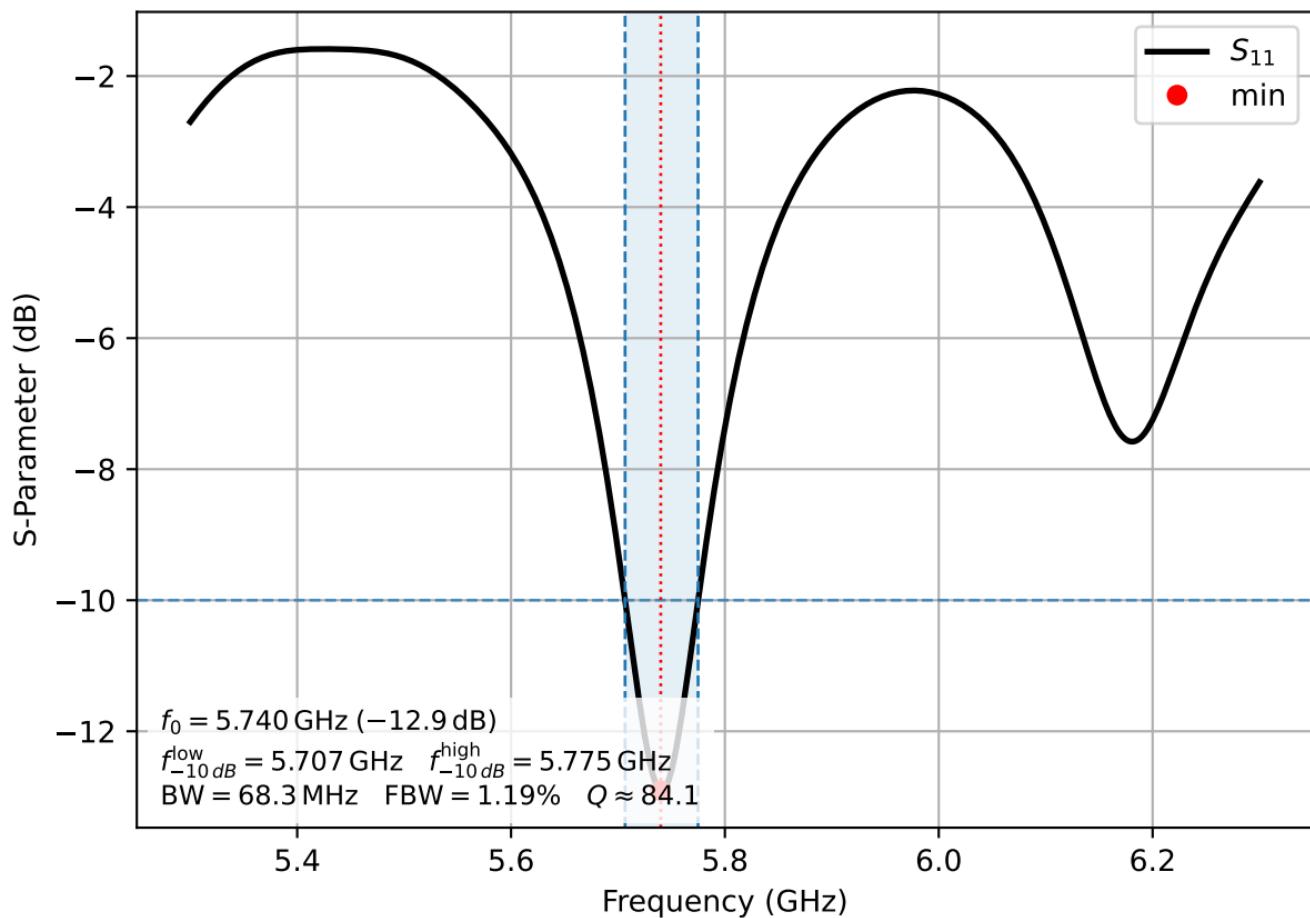
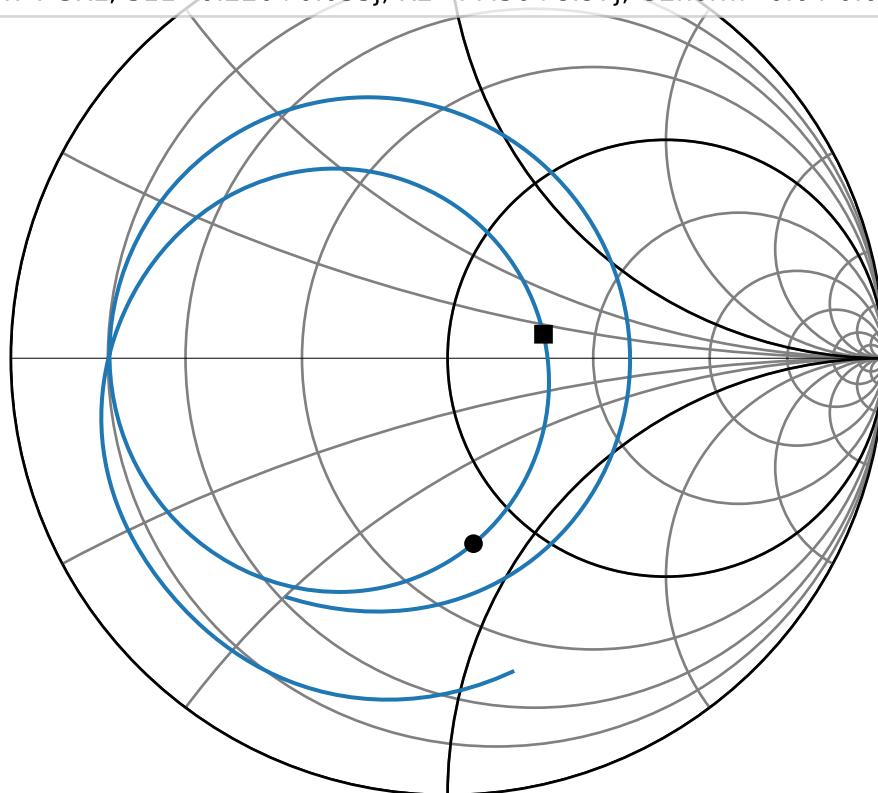


Reflection Coefficient S_{11}

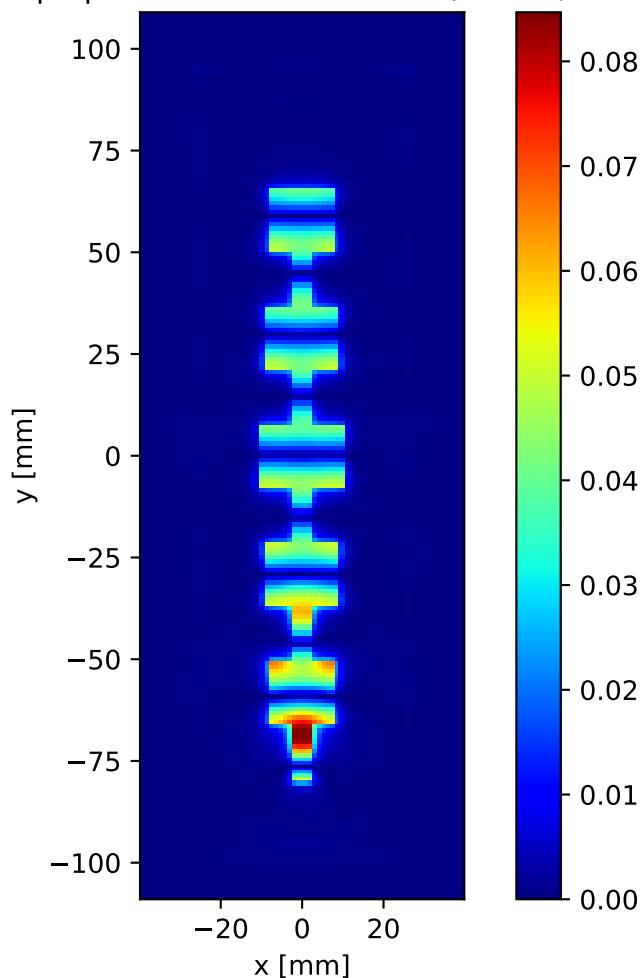


Smith Chart

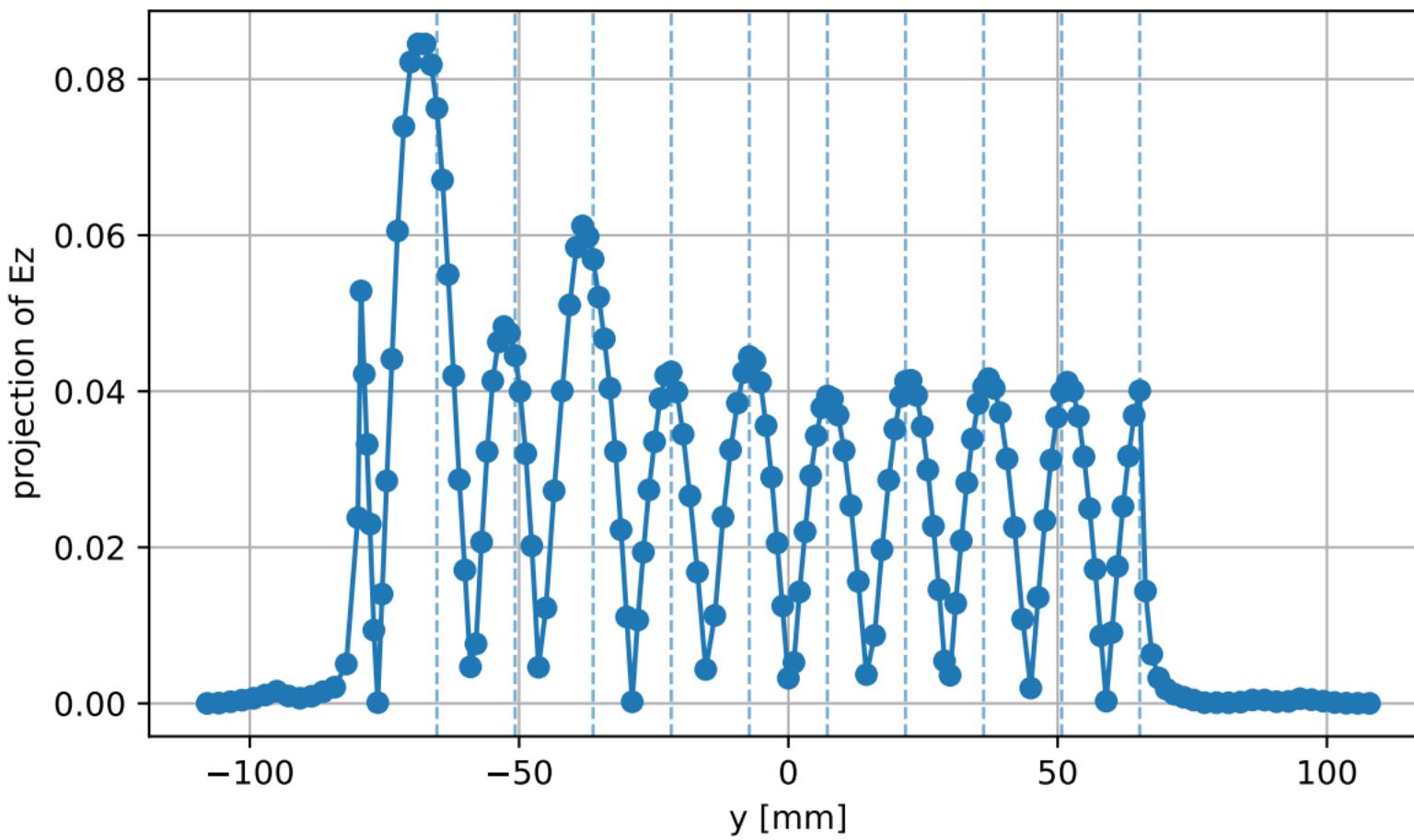
- S11 (Patch W=19.00 mm, L=14.50 mm)
- 5.80 GHz, $S_{11}=0.059-0.425j$, $R=38.31-39.86j$, $G_{norm}=0.63+0.65j$
- 5.74 GHz, $S_{11}=0.220+0.055j$, $R=77.50+8.97j$, $G2_{norm}=0.64-0.07j$



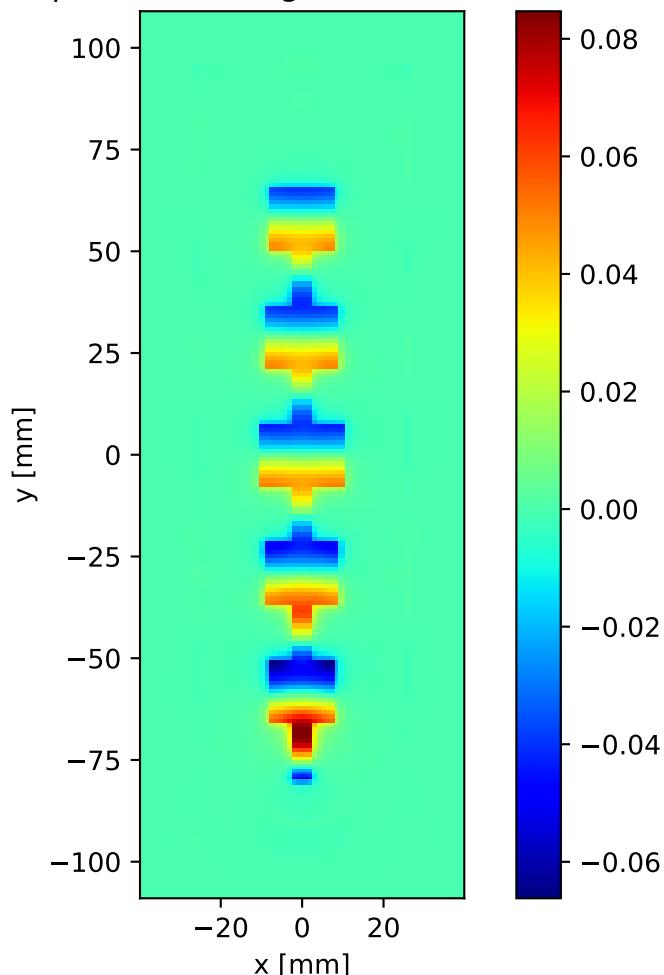
$|E_z|$ slice at $z = 0.76$ mm (idx 20)



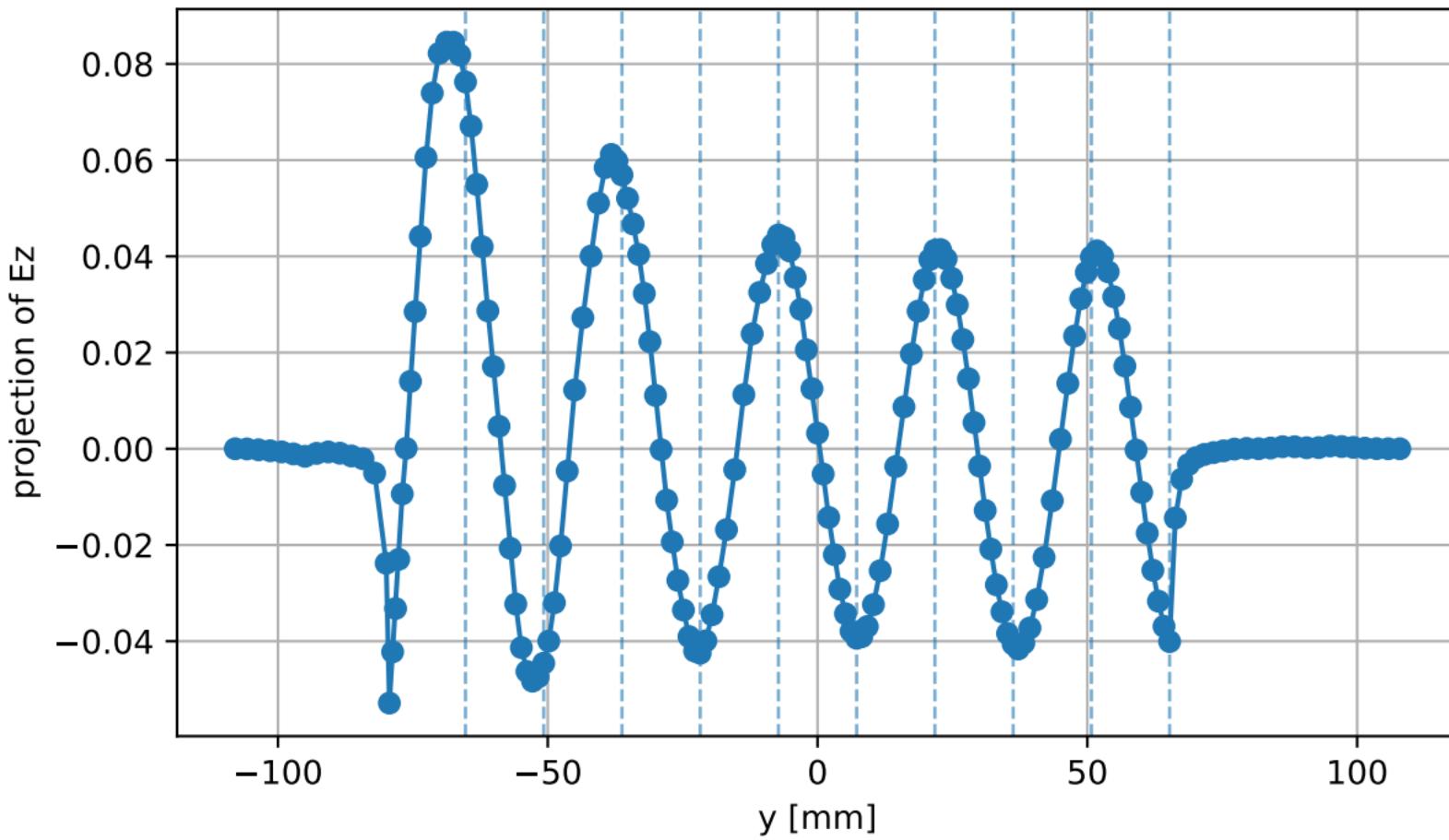
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=23$, $z=20$)



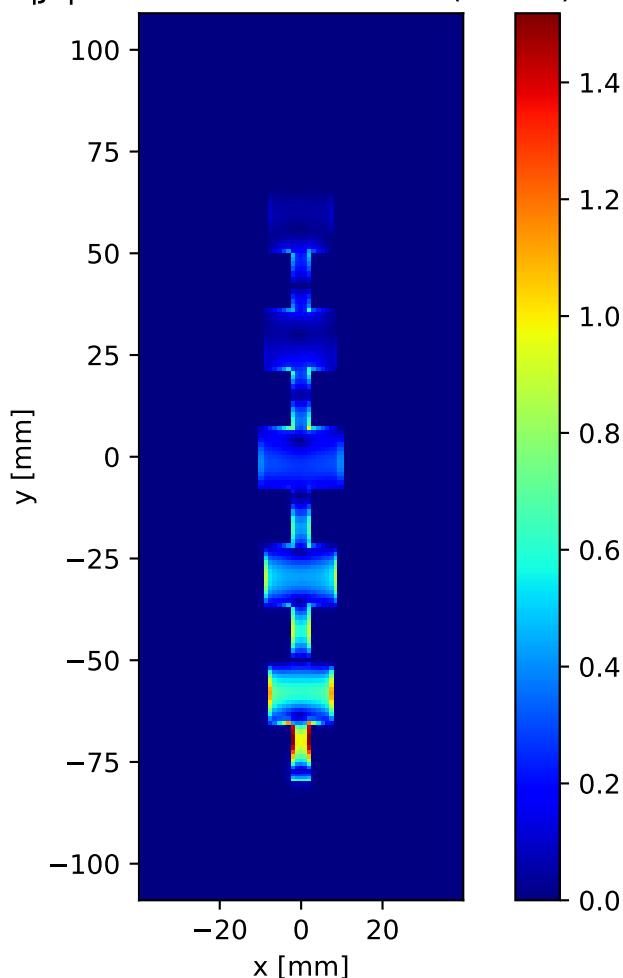
Ez snapshot (dphi=179.56deg) slice at z = 0.76 mm (idx 20)



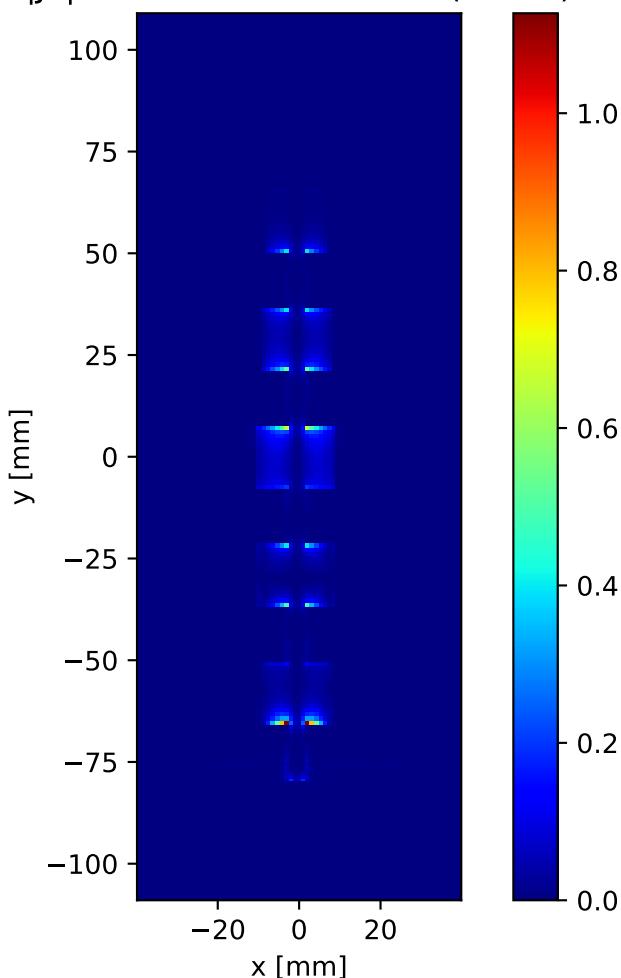
Ez snapshot (dphi=179.56deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=23, z=20)



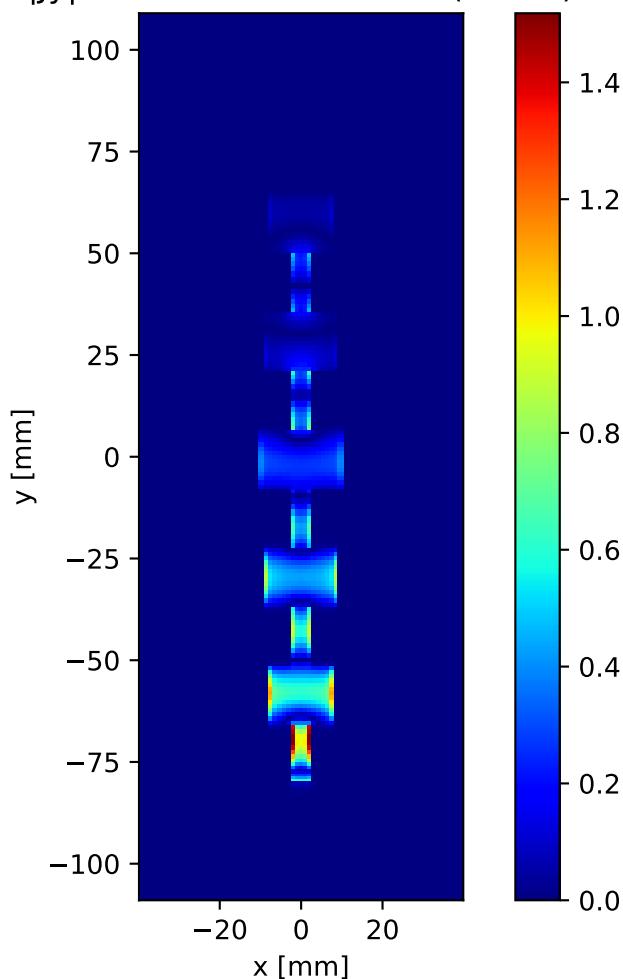
$|J_s|$ slice at $z = 1.524$ mm (idx 22)



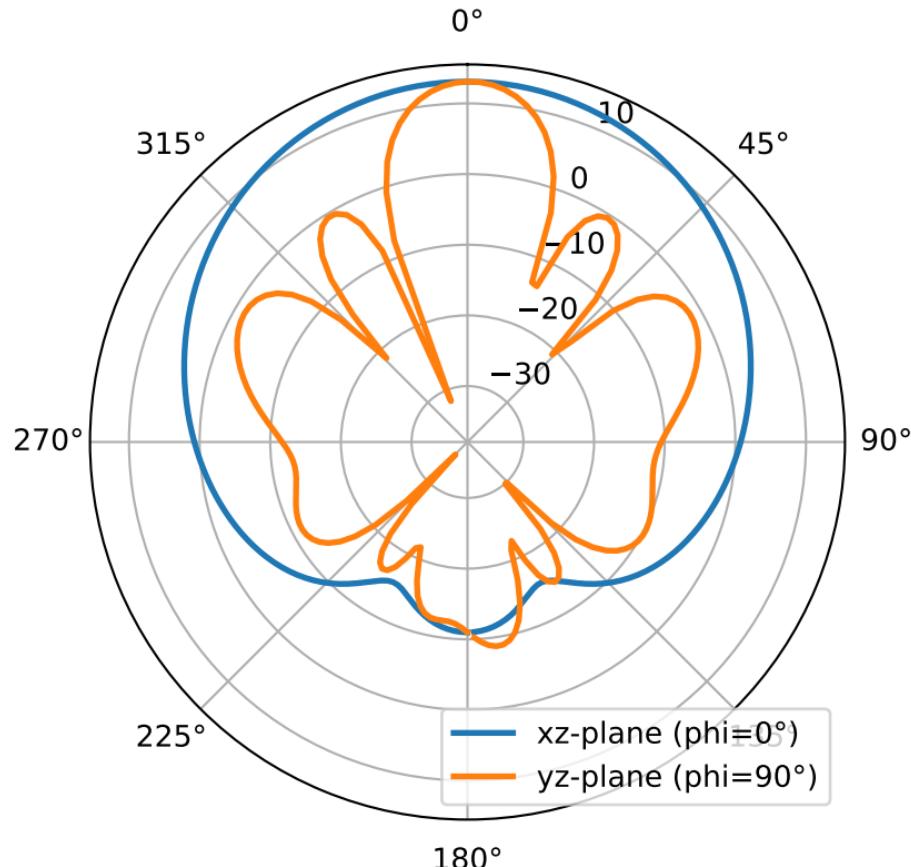
$|J_x|$ slice at $z = 1.524$ mm (idx 22)



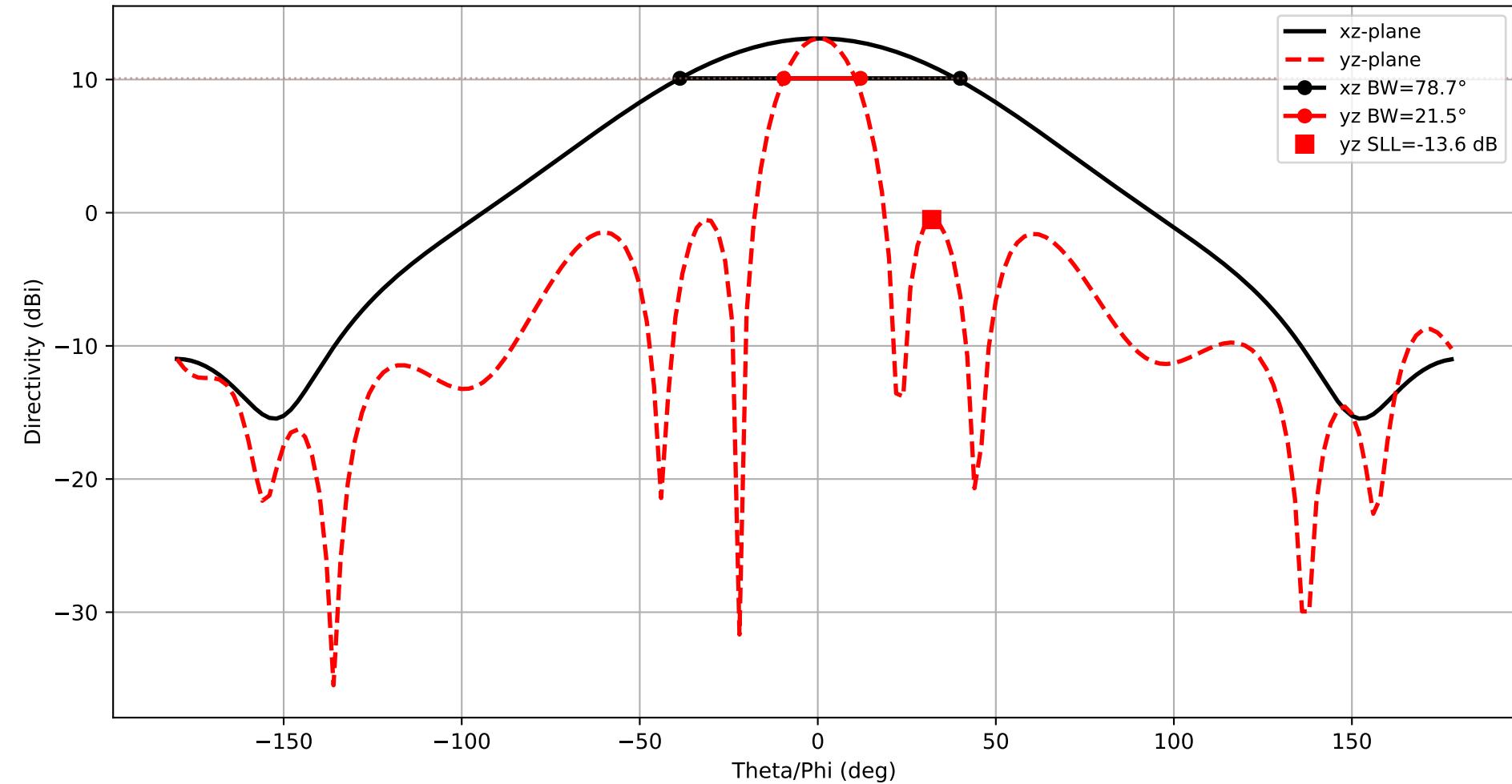
$|j_y|$ slice at $z = 1.524$ mm (idx 22)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 13.09 \text{ dB}$, nf2ff $D_{\max} = 13.09 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=78.7°
yz-plane: HPBW=21.5°



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\max} = 13.09 \text{ dBi}$

