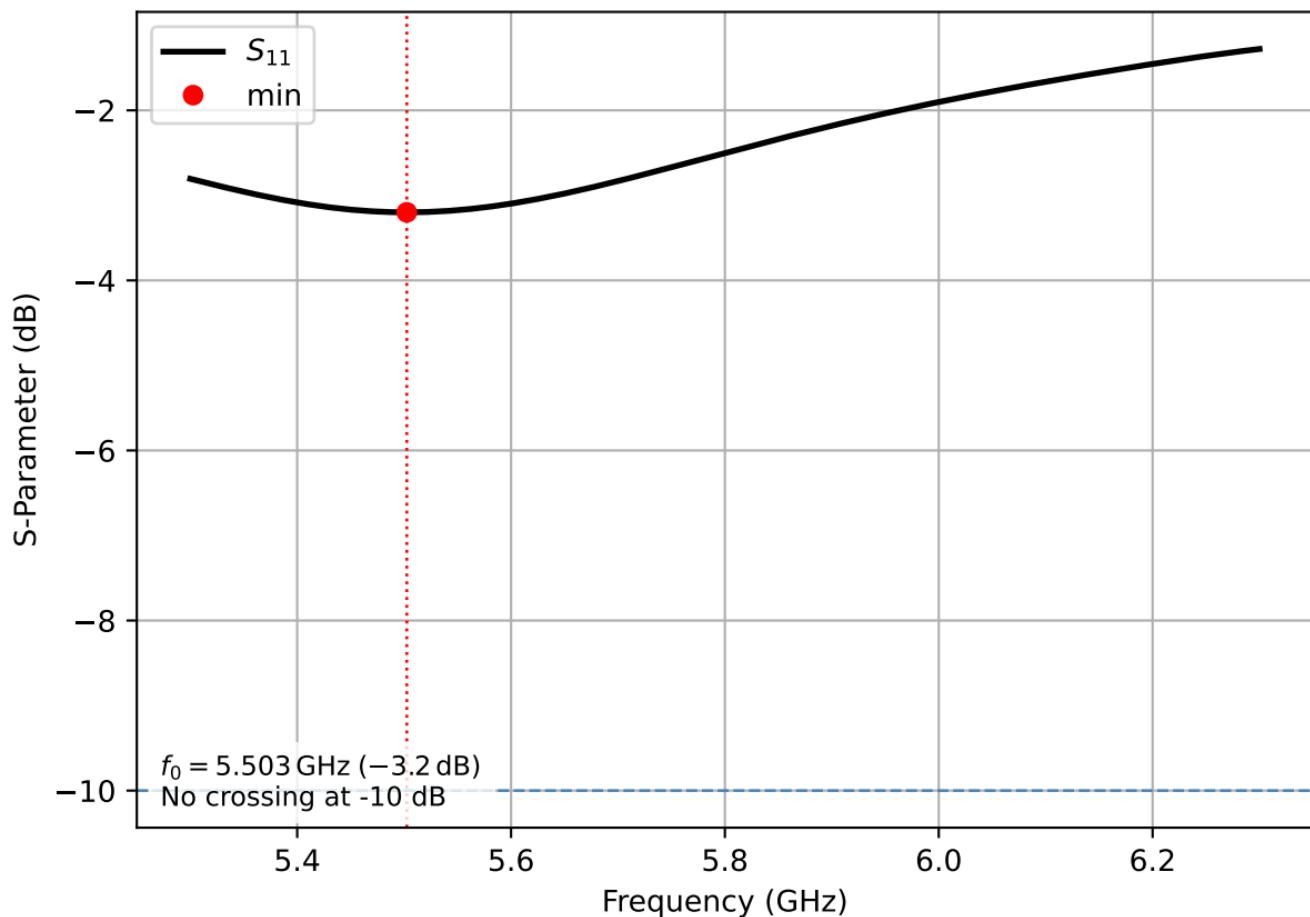
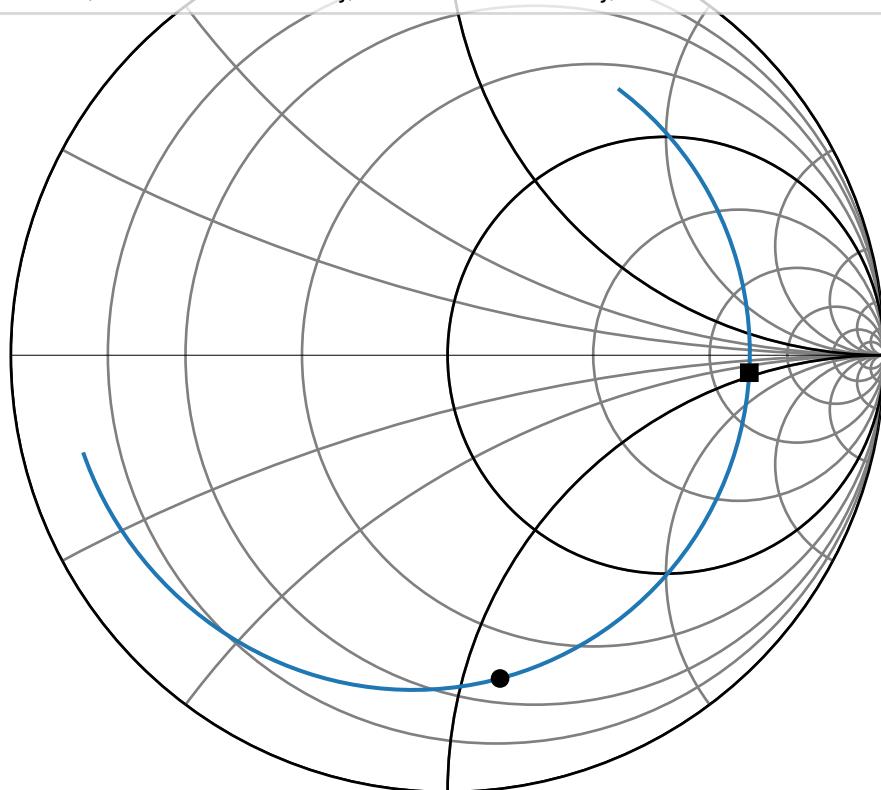


Reflection Coefficient S_{11}

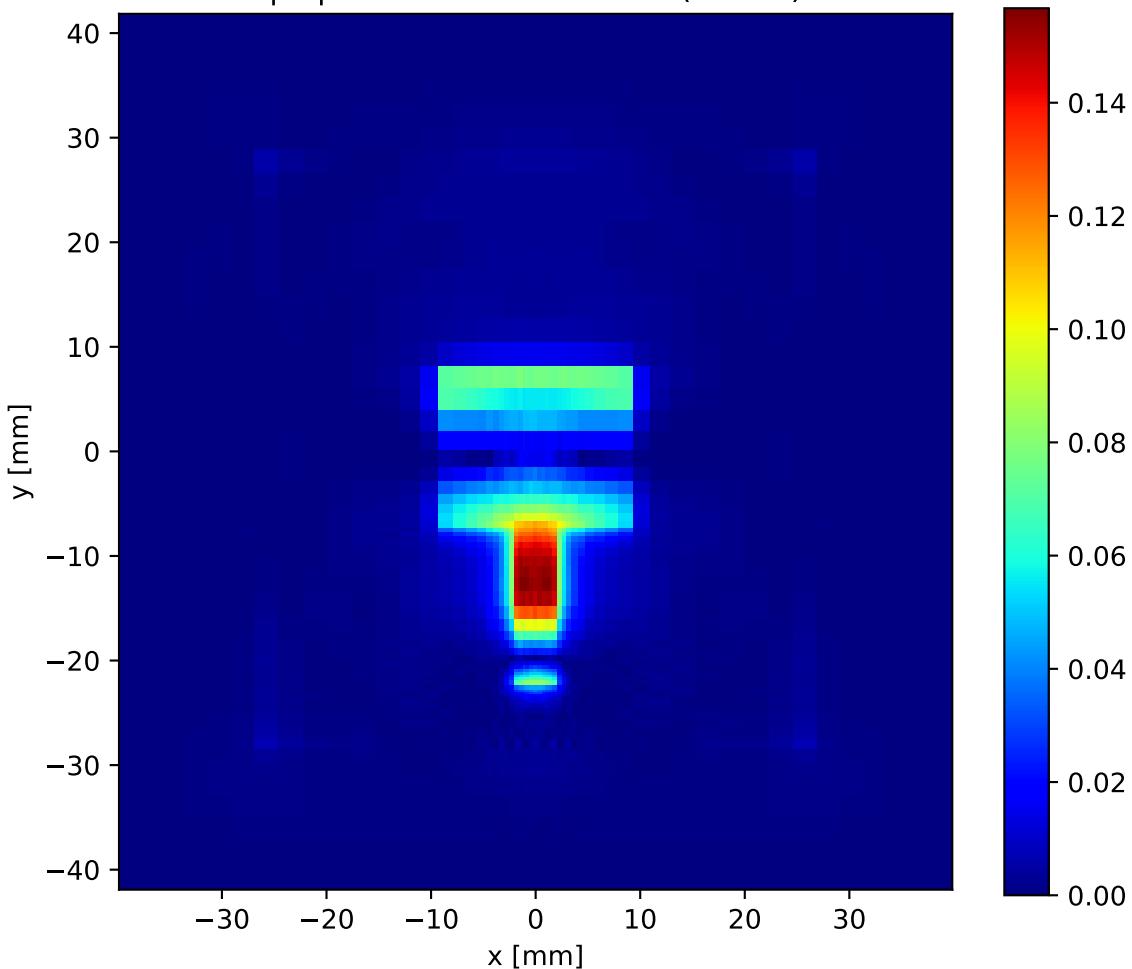


Smith Chart

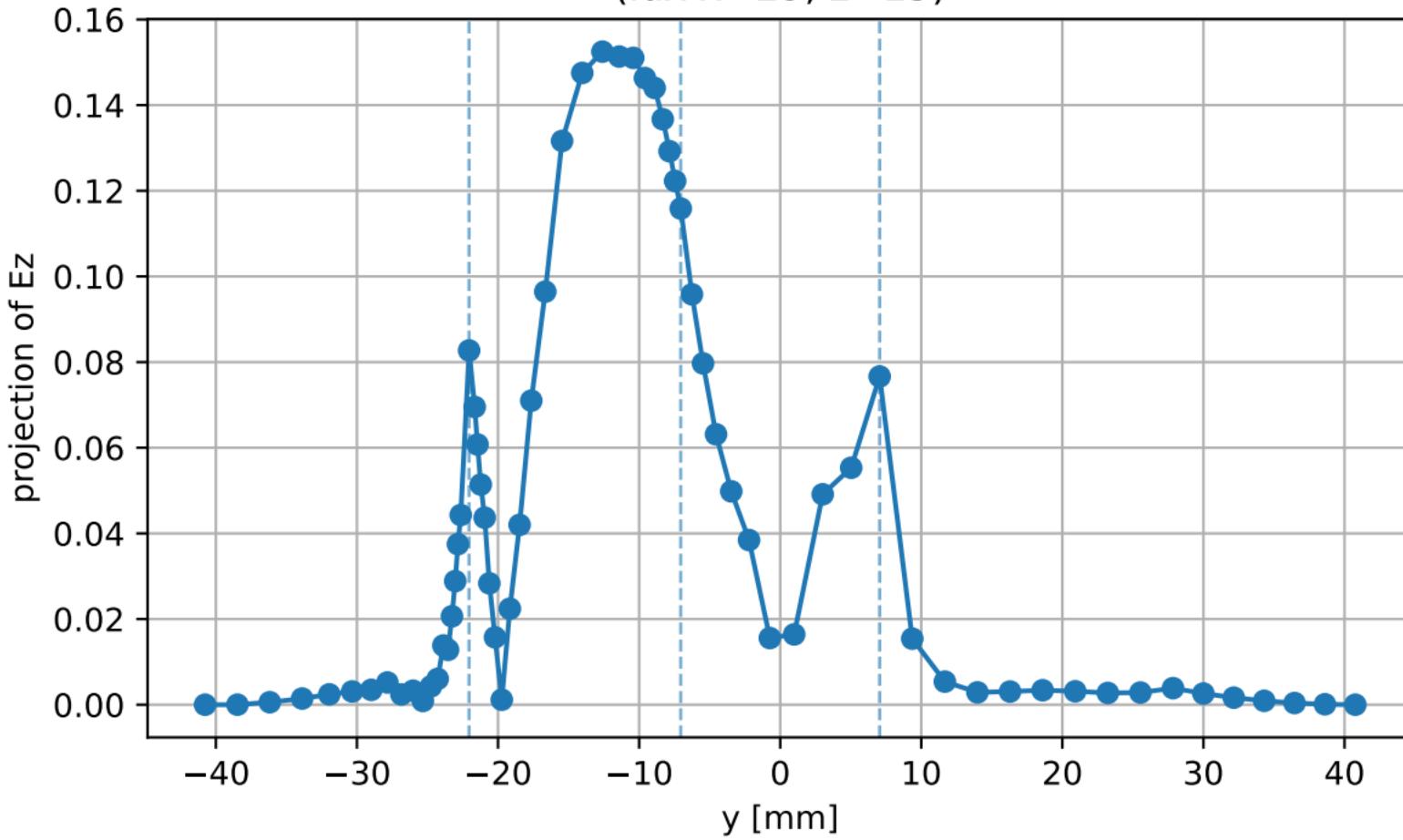
- S11 (Patch W=17.10 mm, L=14.10 mm)
- 5.80 GHz, $S_{11}=0.120-0.740j$, $R=16.56-55.99j$, $G_{norm}=0.24+0.82j$
 - 5.50 GHz, $S_{11}=0.691-0.040j$, $R=268.02-41.08j$, $G_{2norm}=0.18+0.03j$



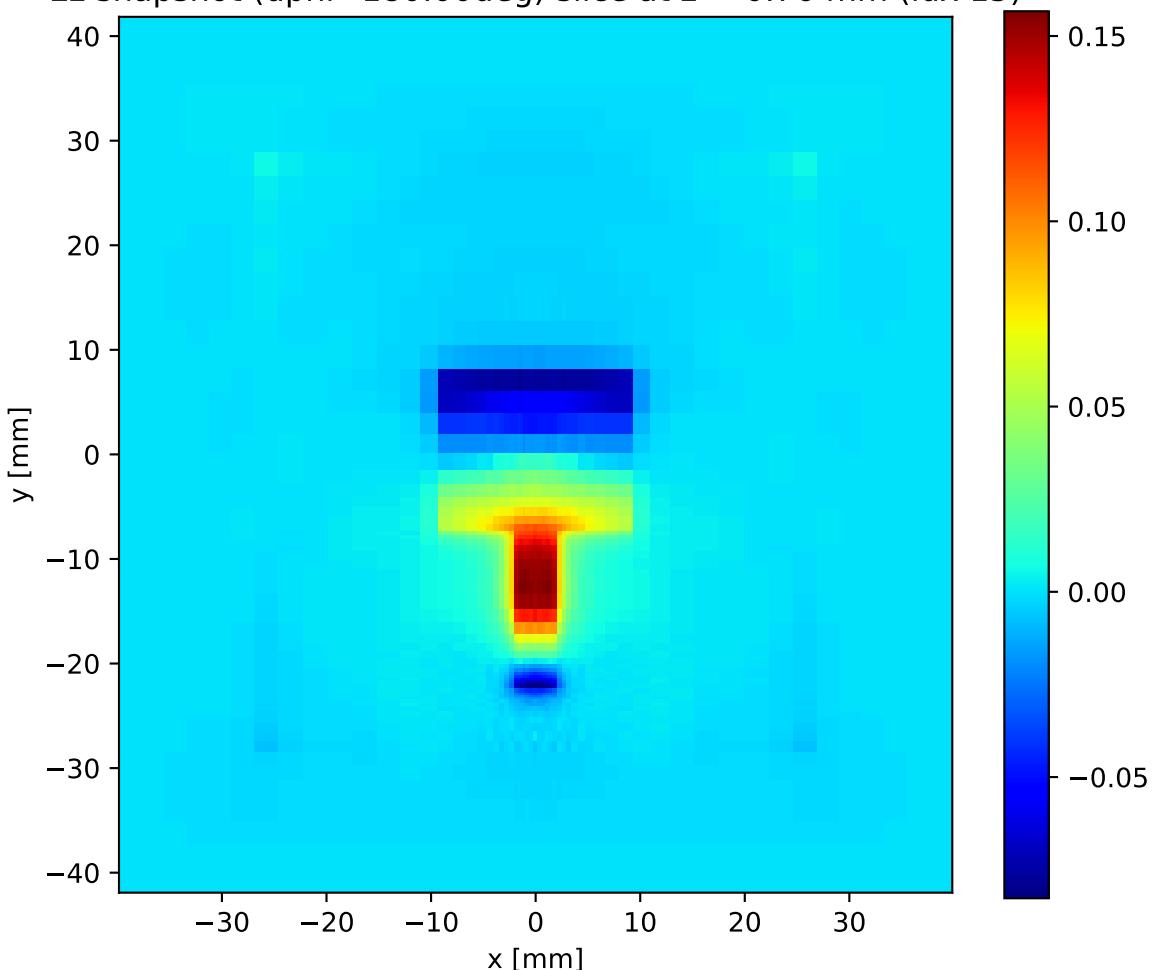
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



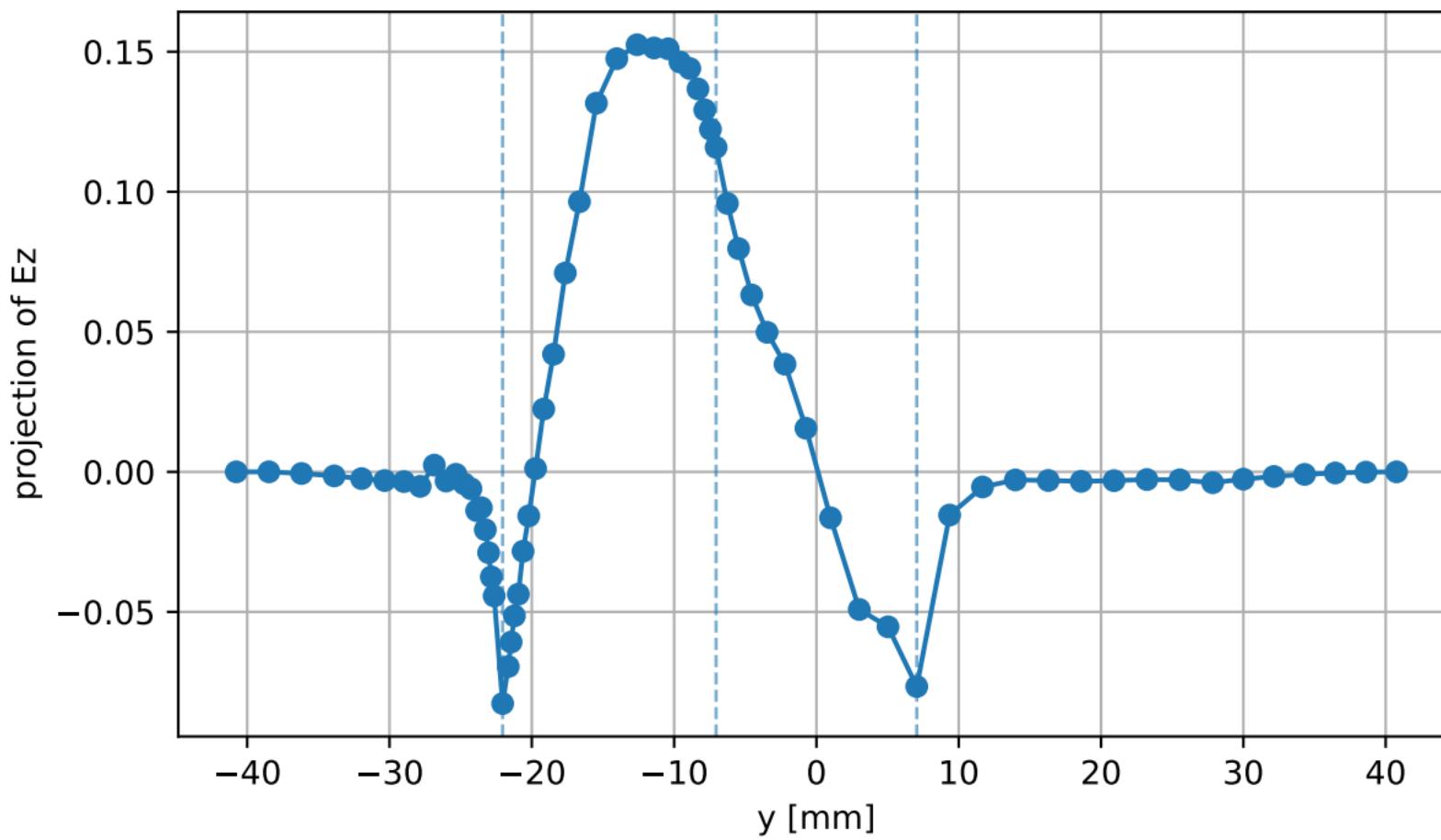
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=29, z=15$)



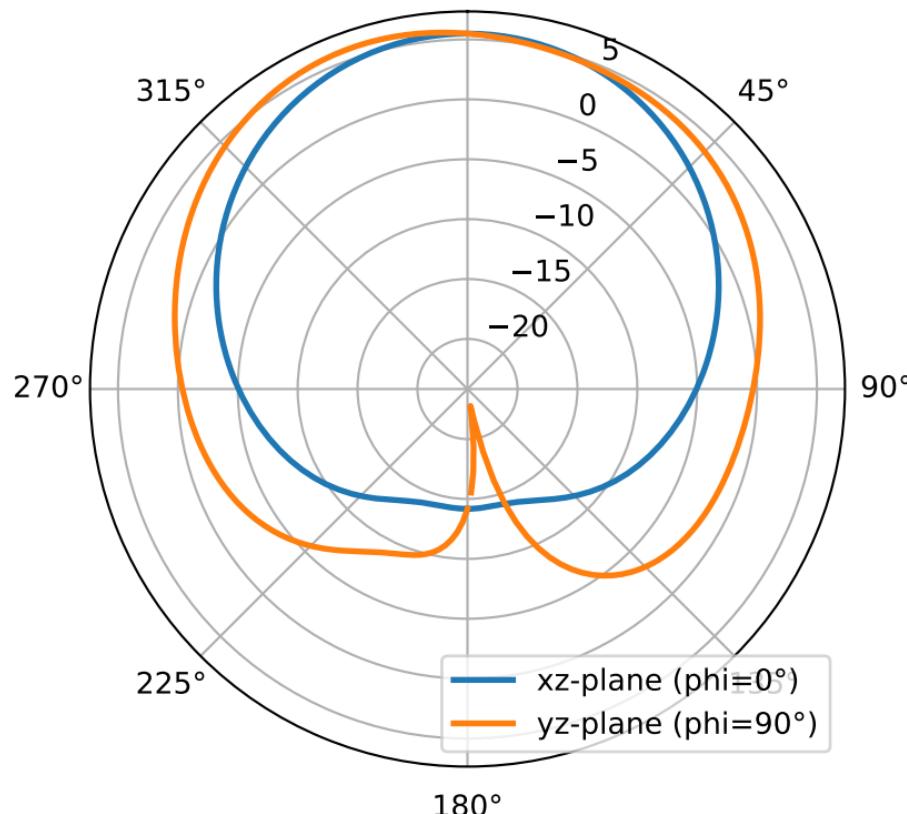
Ez snapshot (dphi=180.00deg) slice at z = 0.76 mm (idx 15)



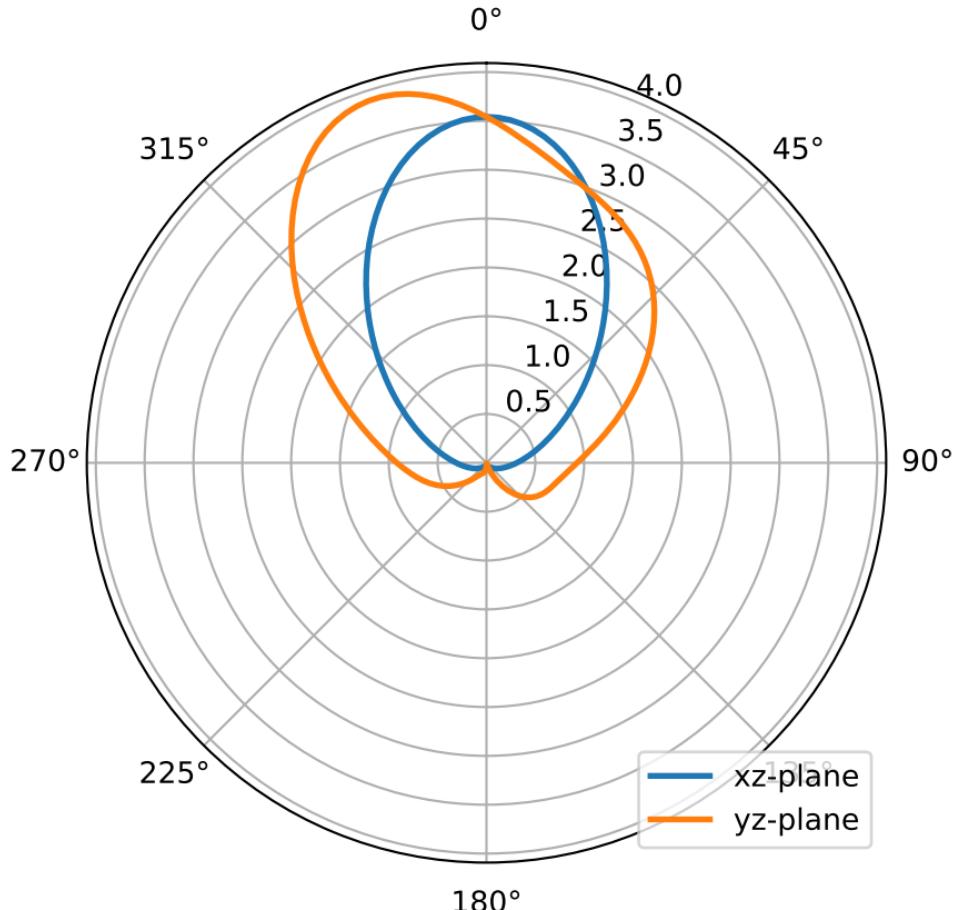
Ez snapshot (dphi=180.00deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=29, z=15)



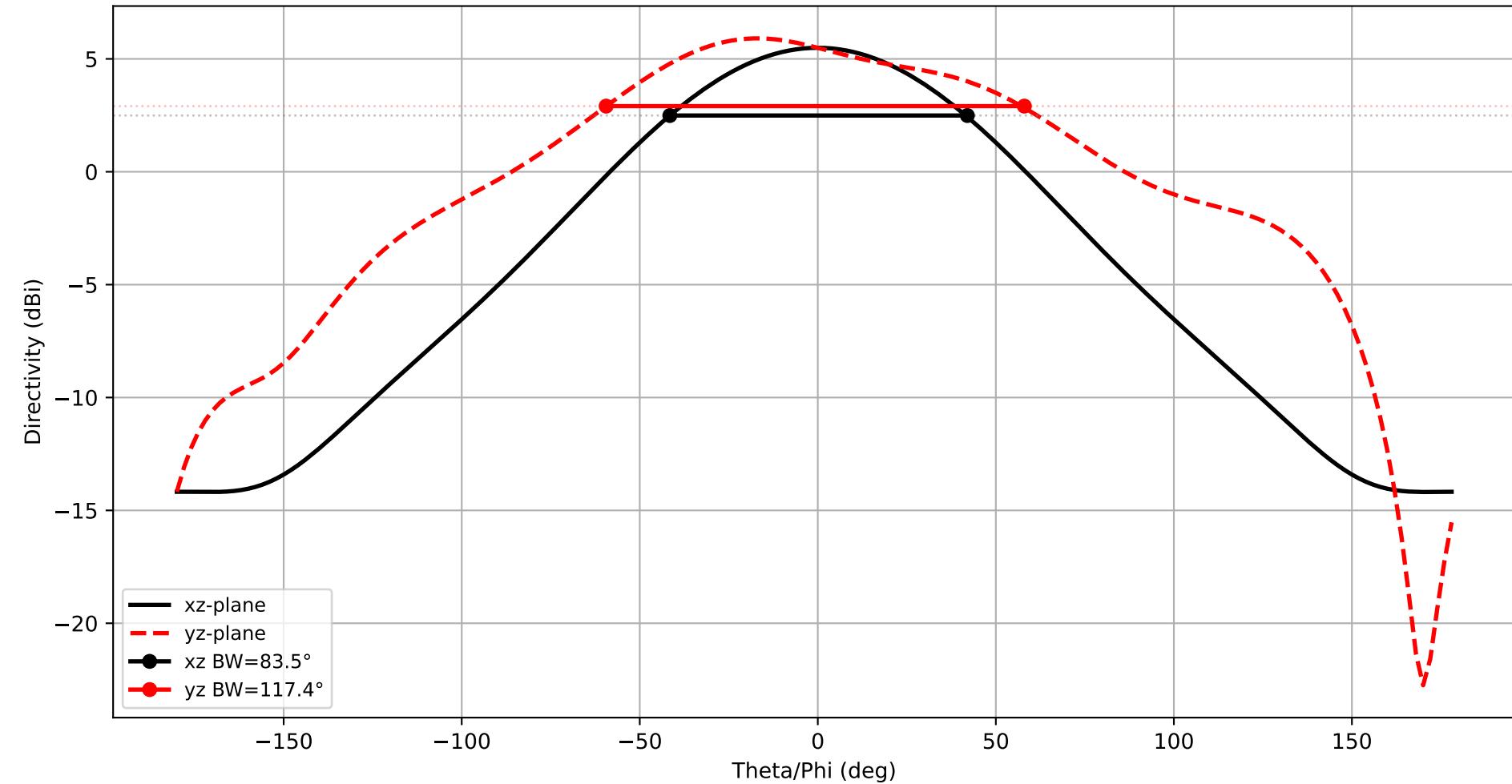
$f = 5.503 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 5.91 \text{ dB}$, nf2ff $D_{\max} = 5.91 \text{ dB}$



Frequency: 5.503 GHz — Directivity (linear). Dmax: 3.898



Frequency: 5.503 GHz
xz-plane: HPBW=83.5°
yz-plane: HPBW=117.4°



3D Directivity Pattern
 $f = 5.503$ GHz, $D_{\max} = 5.90$ dBi

