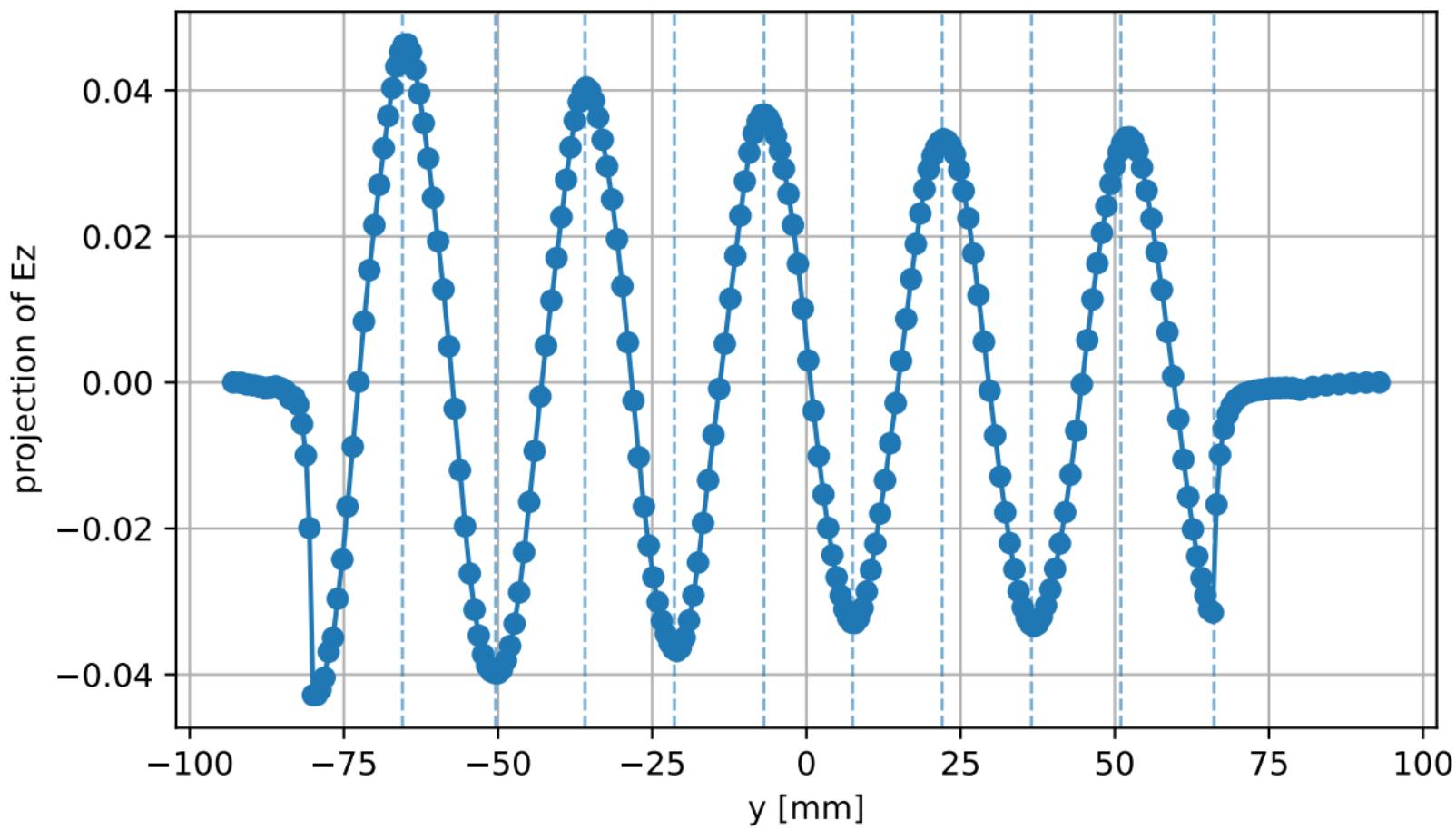
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=43$, $z=26$)



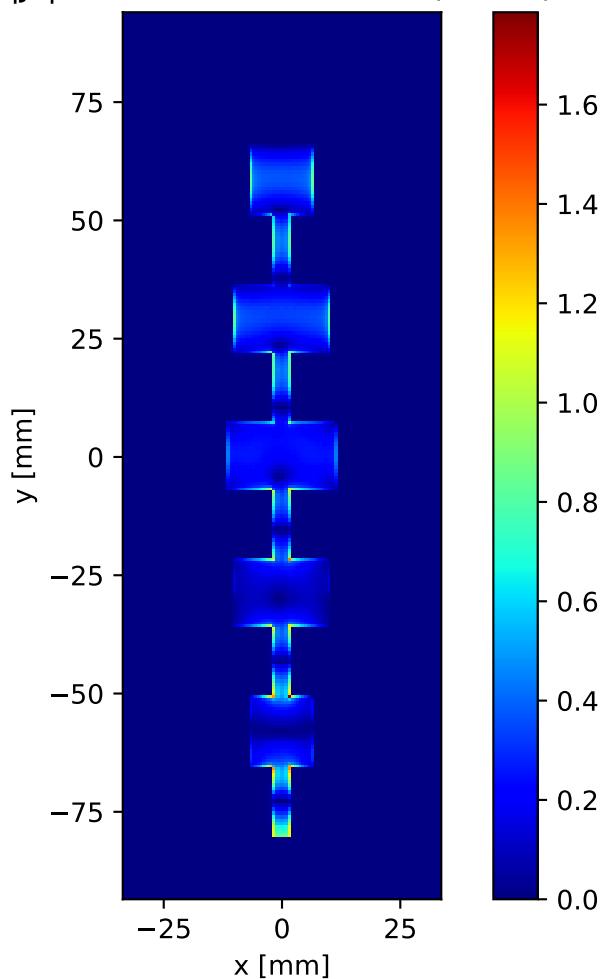
Ez snapshot (dphi=-179.85deg) slice at z = 0.76 mm (idx 26)



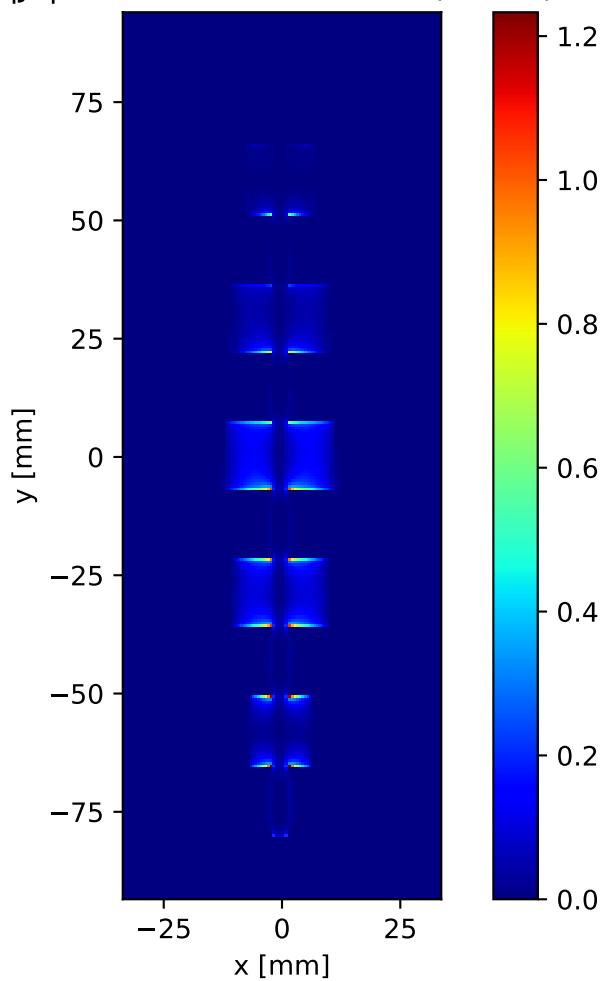
Ez snapshot (dphi=-179.85deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=43, z=26)



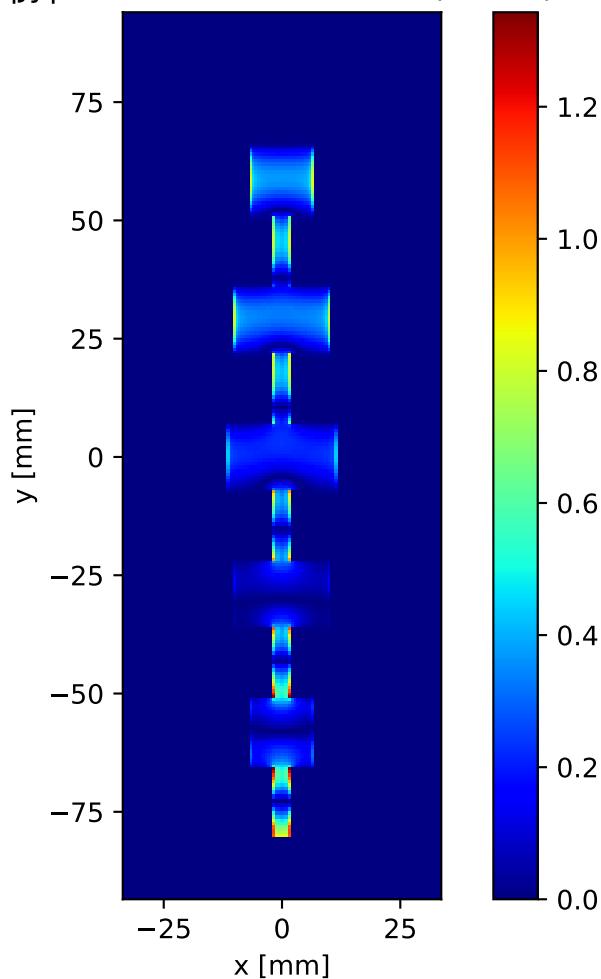
$|J_s|$ slice at $z = 1.524$ mm (idx 28)



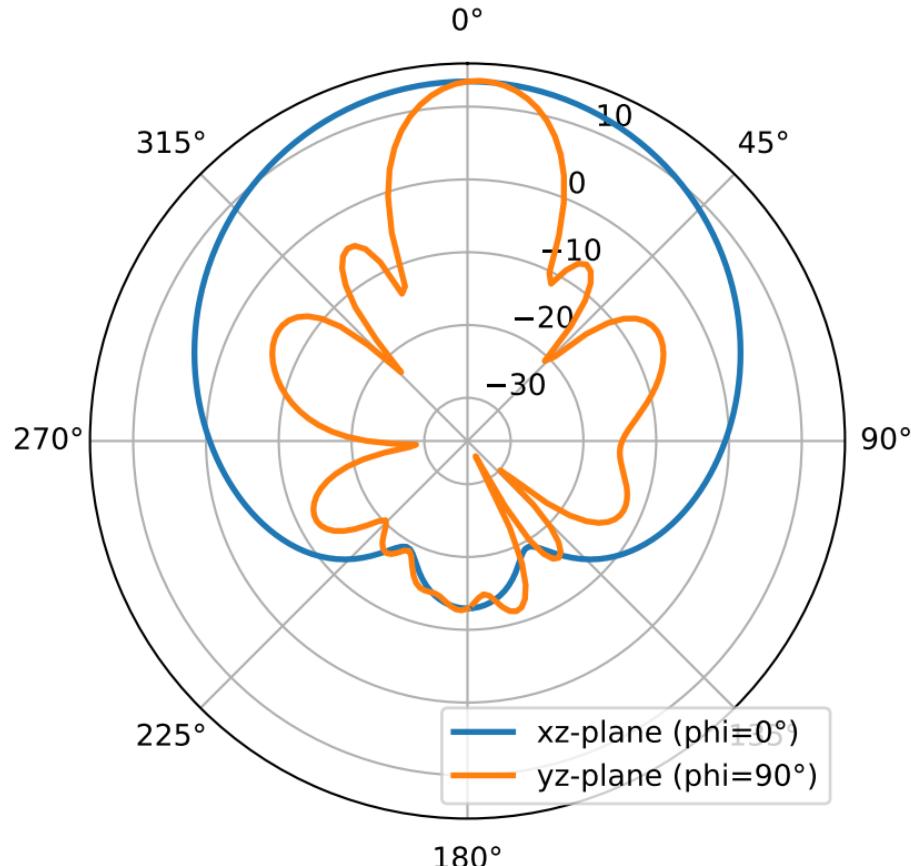
$|J_x|$ slice at $z = 1.524$ mm (idx 28)



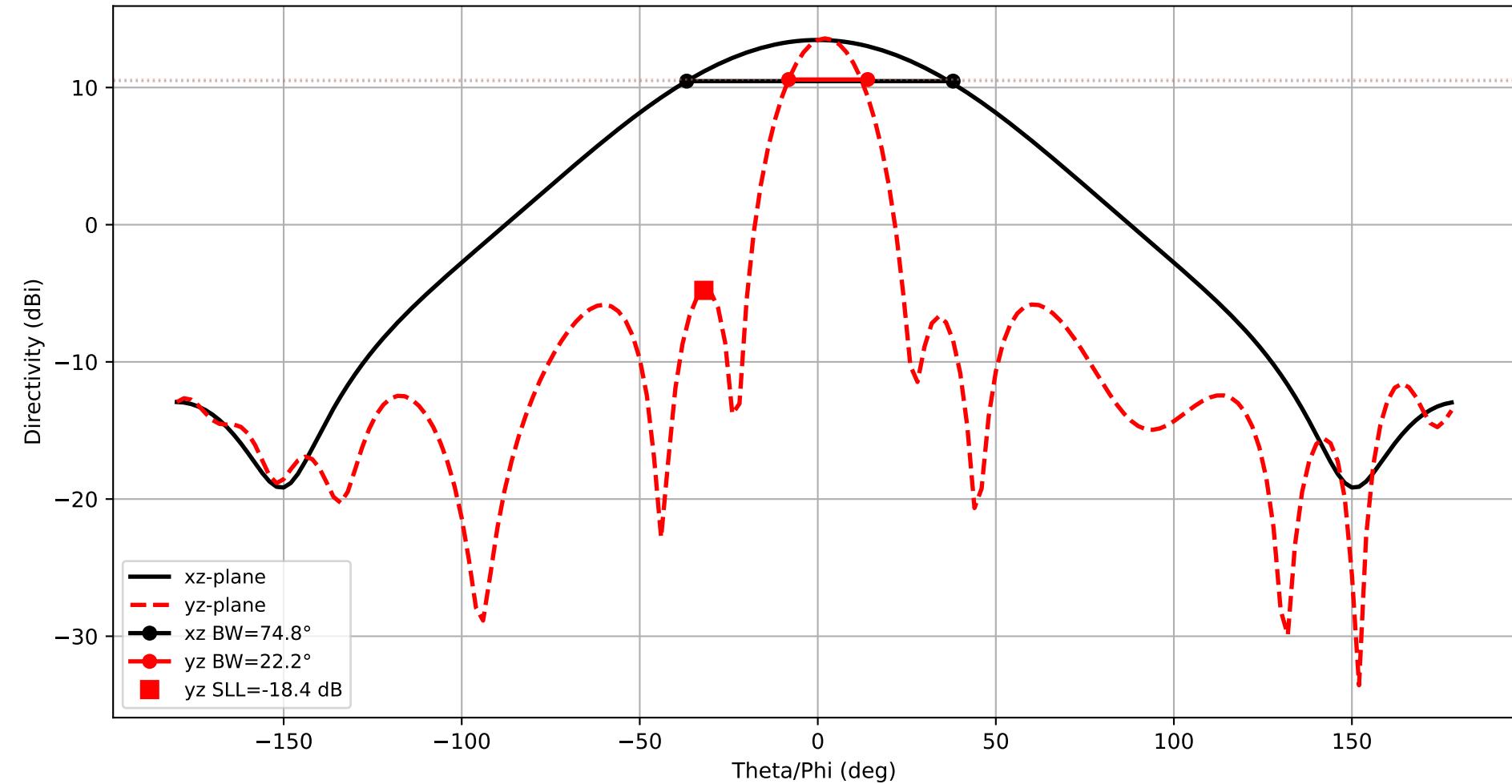
$|J_y|$ slice at $z = 1.524$ mm (idx 28)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 13.58 \text{ dB}$, nf2ff $D_{\max} = 13.58 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=74.8°
yz-plane: HPBW=22.2°



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\max} = 13.53 \text{ dBi}$

