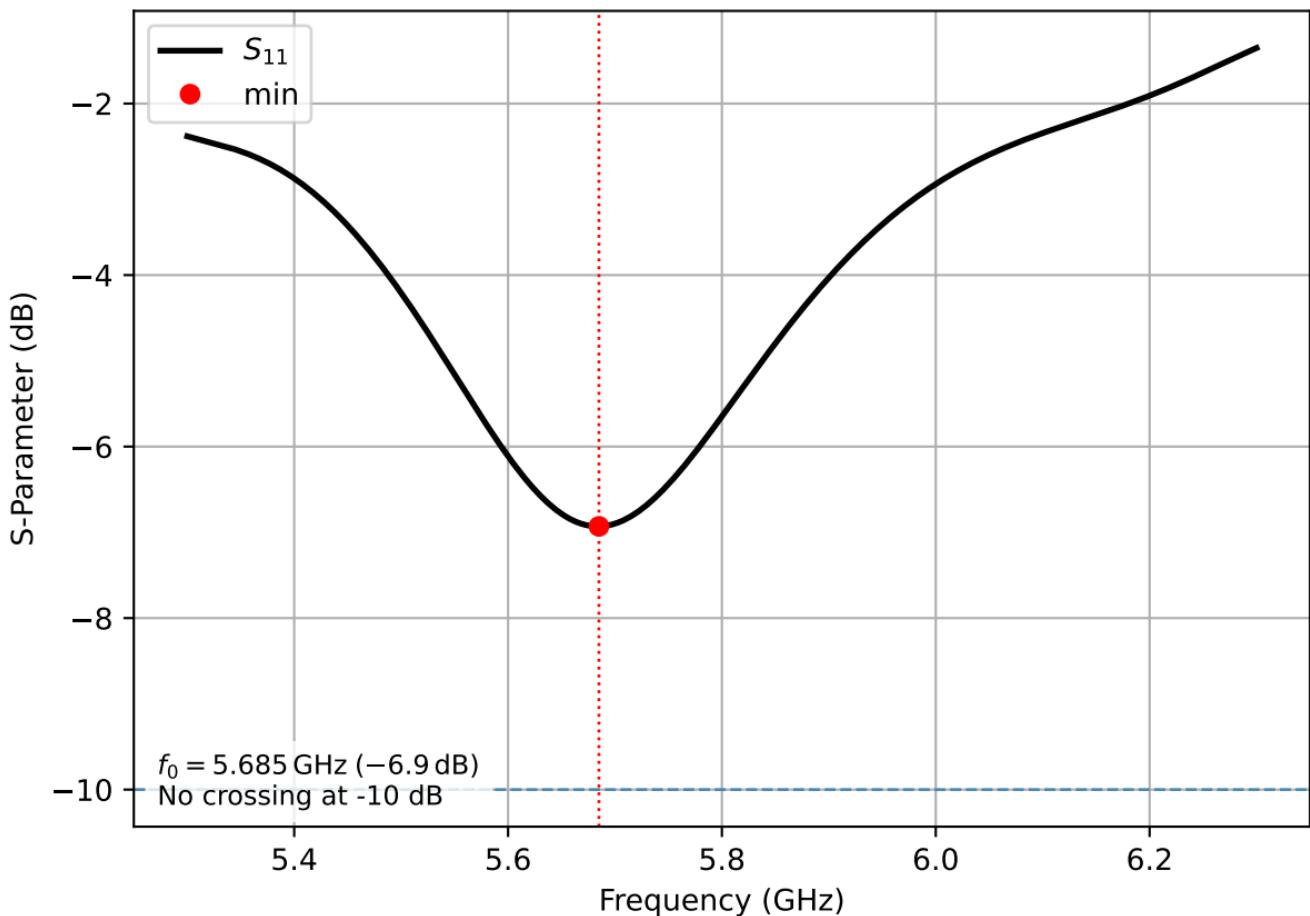
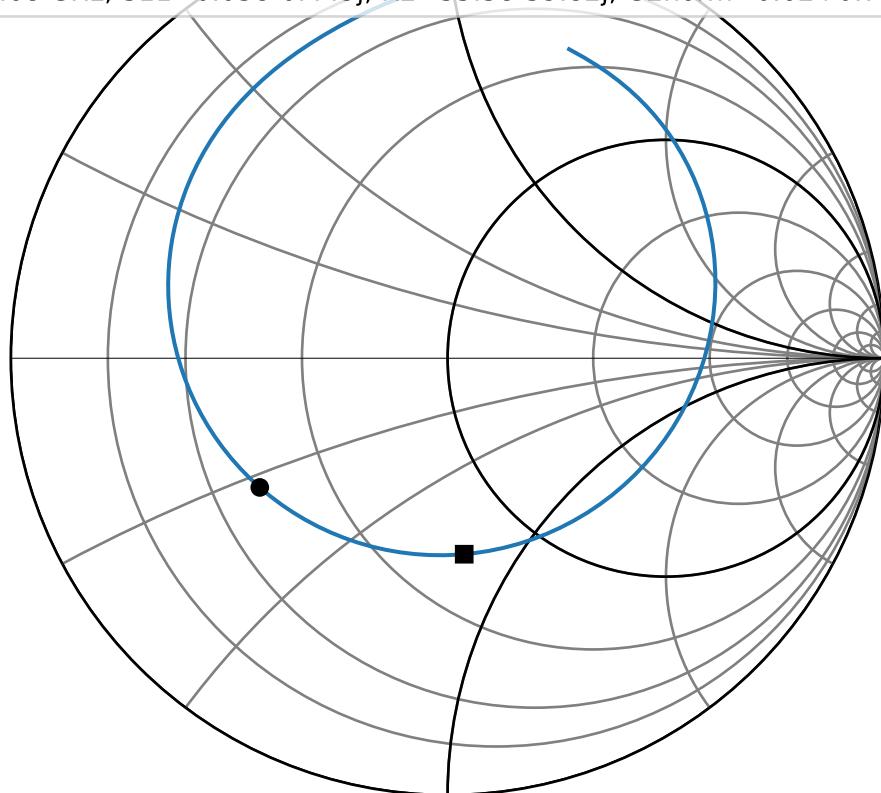


Reflection Coefficient S_{11}

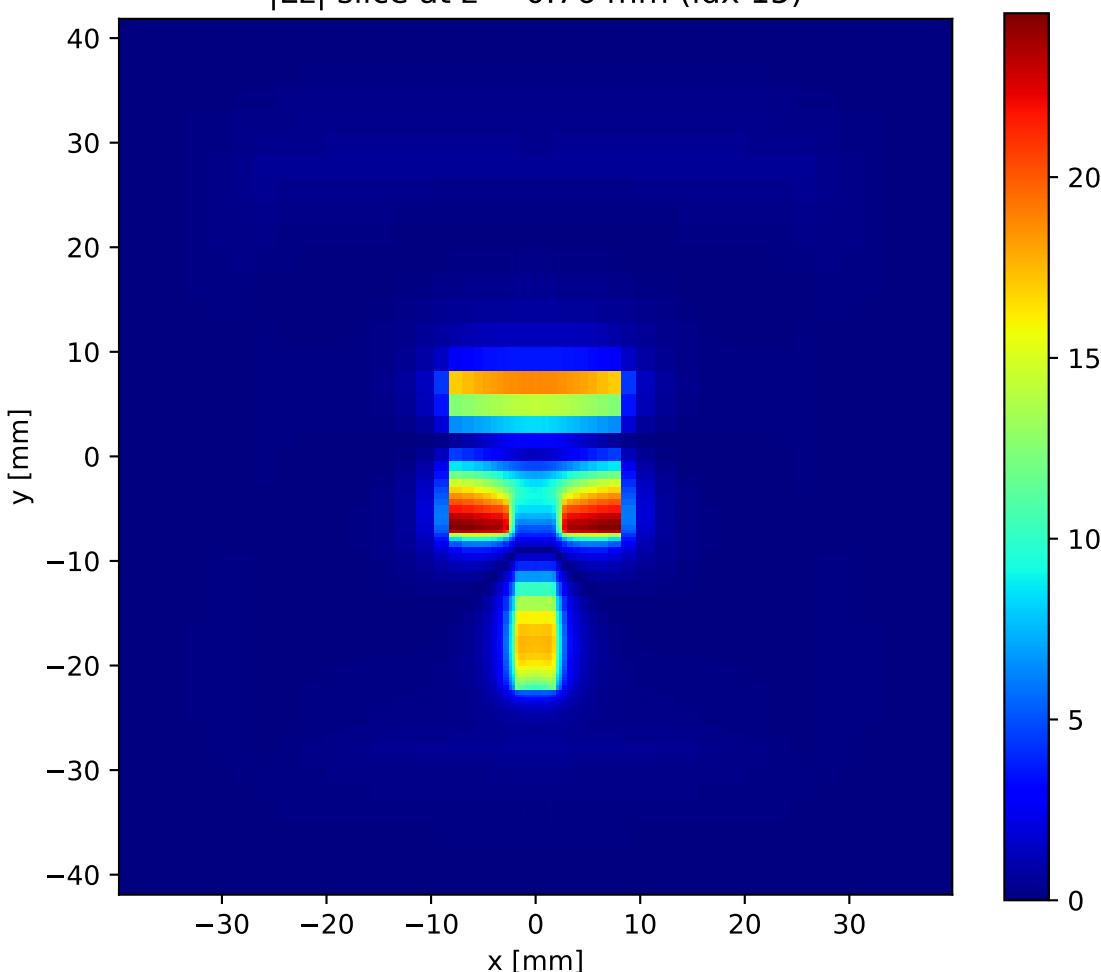


Smith Chart

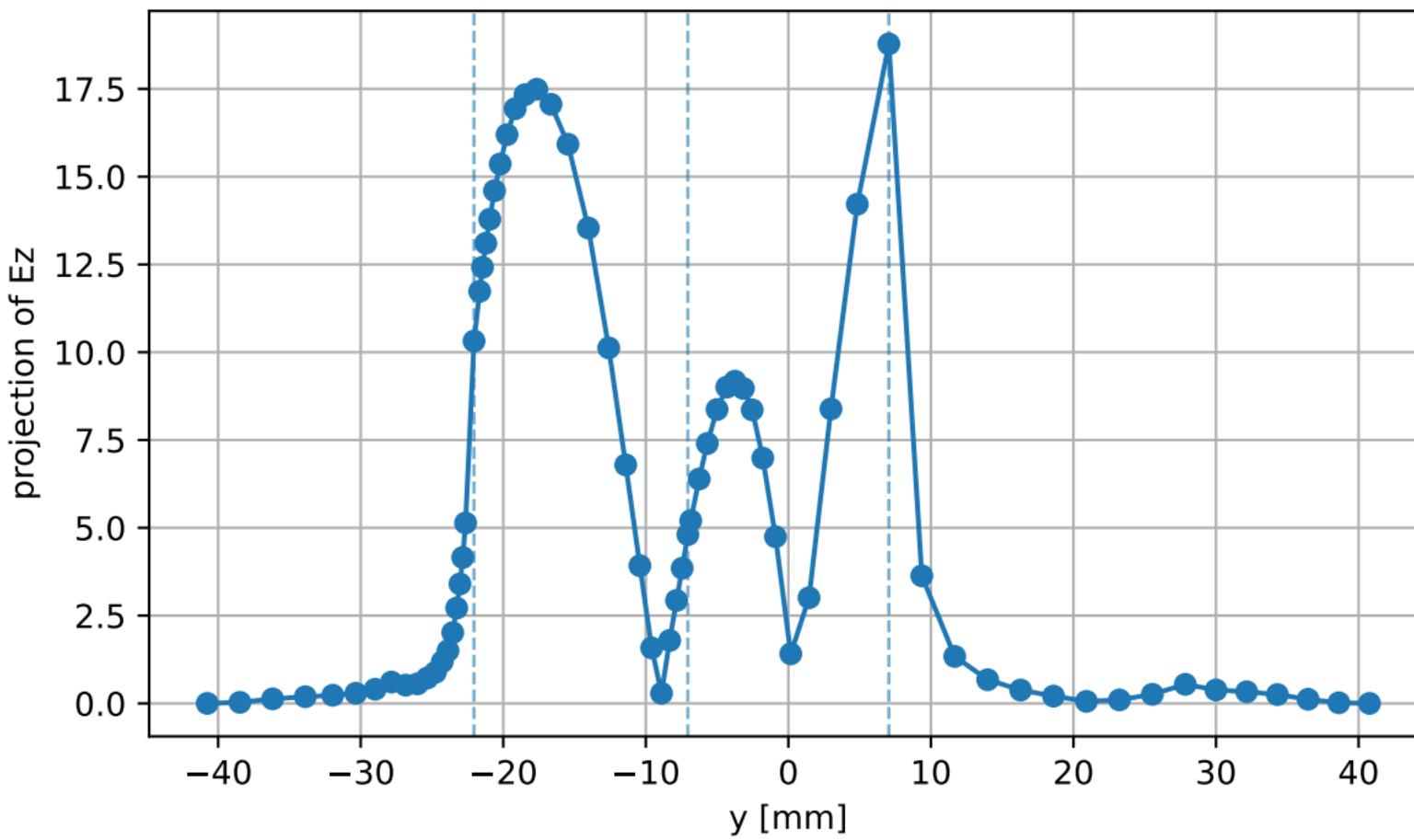
- S11 (Patch W=15.10 mm, L=14.10 mm)
- 5.80 GHz, S11=-0.430-0.296j, R=17.06-13.87j, Gnorm=1.76+1.43j
- 5.68 GHz, S11=0.038-0.449j, R2=35.38-39.82j, G2norm=0.62+0.70j



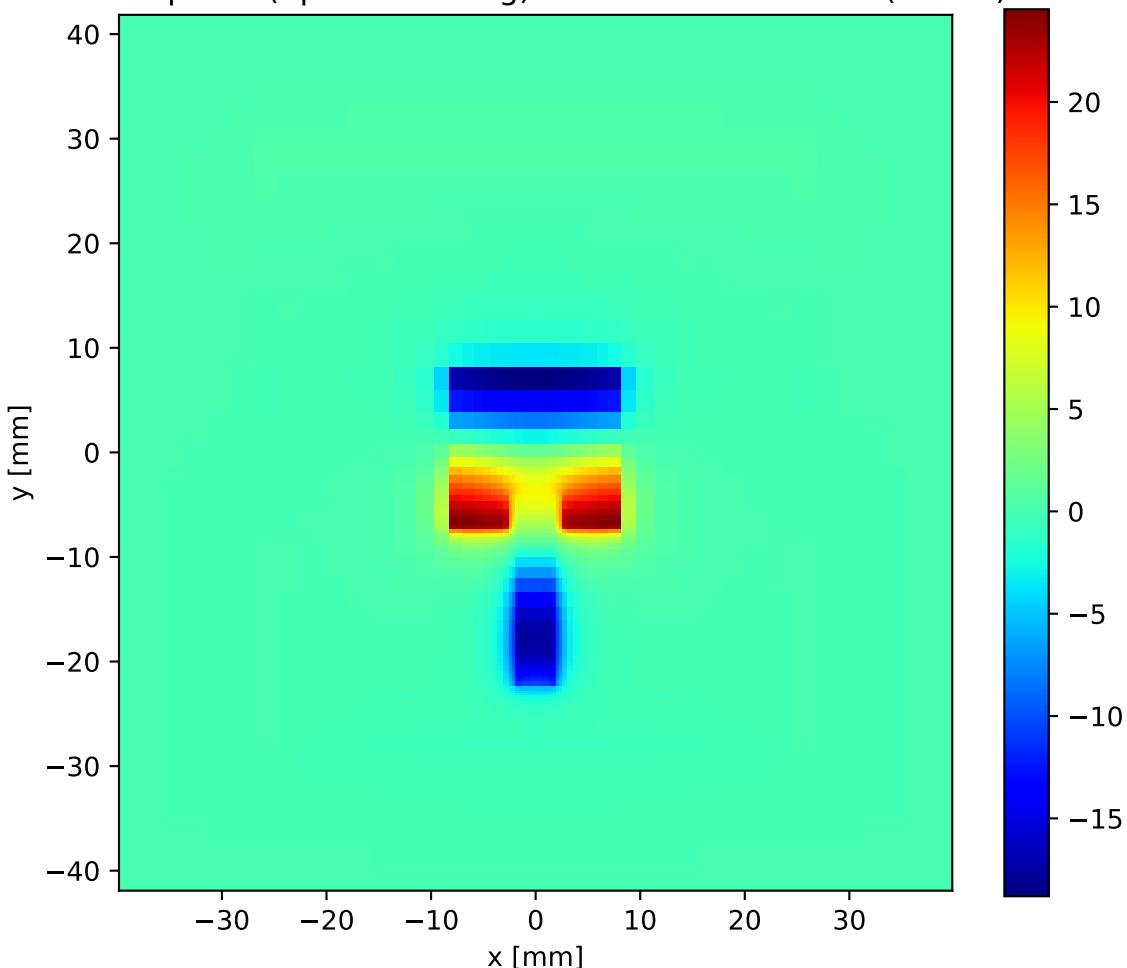
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



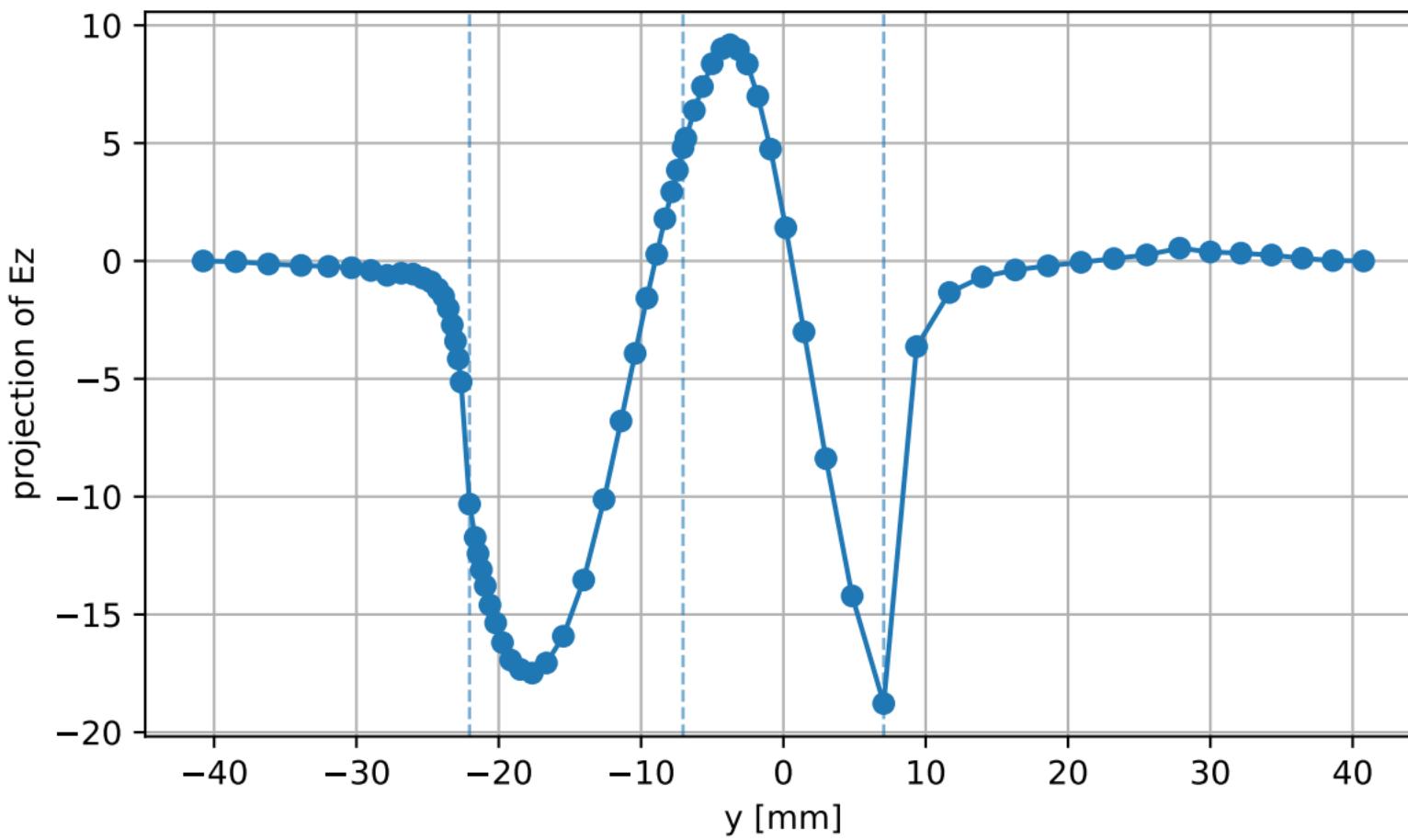
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=31$, $z=15$)



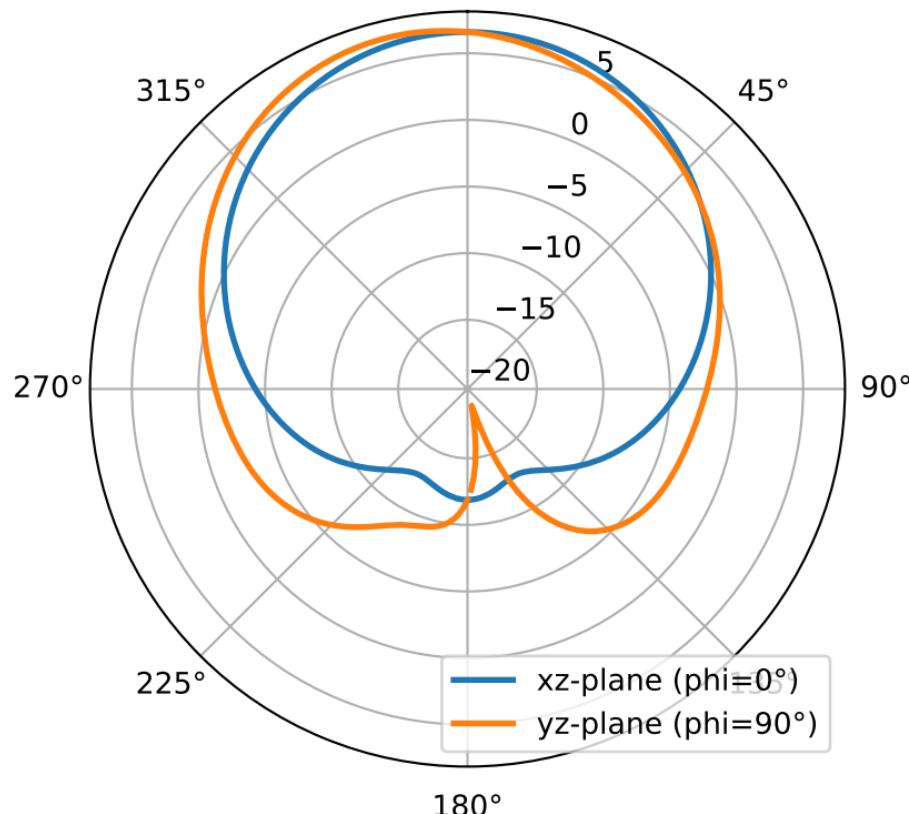
Ez snapshot ($d\phi = -0.34\text{deg}$) slice at $z = 0.76 \text{ mm}$ (idx 15)



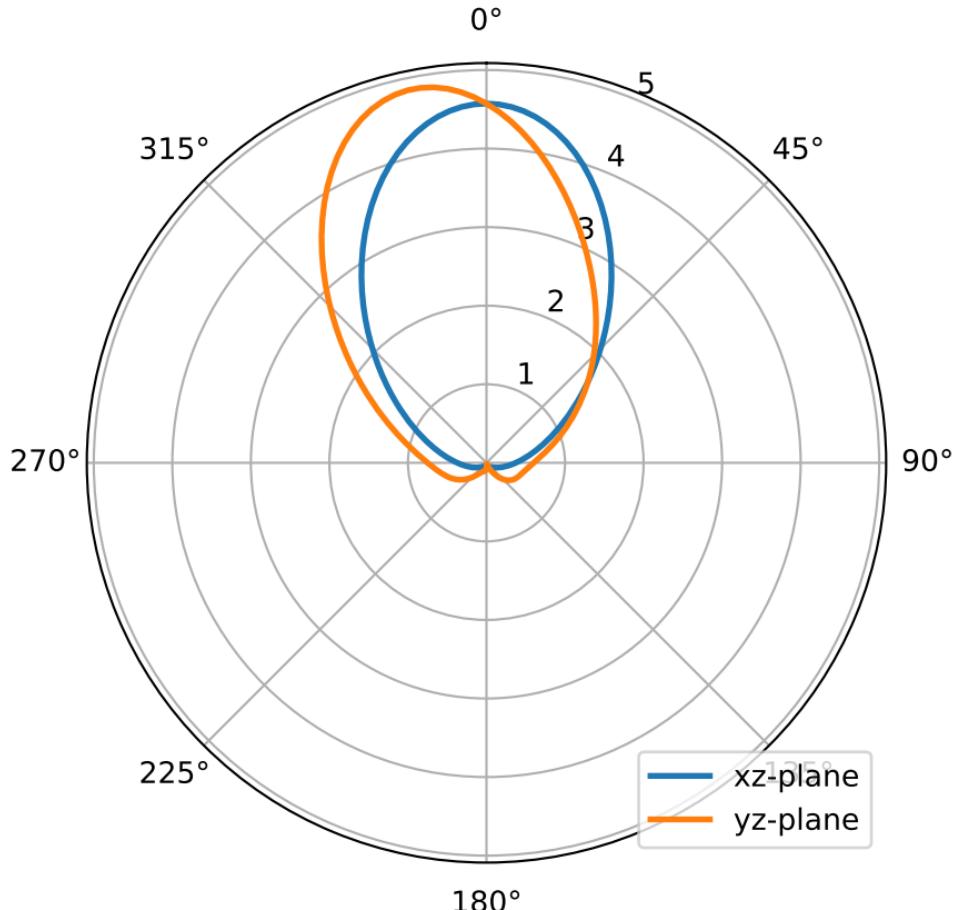
Ez snapshot (dphi=-0.34deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=31, z=15)



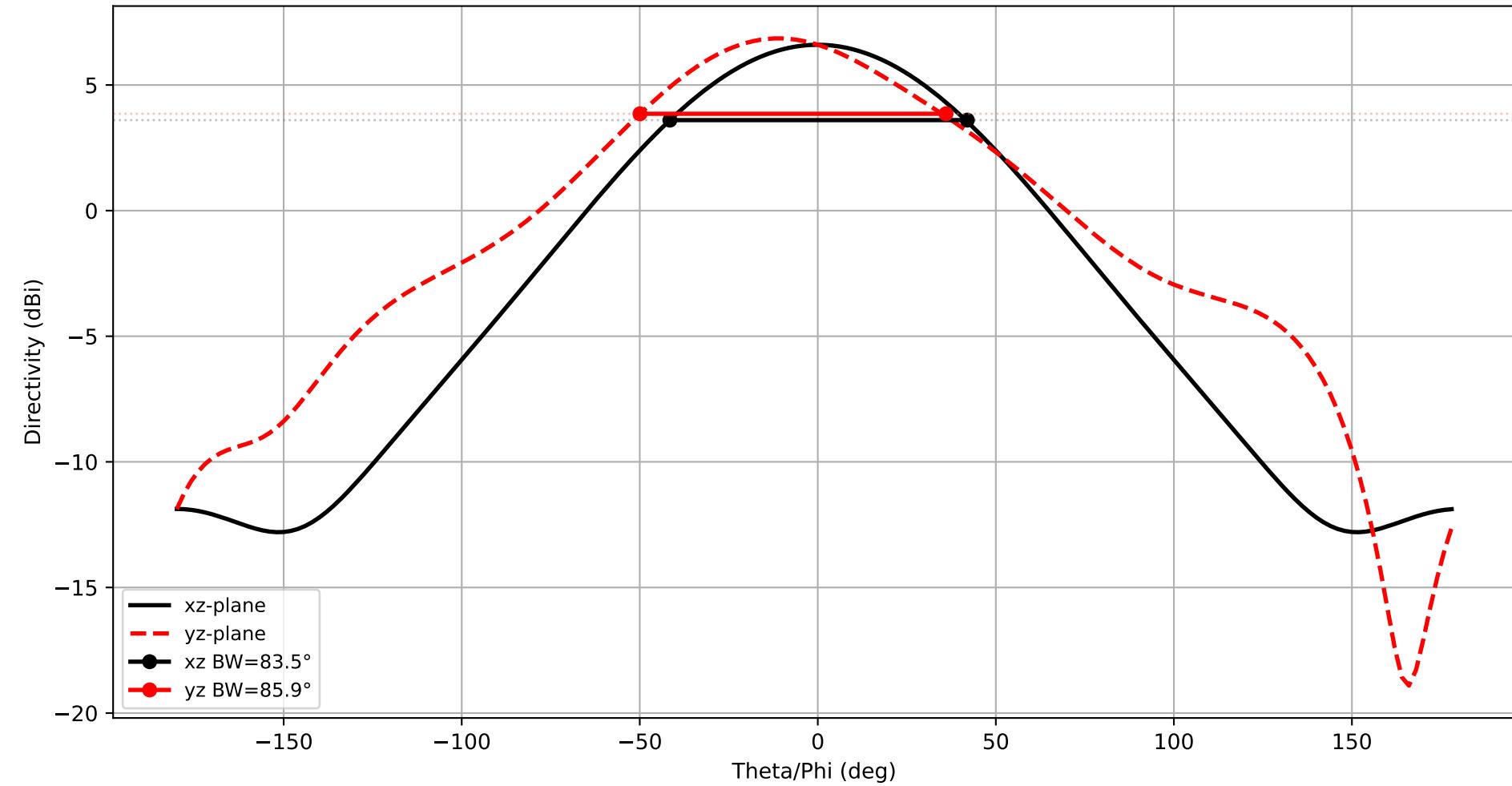
$f = 5.685 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 6.85 \text{ dB}$, nf2ff $D_{\max} = 6.85 \text{ dB}$



Frequency: 5.685 GHz — Directivity (linear). Dmax: 4.847



Frequency: 5.685 GHz
xz-plane: HPBW=83.5°
yz-plane: HPBW=85.9°



3D Directivity Pattern
 $f = 5.685 \text{ GHz}$, $D_{\max} = 6.85 \text{ dBi}$

