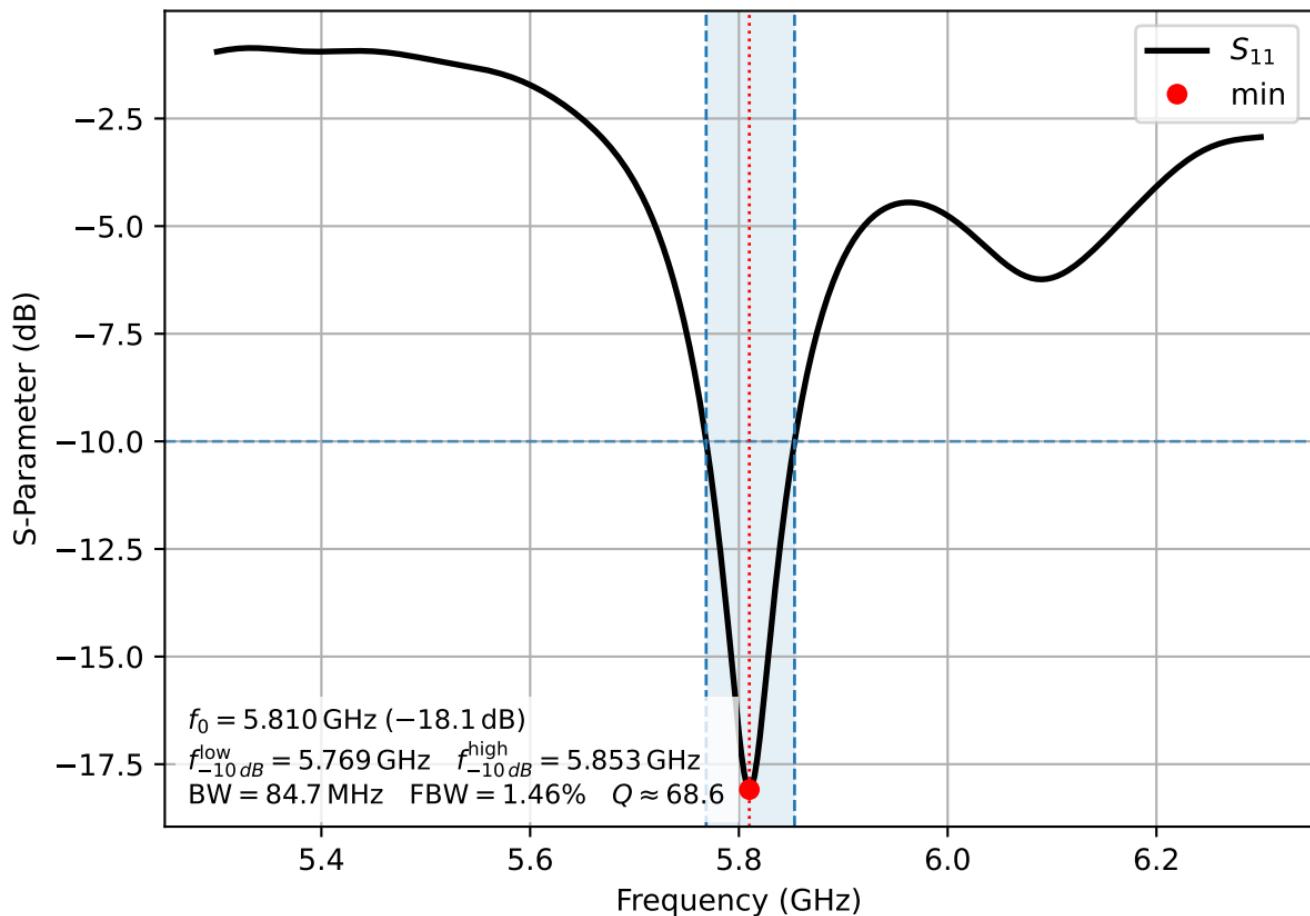
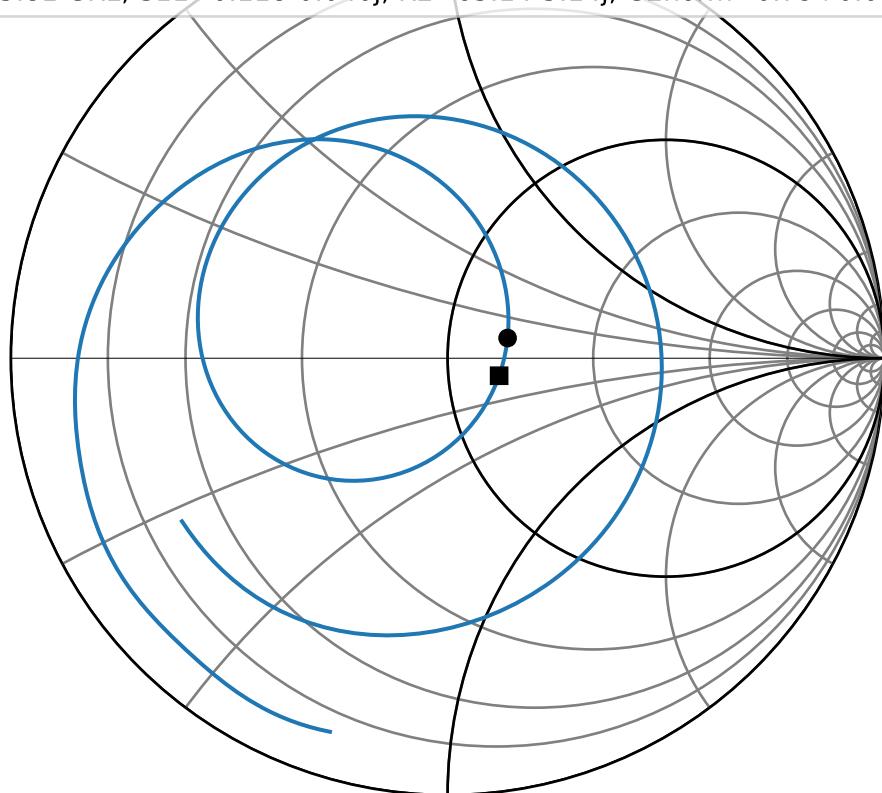


Reflection Coefficient S_{11}

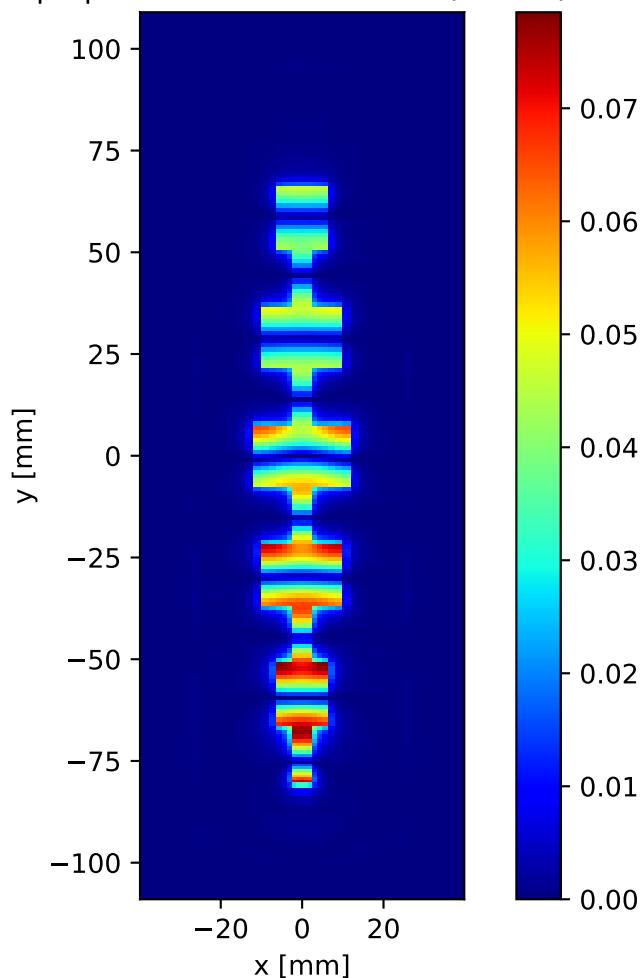


Smith Chart

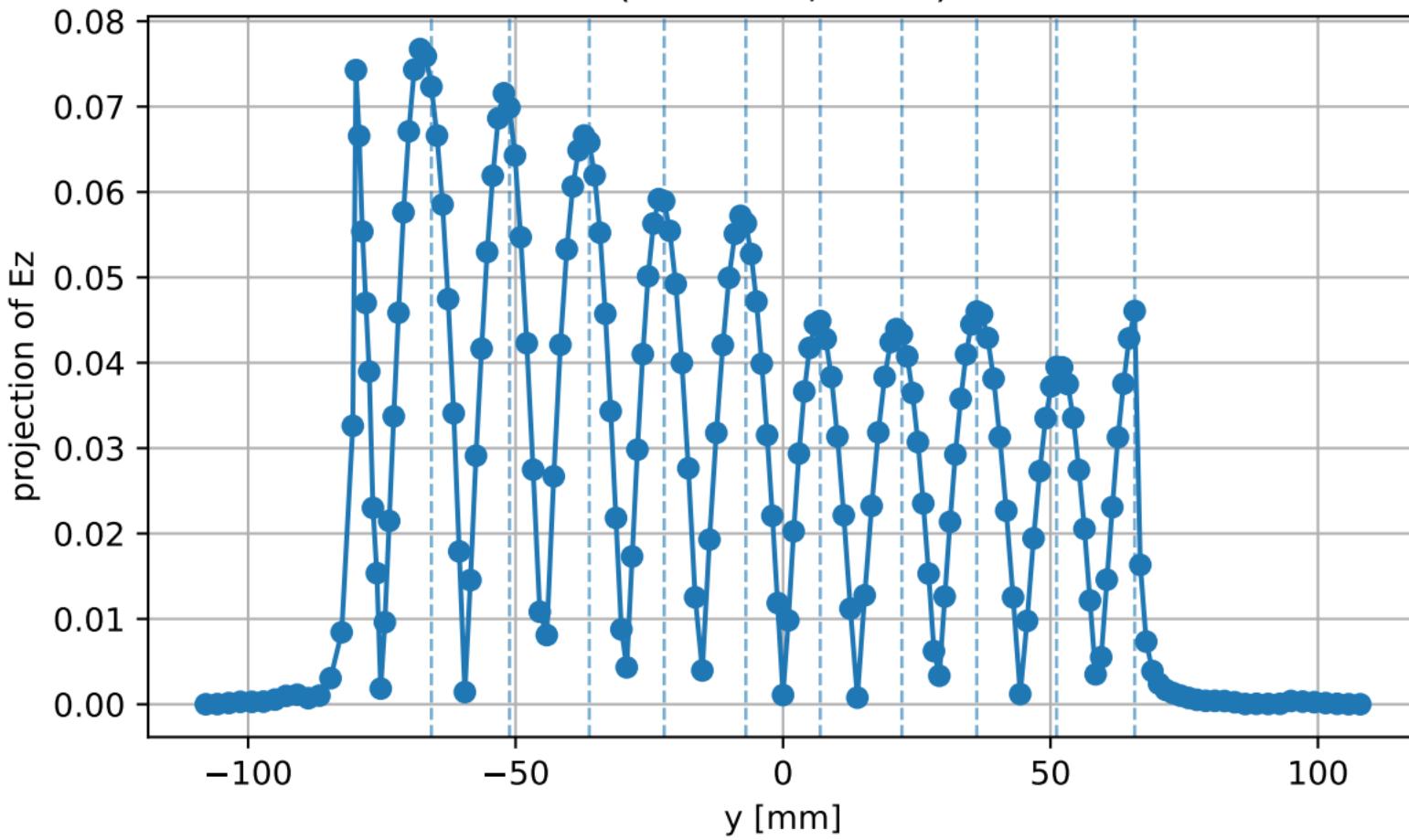
- S11 (Patch W=22.00 mm, L=13.90 mm)
- 5.80 GHz, $S_{11}=0.137+0.046j$, $R=65.59+6.20j$, $G_{norm}=0.76-0.07j$
- 5.81 GHz, $S_{11}=0.118-0.040j$, $R=63.14-5.14j$, $G_{2norm}=0.79+0.06j$



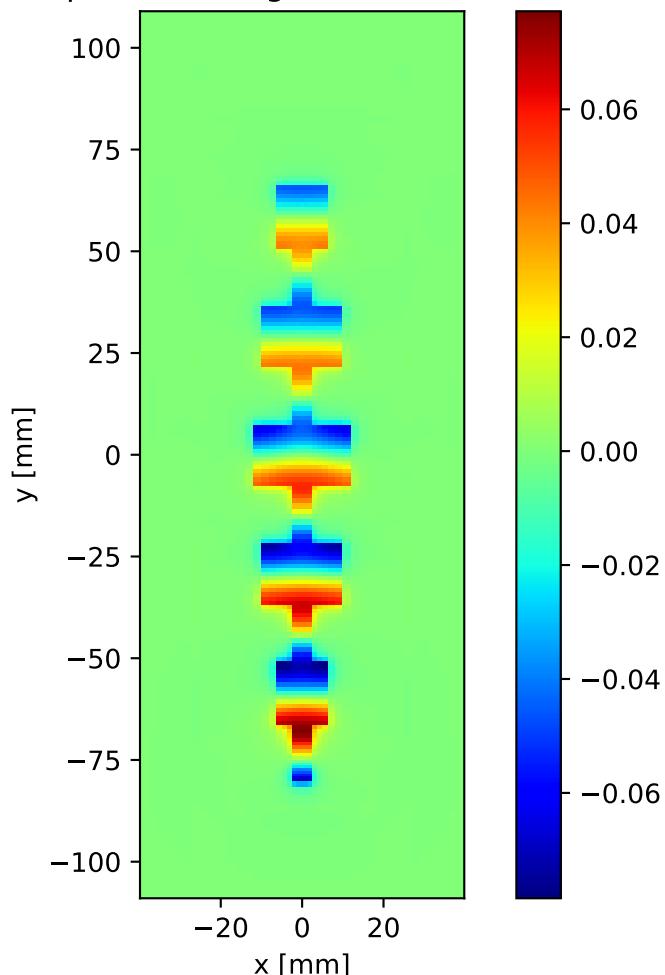
$|E_z|$ slice at $z = 0.76$ mm (idx 26)



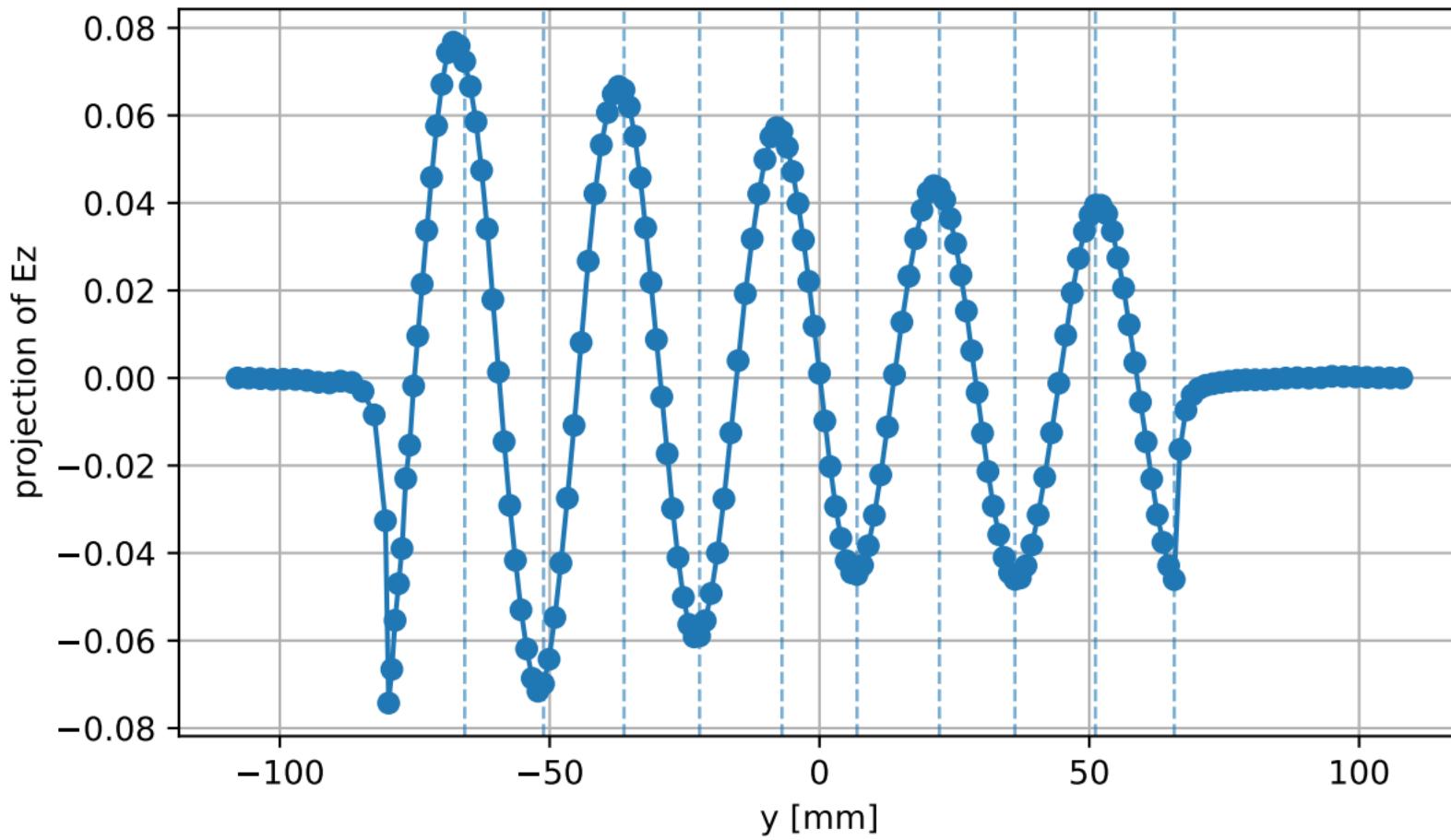
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=21, z=26$)



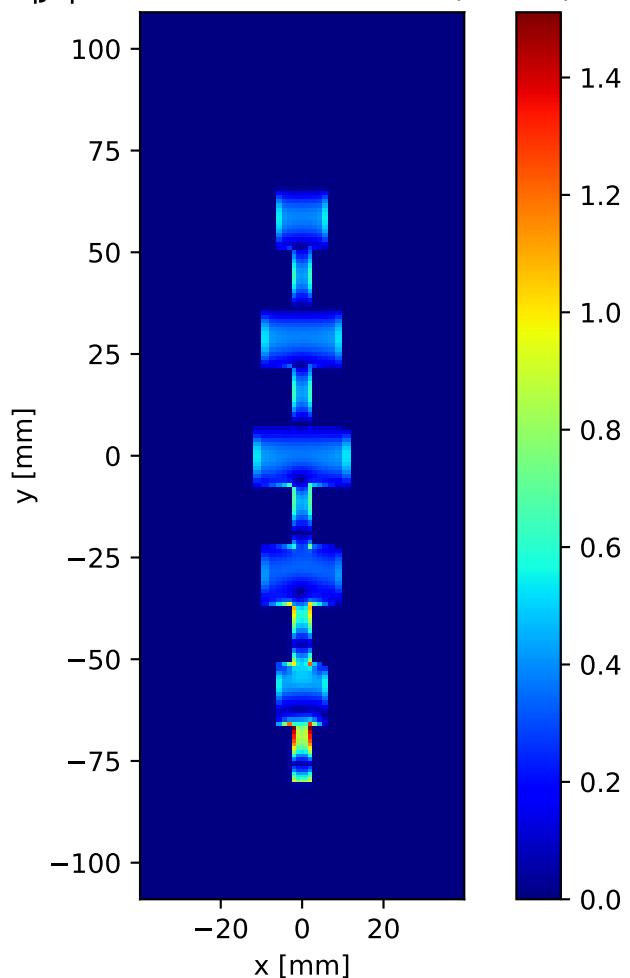
Ez snapshot (dphi=-0.40deg) slice at z = 0.76 mm (idx 26)



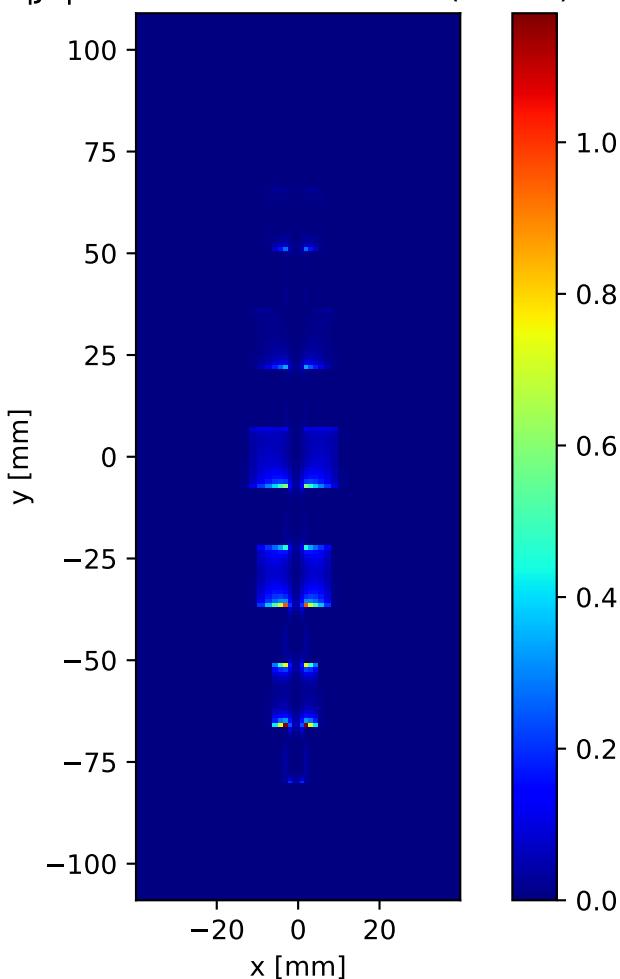
Ez snapshot (dphi=-0.40deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=21, z=26)



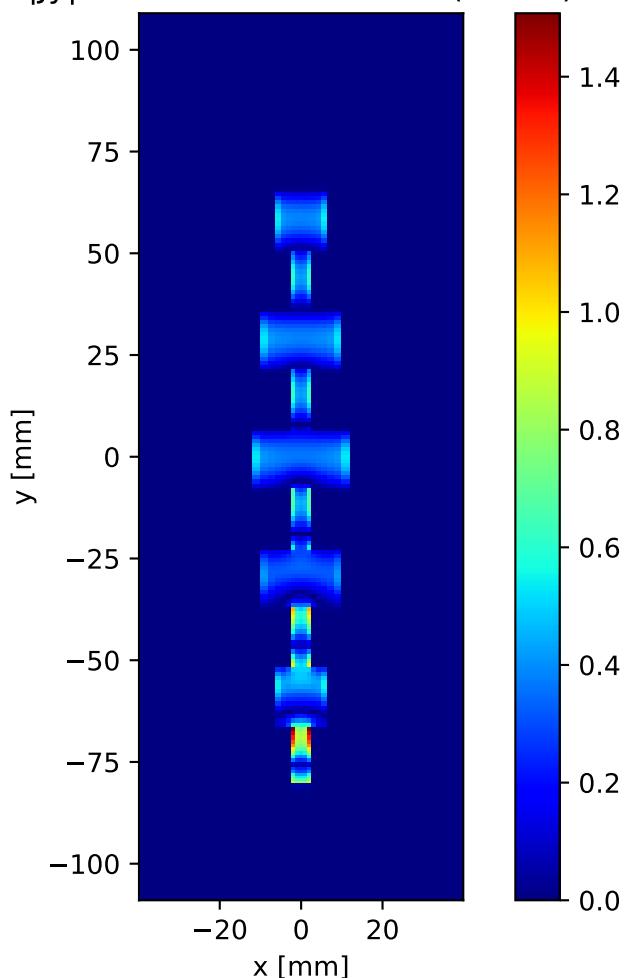
$|J_s|$ slice at $z = 1.524$ mm (idx 28)



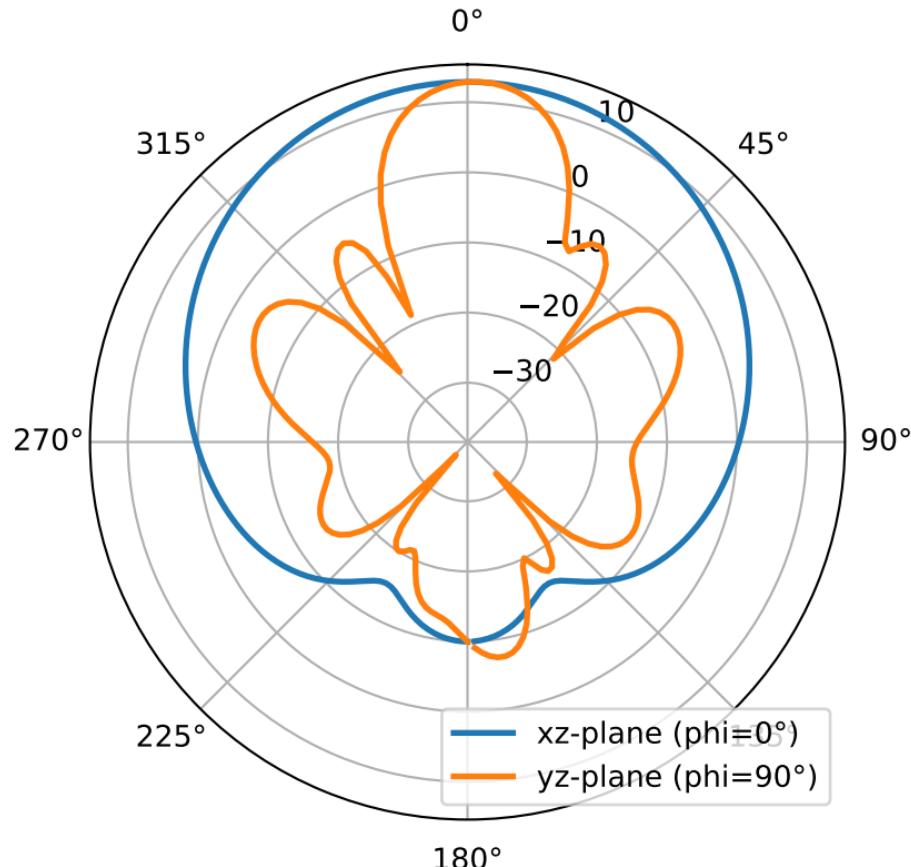
$|J_x|$ slice at $z = 1.524$ mm (idx 28)



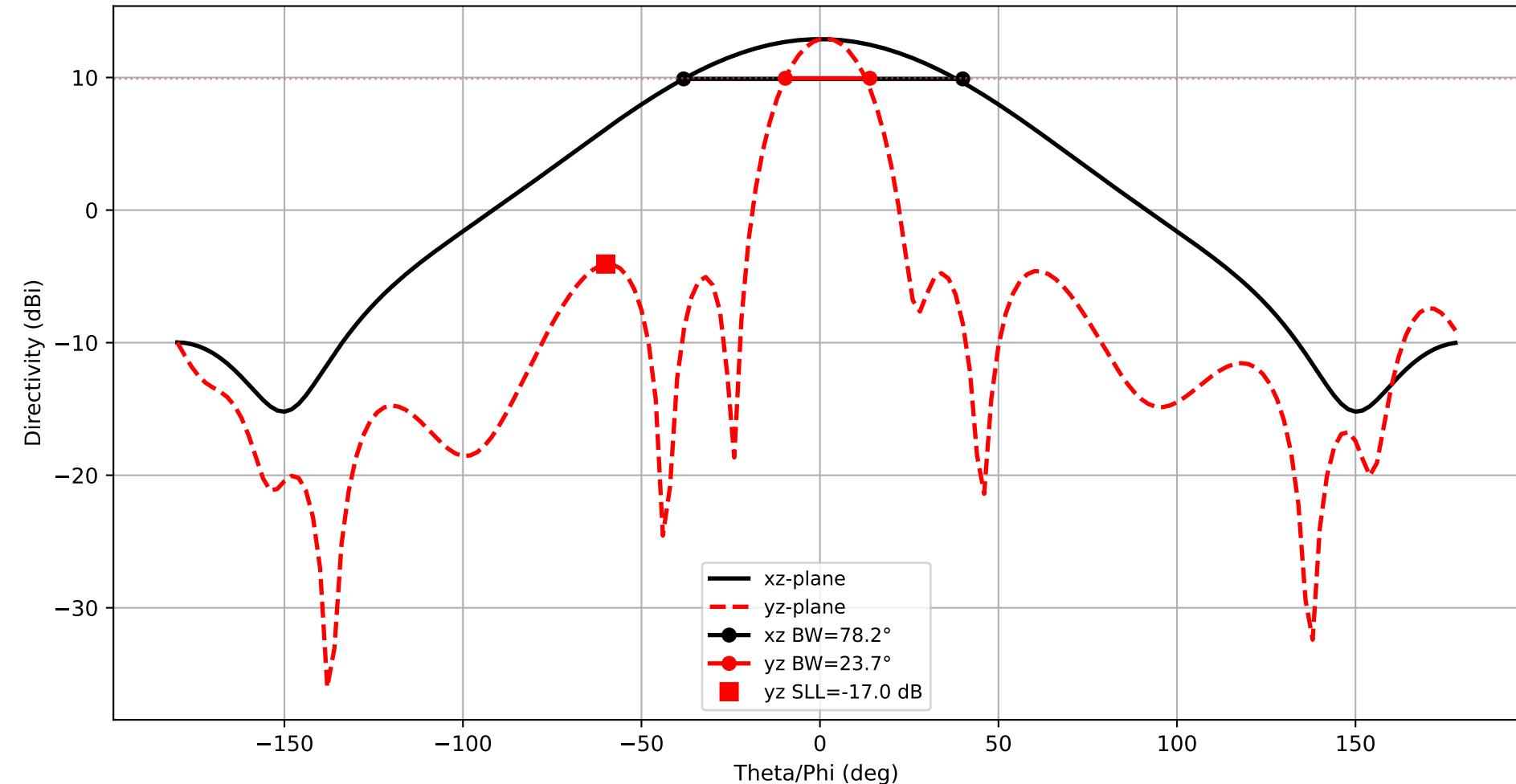
$|J_y|$ slice at $z = 1.524$ mm (idx 28)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 12.94 \text{ dB}$, nf2ff $D_{\max} = 12.94 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=78.2°
yz-plane: HPBW=23.7°



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\max} = 12.90 \text{ dBi}$

