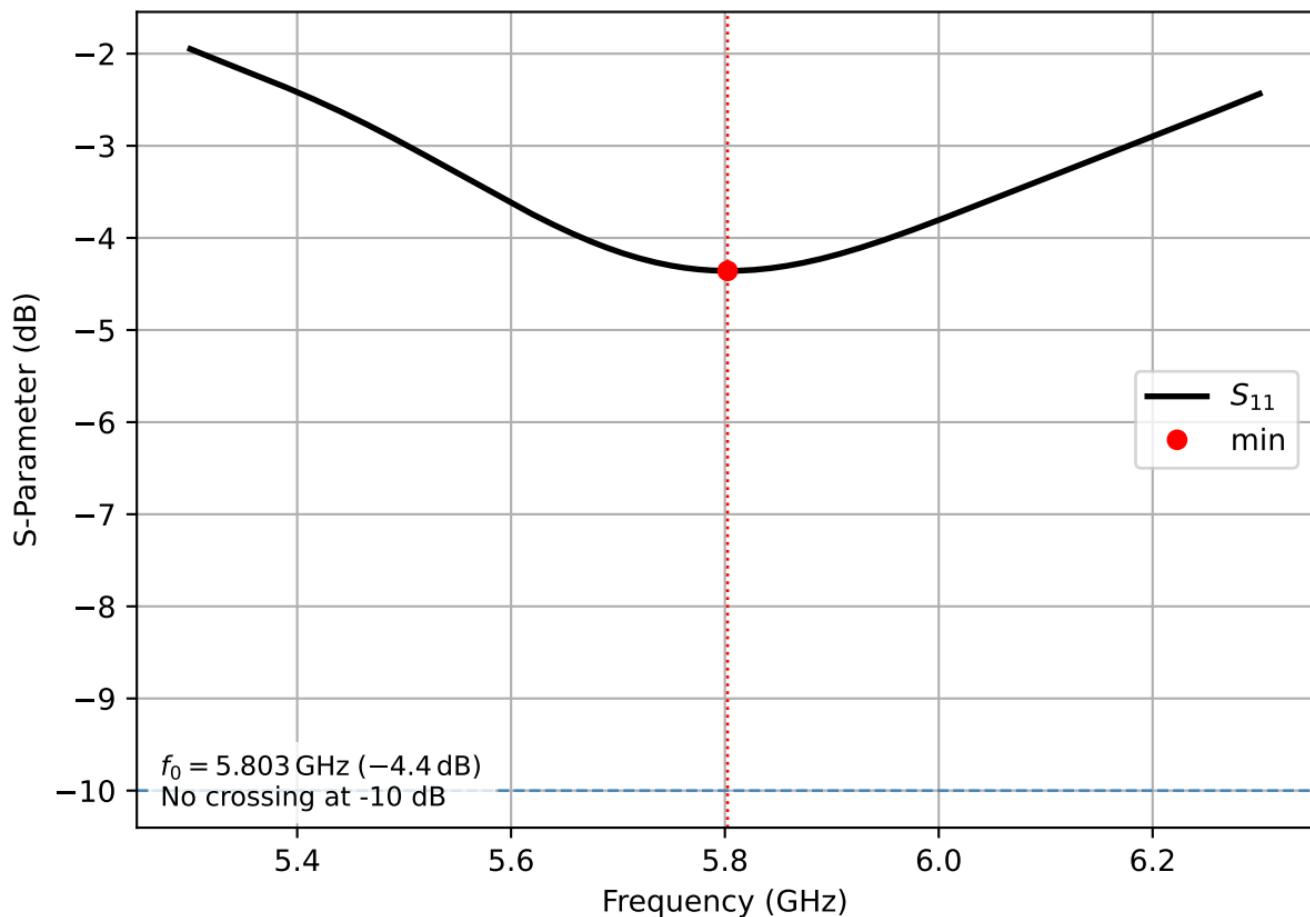
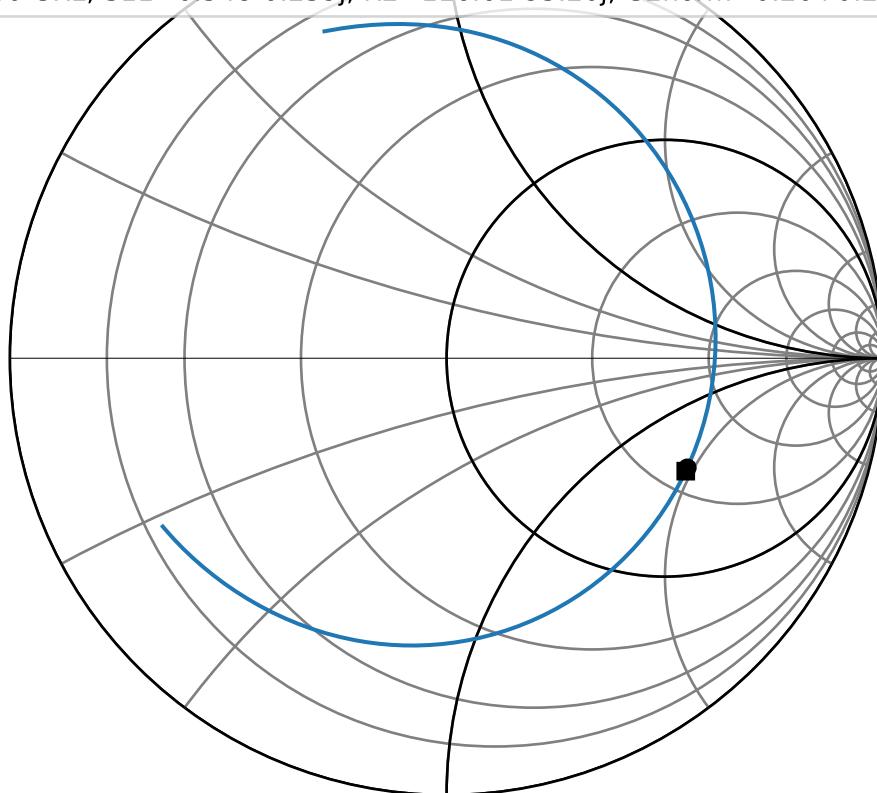


Reflection Coefficient S_{11}

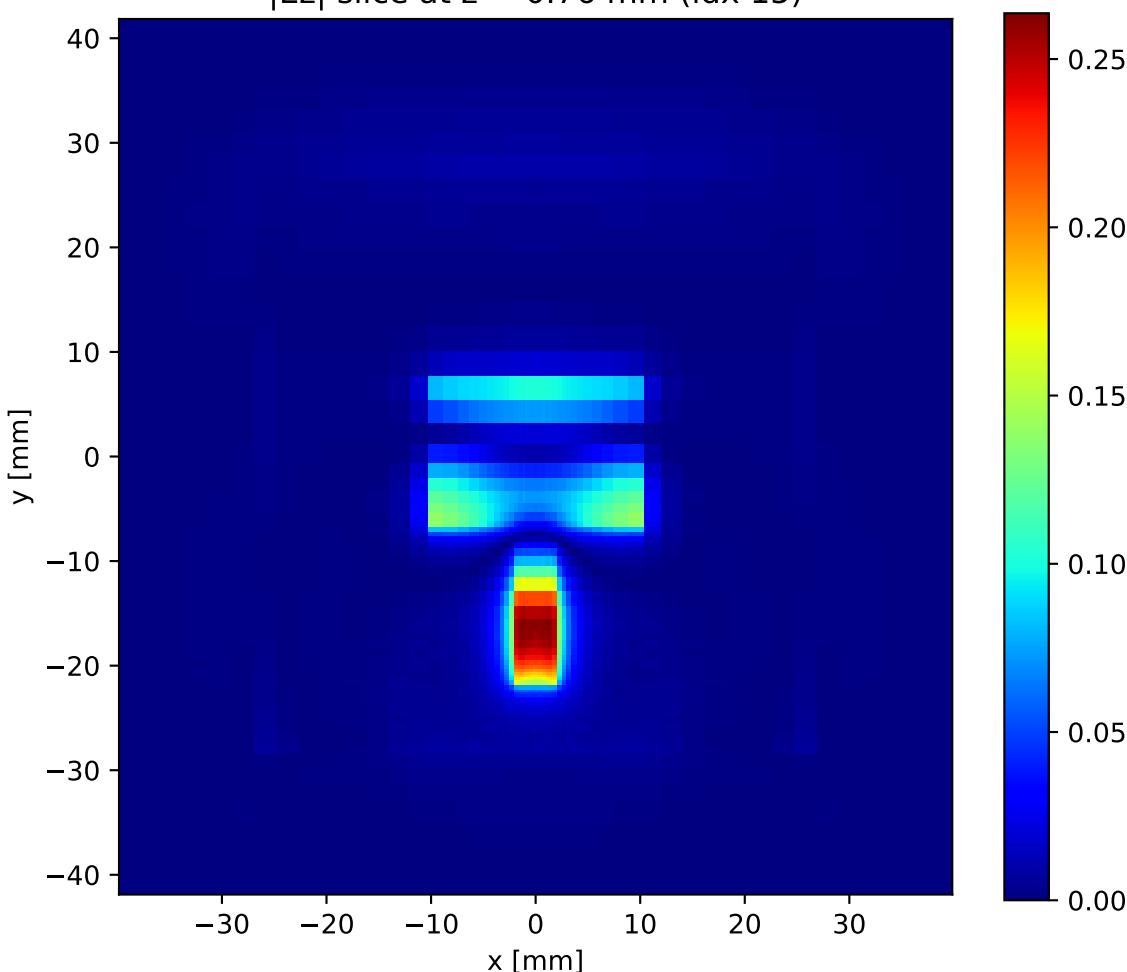


Smith Chart

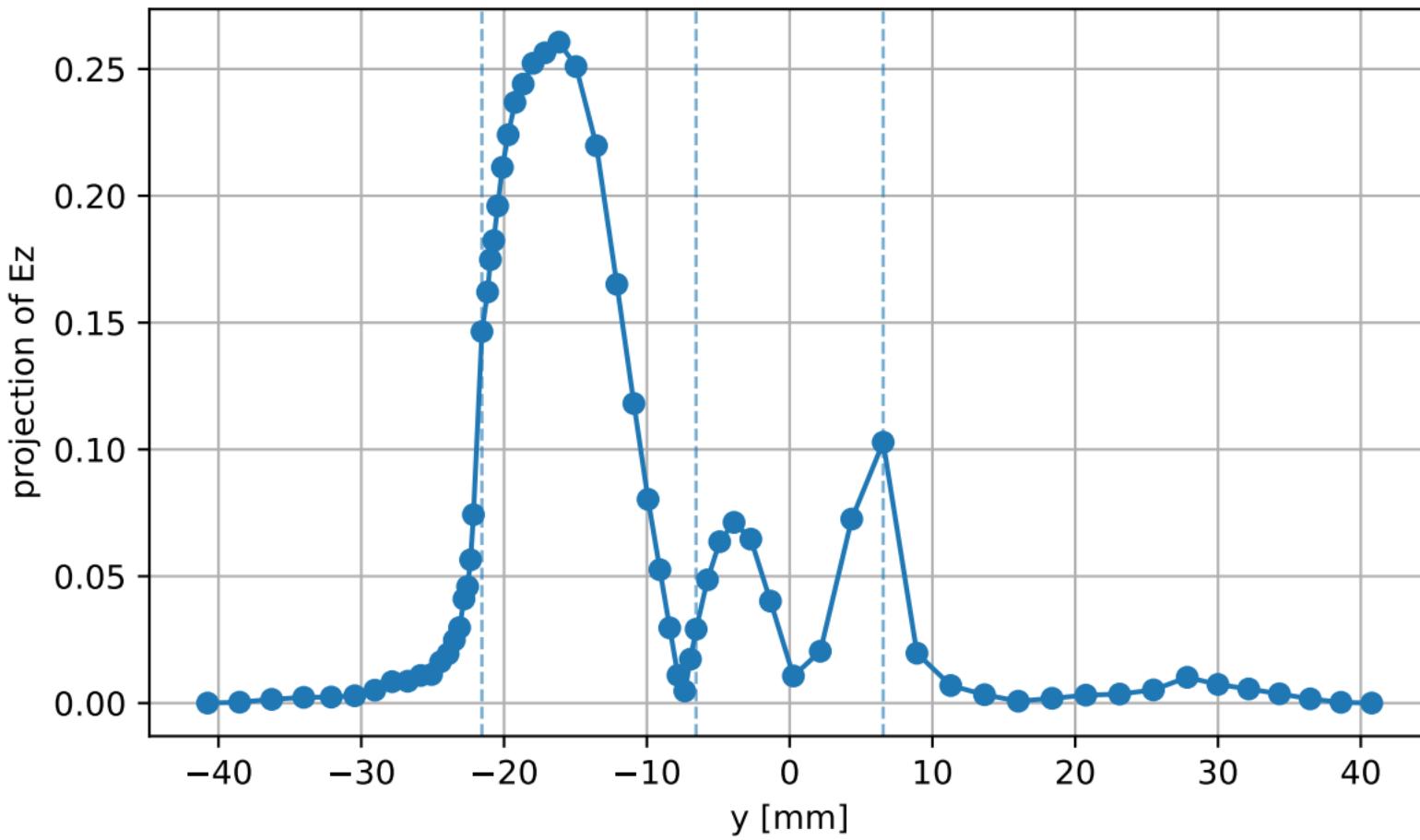
- S11 (Patch W=19.10 mm, L=13.10 mm)
- 5.80 GHz, $S_{11}=0.551-0.251j$, $R=119.72-94.87j$, $G_{norm}=0.26+0.20j$
- 5.80 GHz, $S_{11}=0.548-0.259j$, $R=116.61-95.20j$, $G_{2norm}=0.26+0.21j$



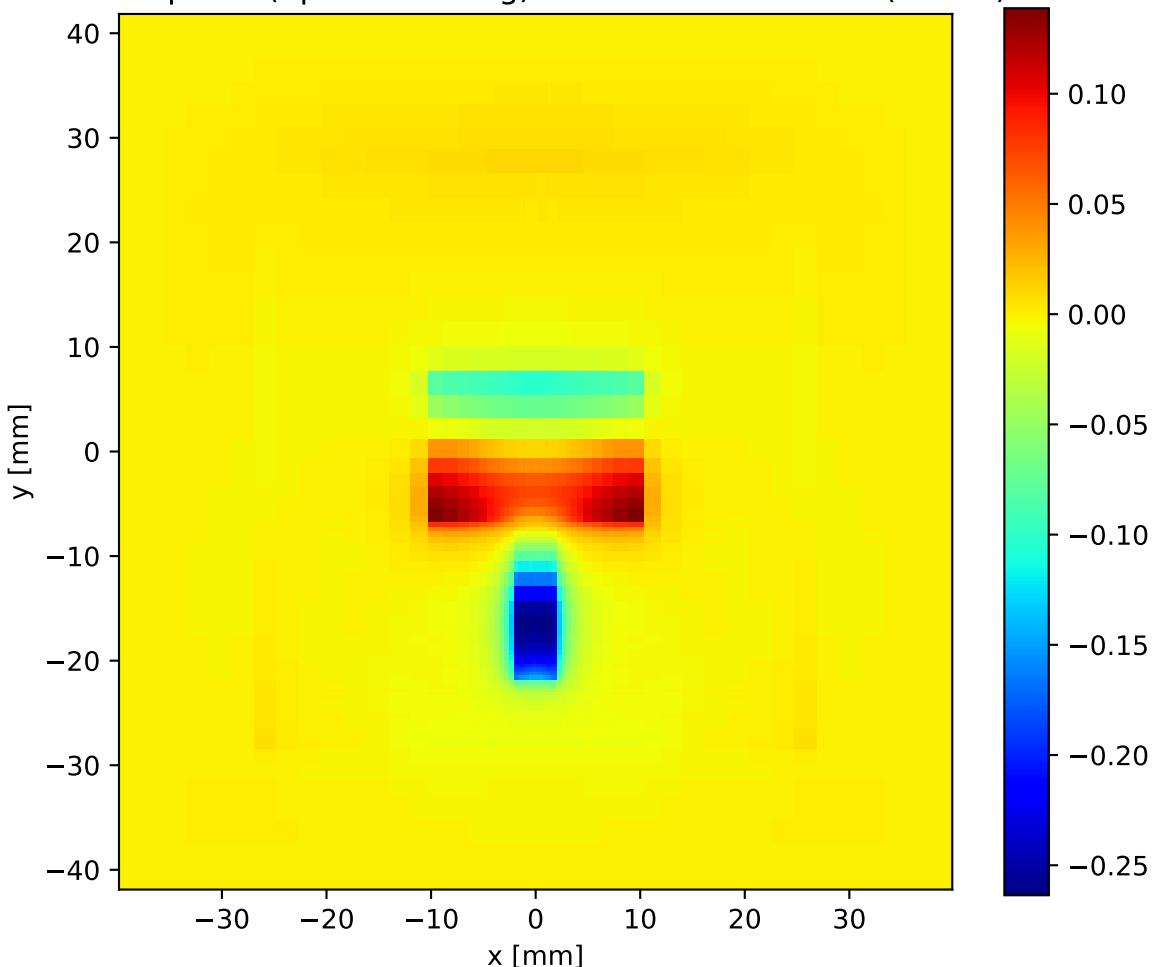
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



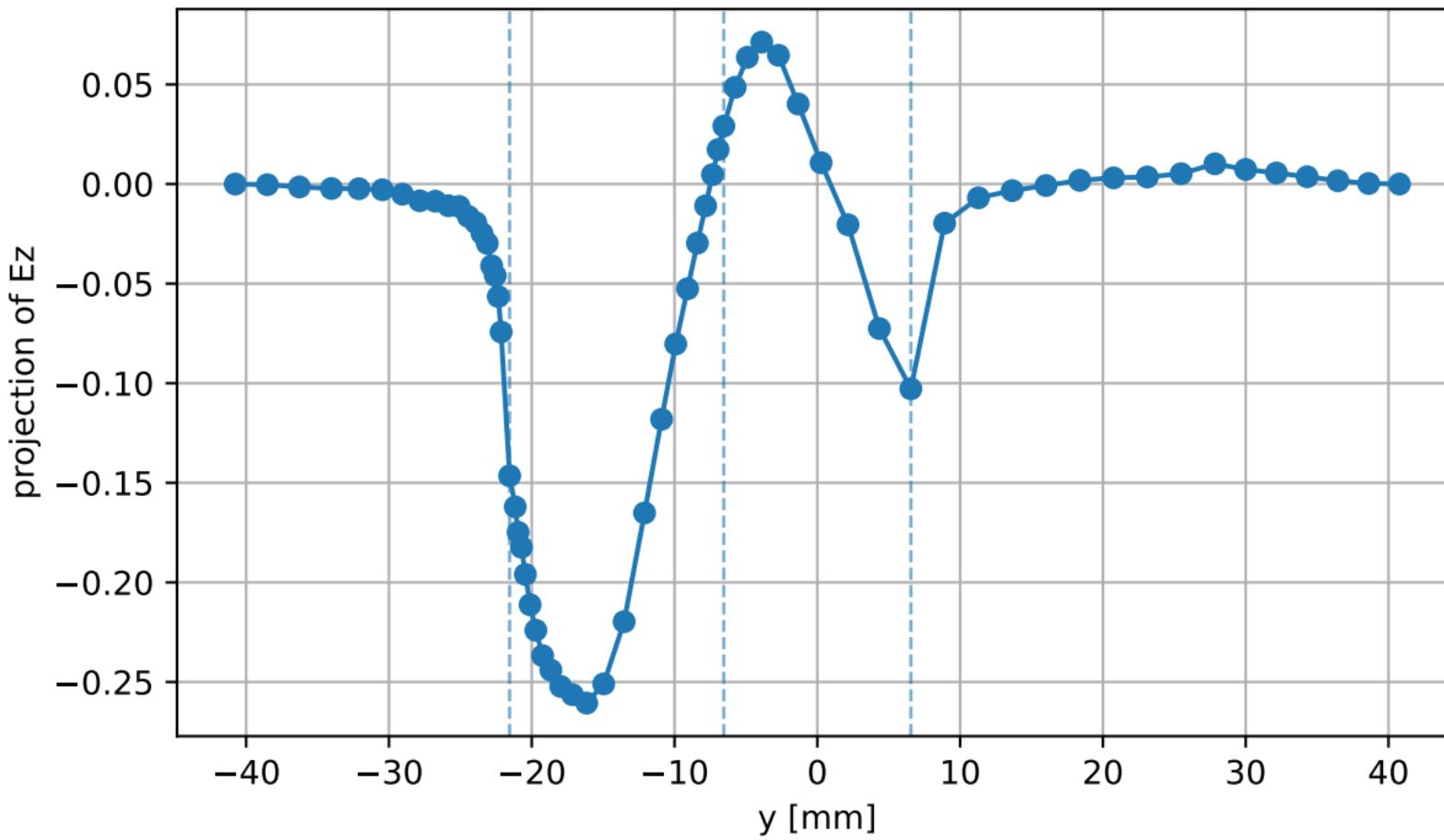
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=30$, $z=15$)



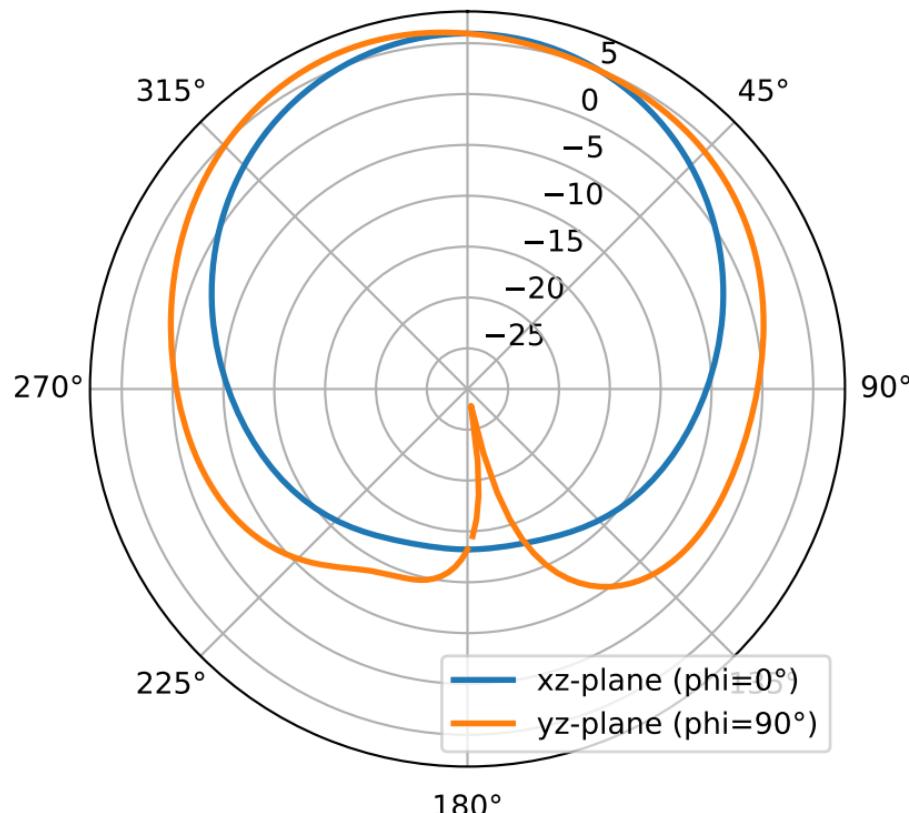
Ez snapshot ($d\phi = -0.04\text{deg}$) slice at $z = 0.76 \text{ mm}$ (idx 15)



Ez snapshot (dphi=-0.04deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=30, z=15)

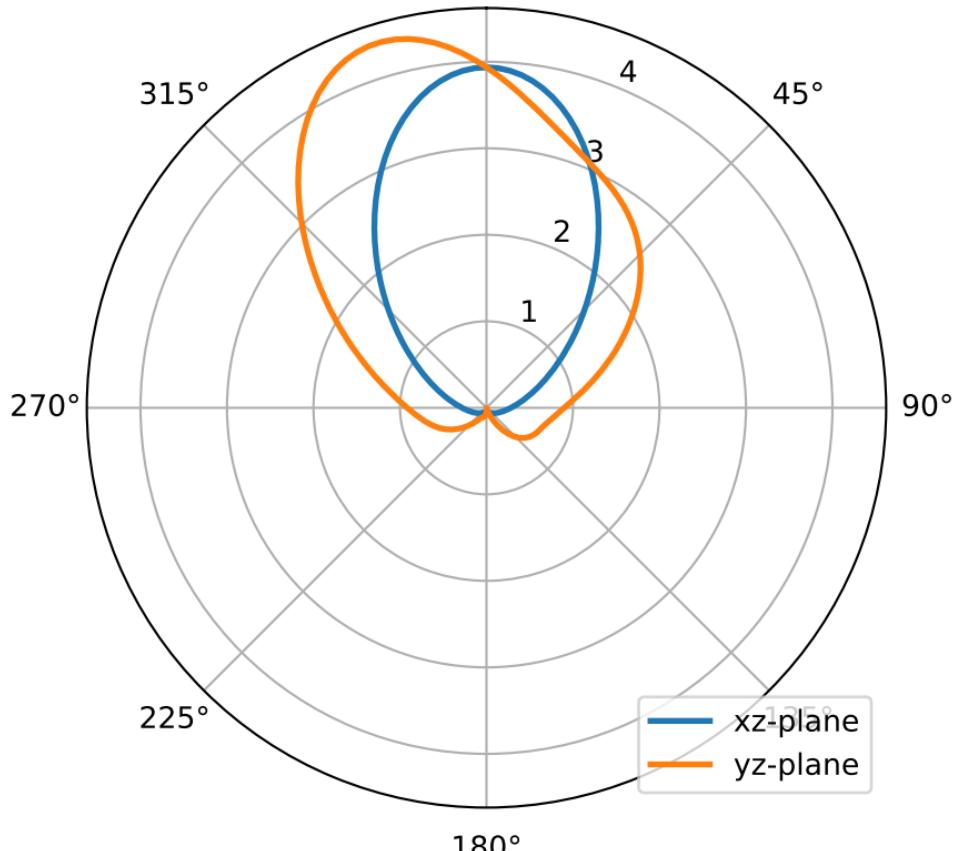


$f = 5.803 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 6.44 \text{ dB}$, nf2ff $D_{\max} = 6.44 \text{ dB}$

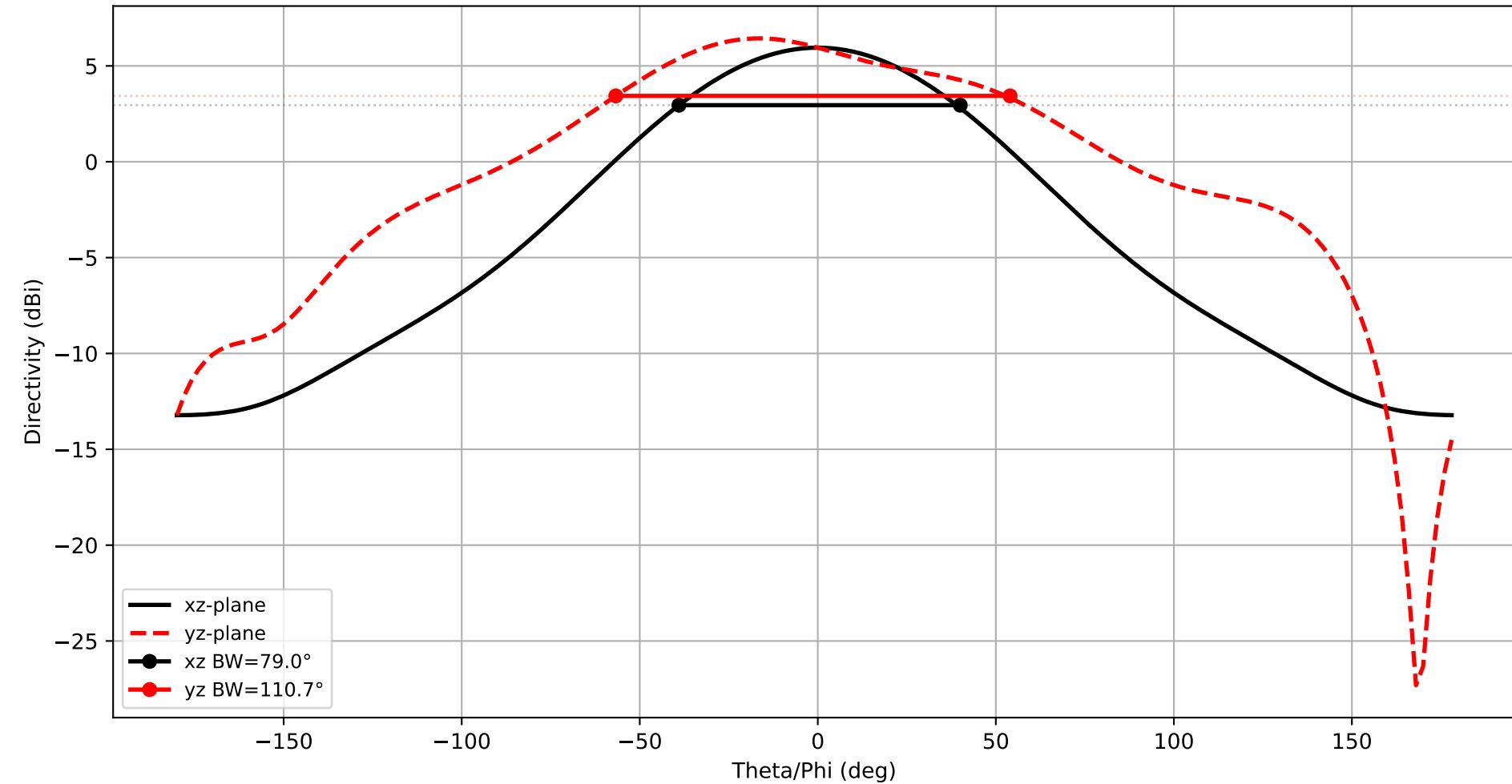


Frequency: 5.803 GHz — Directivity (linear). Dmax: 4.401

0°



Frequency: 5.803 GHz
xz-plane: HPBW=79.0°
yz-plane: HPBW=110.7°



3D Directivity Pattern
 $f = 5.803$ GHz, $D_{\max} = 6.43$ dBi

