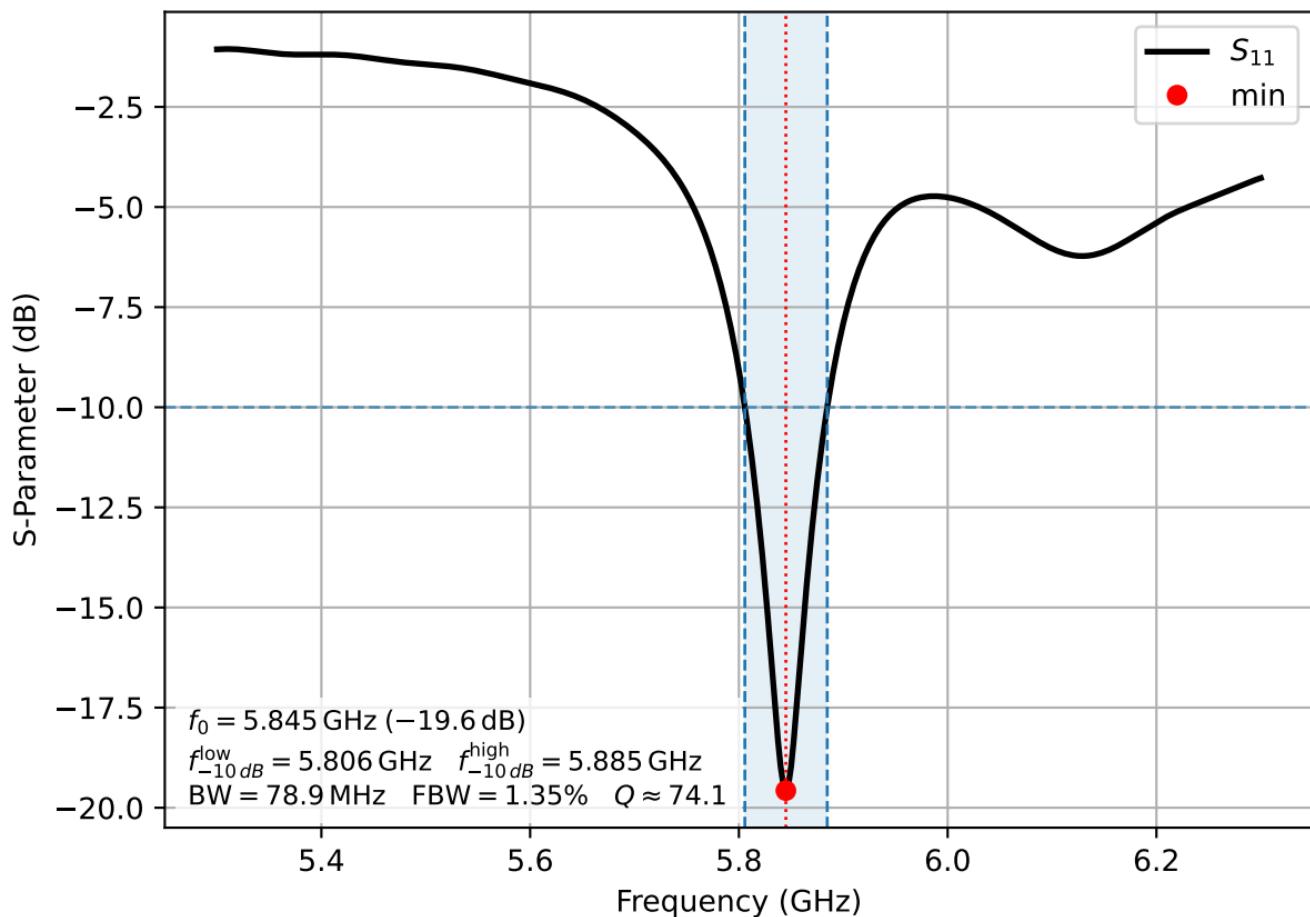
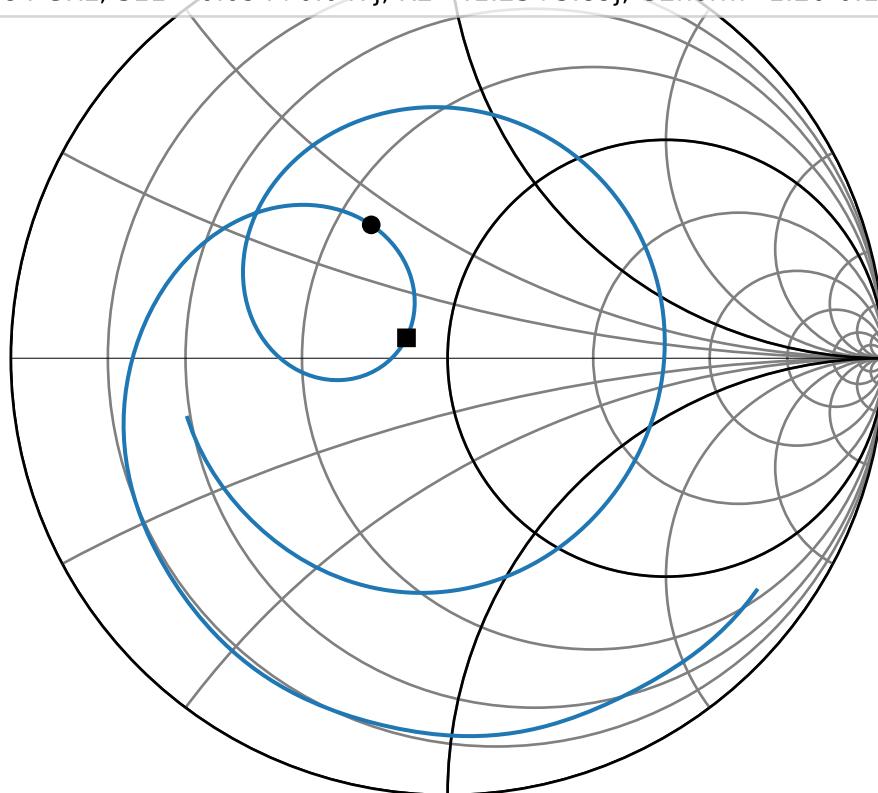


Reflection Coefficient S_{11}

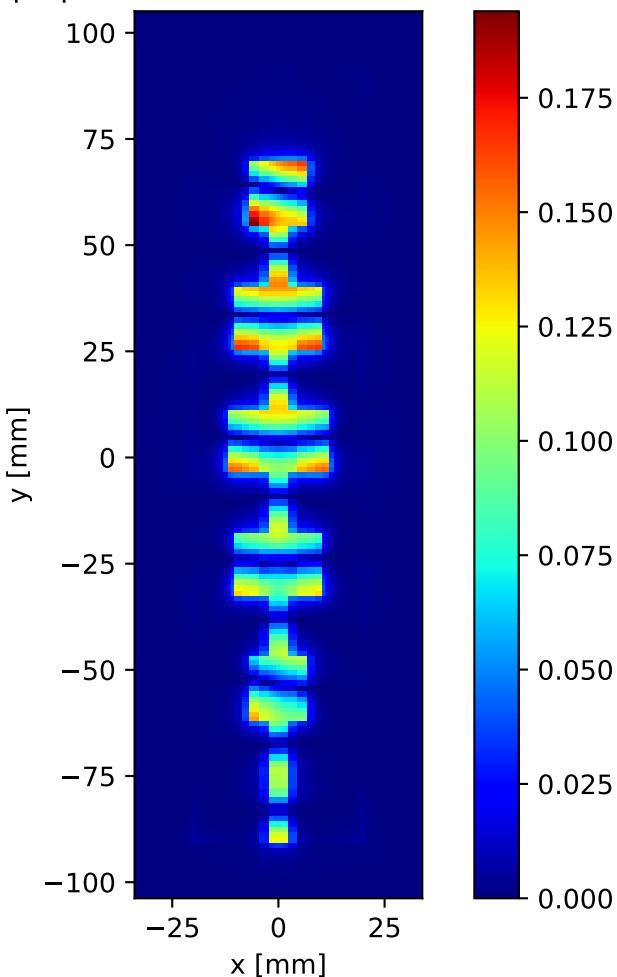


Smith Chart

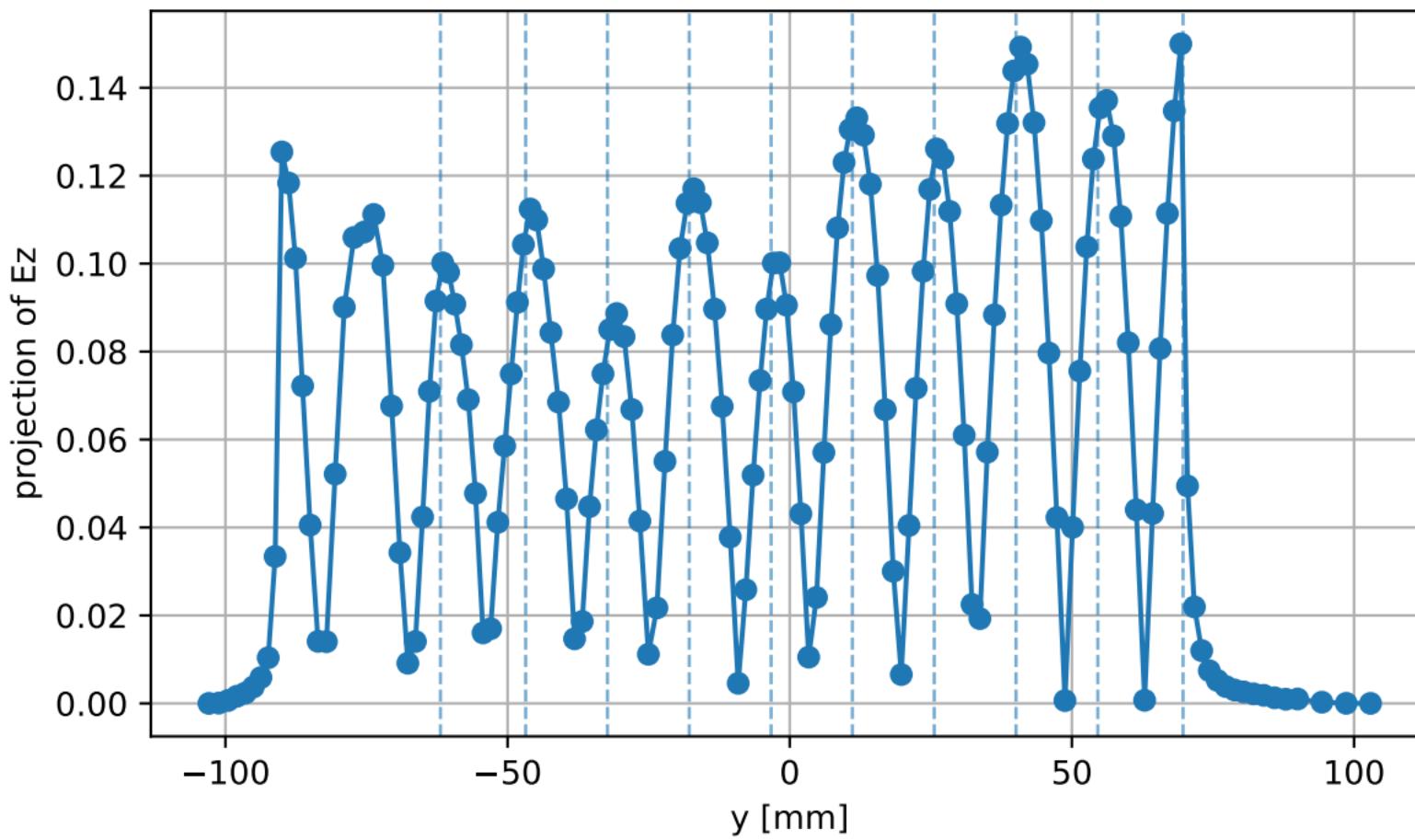
- S11 (Patch W=23.40 mm, L=14.40 mm)
- 5.80 GHz, $S_{11} = -0.175 + 0.305j$, $R = 29.73 + 20.72j$, $G_{norm} = 1.13 - 0.79j$
- 5.84 GHz, $S_{11} = -0.094 + 0.047j$, $R = 41.23 + 3.89j$, $G2_{norm} = 1.20 - 0.11j$



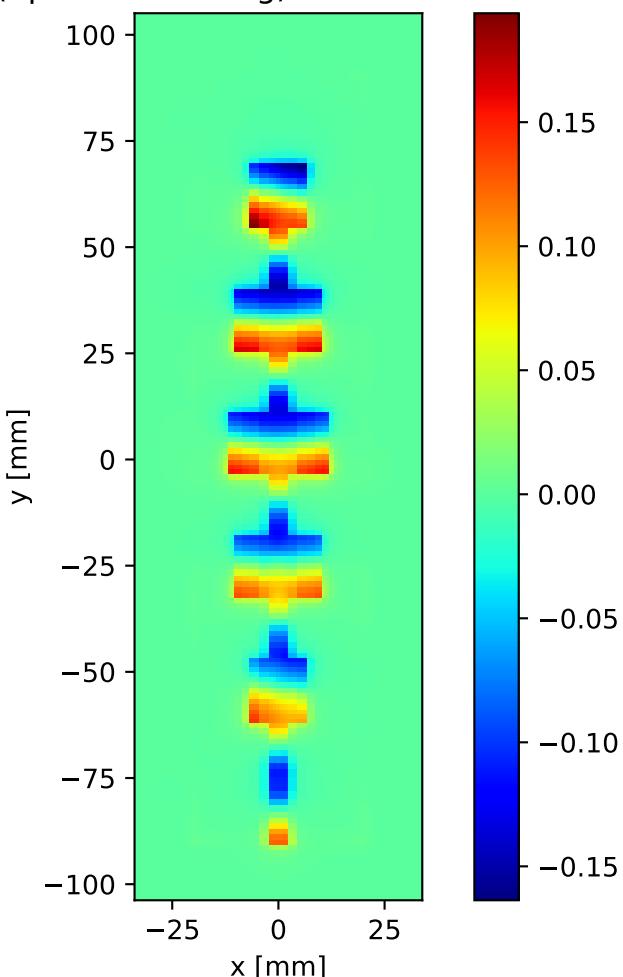
$|E_z|$ slice at $z = 0.76$ mm (idx 26)



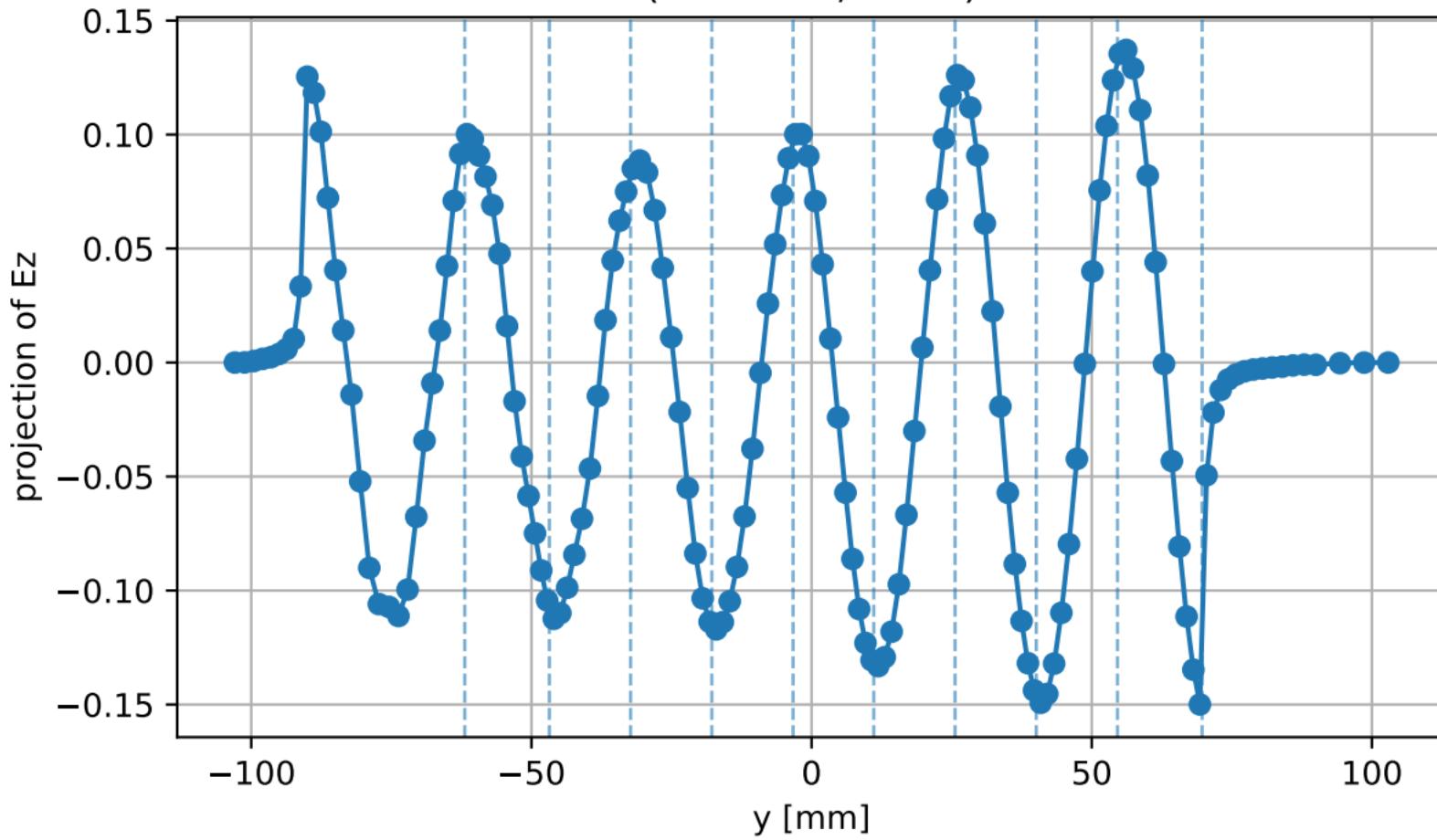
$|E_z|$ line cut along Y at $x=0.95$ mm, $z=0.76$ mm
(idx $x=24$, $z=26$)



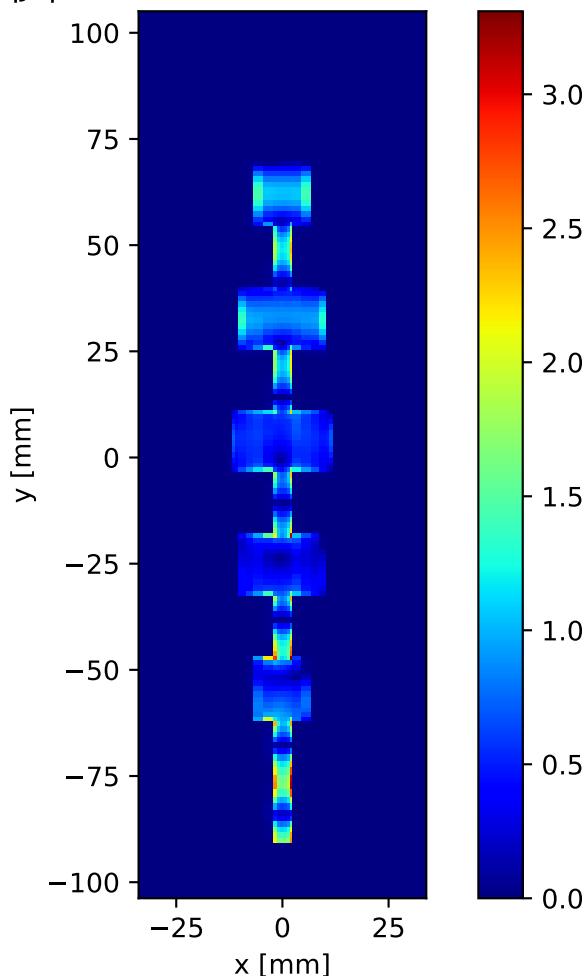
Ez snapshot (dphi=179.68deg) slice at z = 0.76 mm (idx 26)



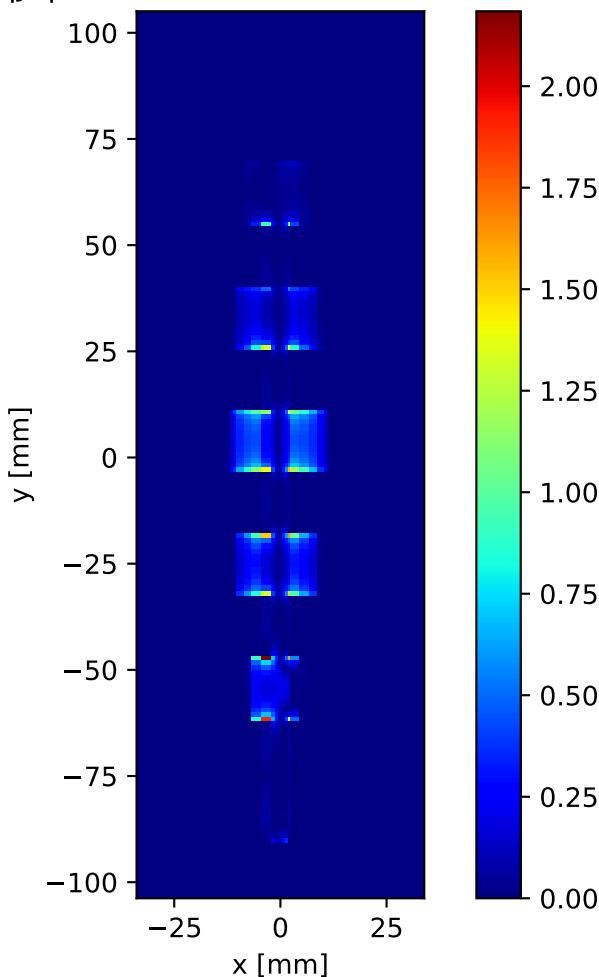
Ez snapshot (dphi=179.68deg) line cut along Y at x=0.95 mm, z=0.76 mm
(idx x=24, z=26)



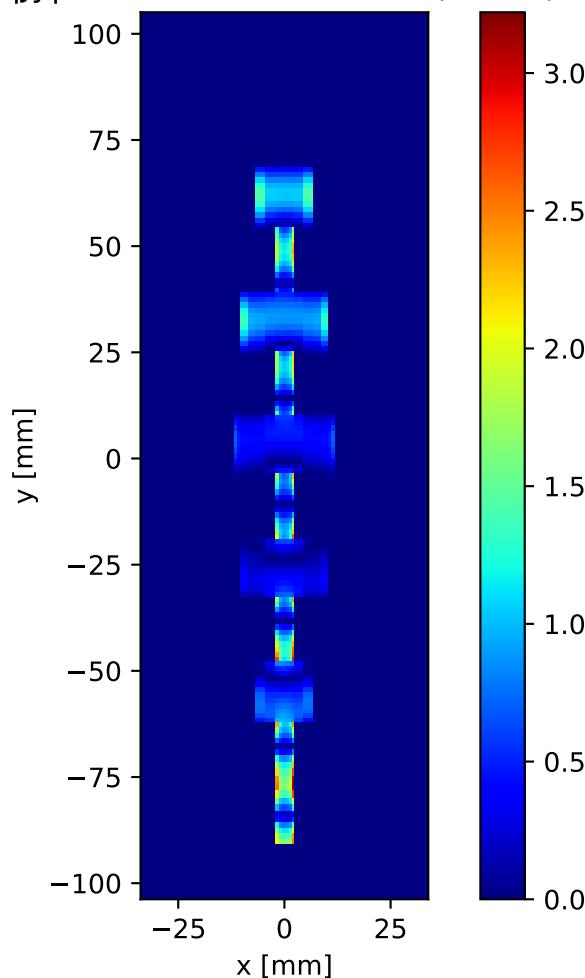
$|J_s|$ slice at $z = 1.524$ mm (idx 28)



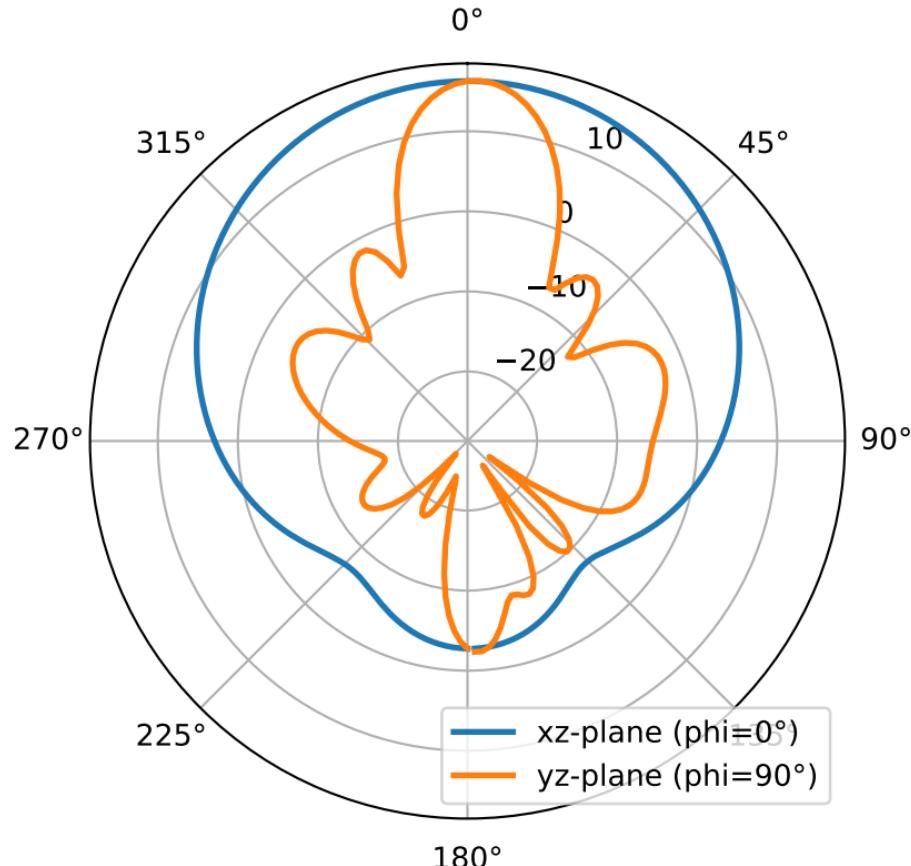
$|J_x|$ slice at $z = 1.524$ mm (idx 28)



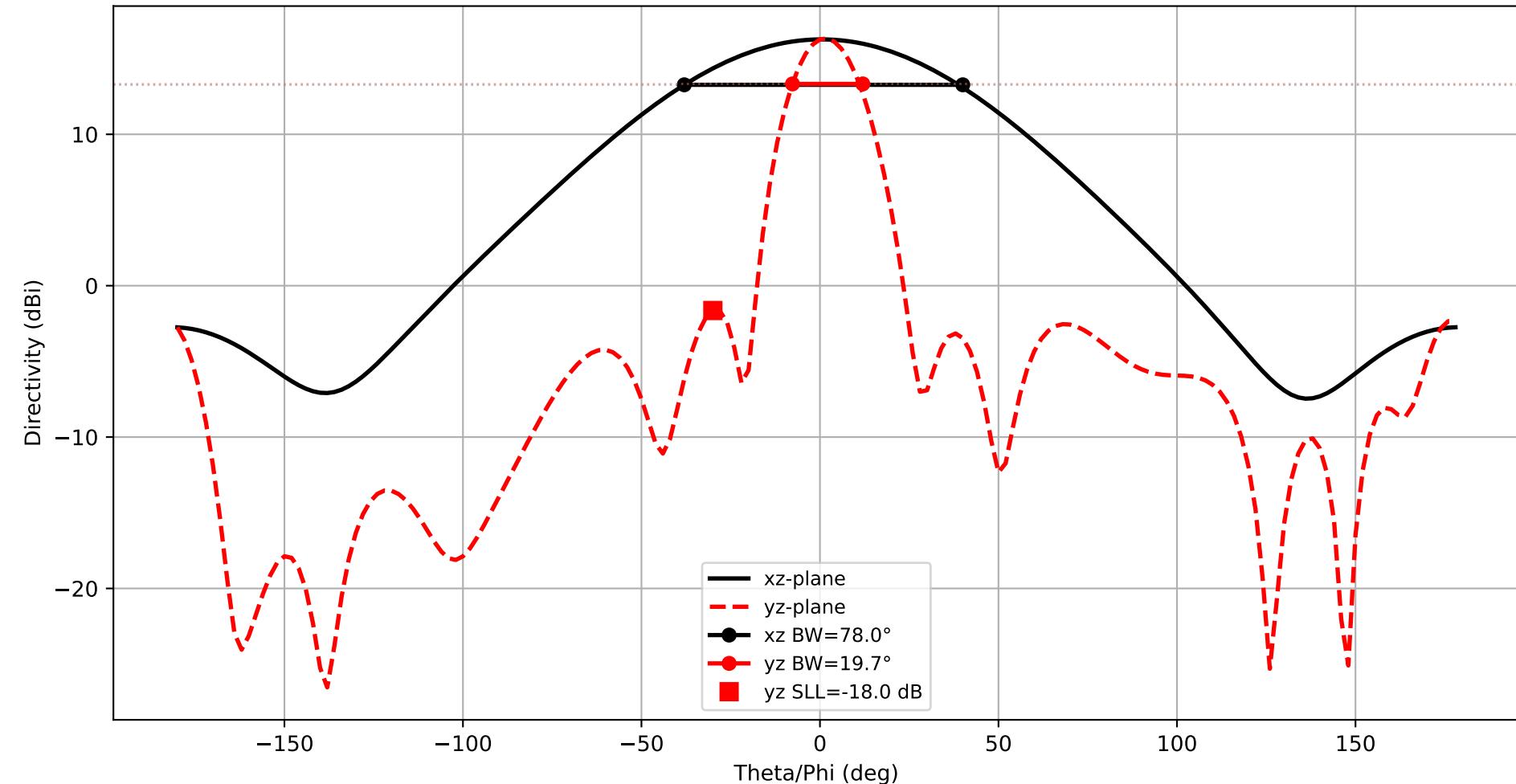
$|J_y|$ slice at $z = 1.524$ mm (idx 28)



$f = 5.800 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 16.33 \text{ dB}$, nf2ff $D_{\max} = 16.33 \text{ dB}$



Frequency: 5.800 GHz
xz-plane: HPBW=78.0°
yz-plane: HPBW=19.7°



3D Directivity Pattern
 $f = 5.800 \text{ GHz}$, $D_{\max} = 16.30 \text{ dBi}$

