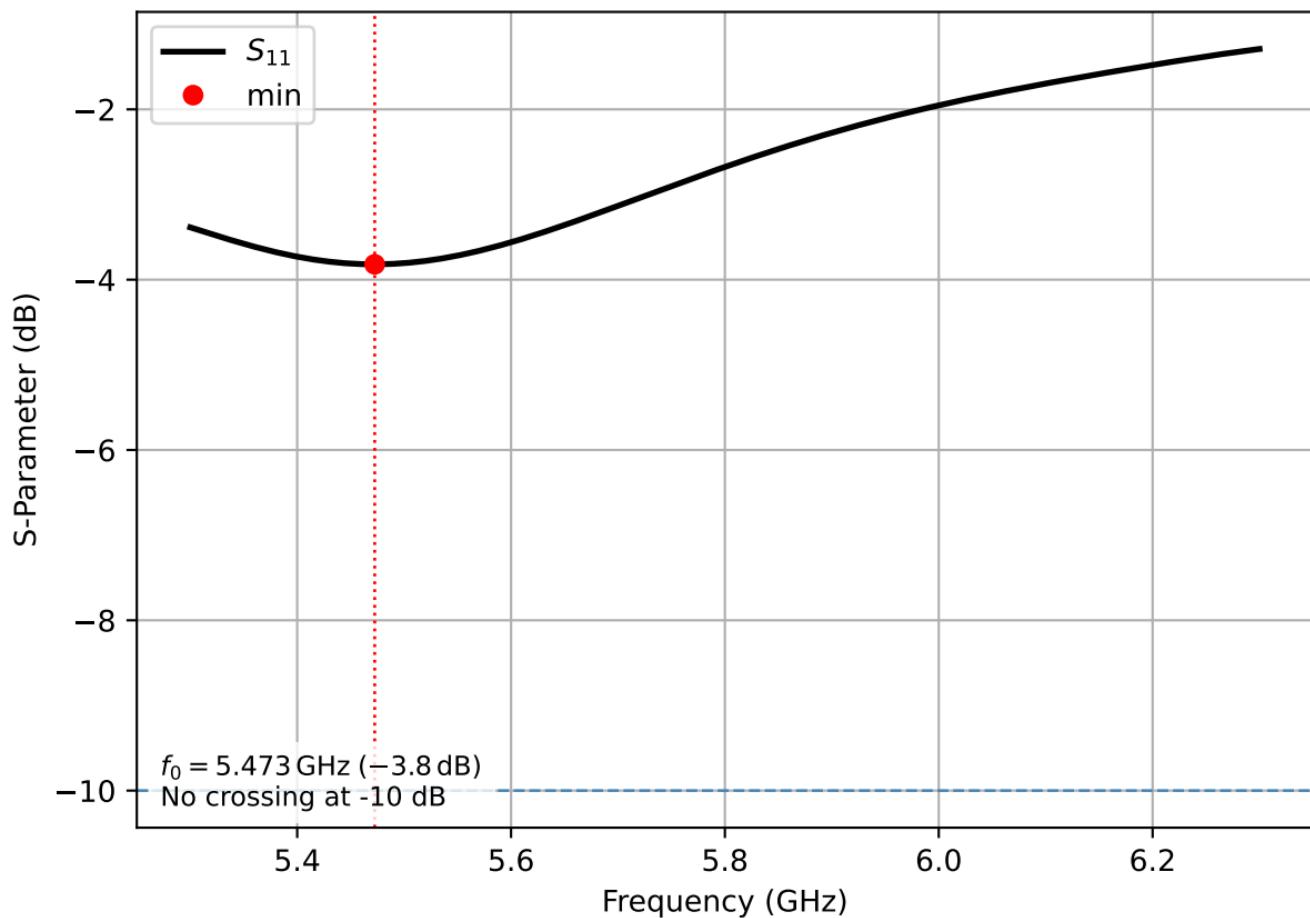
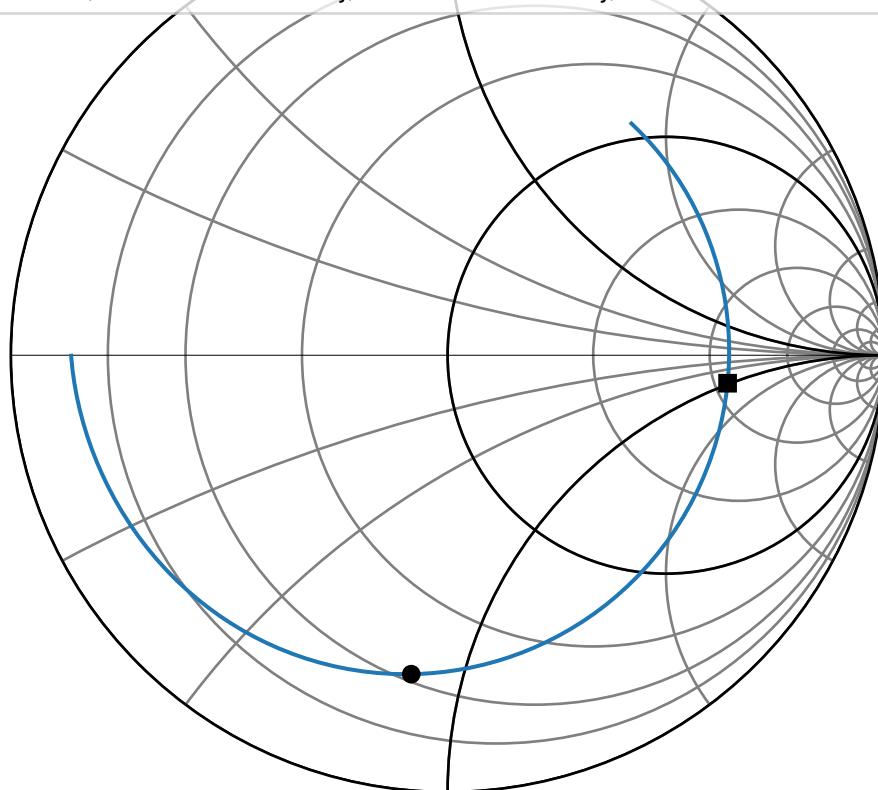


Reflection Coefficient S_{11}

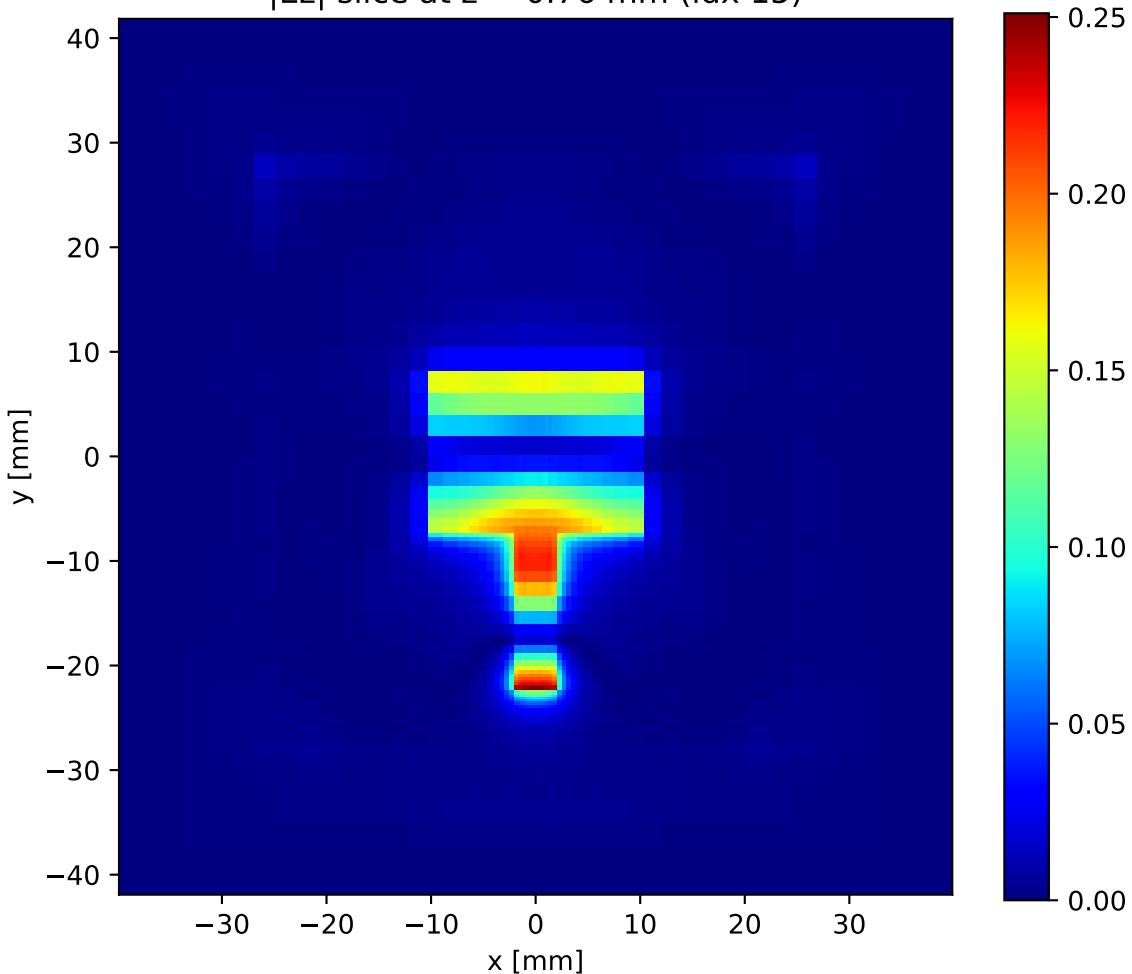


Smith Chart

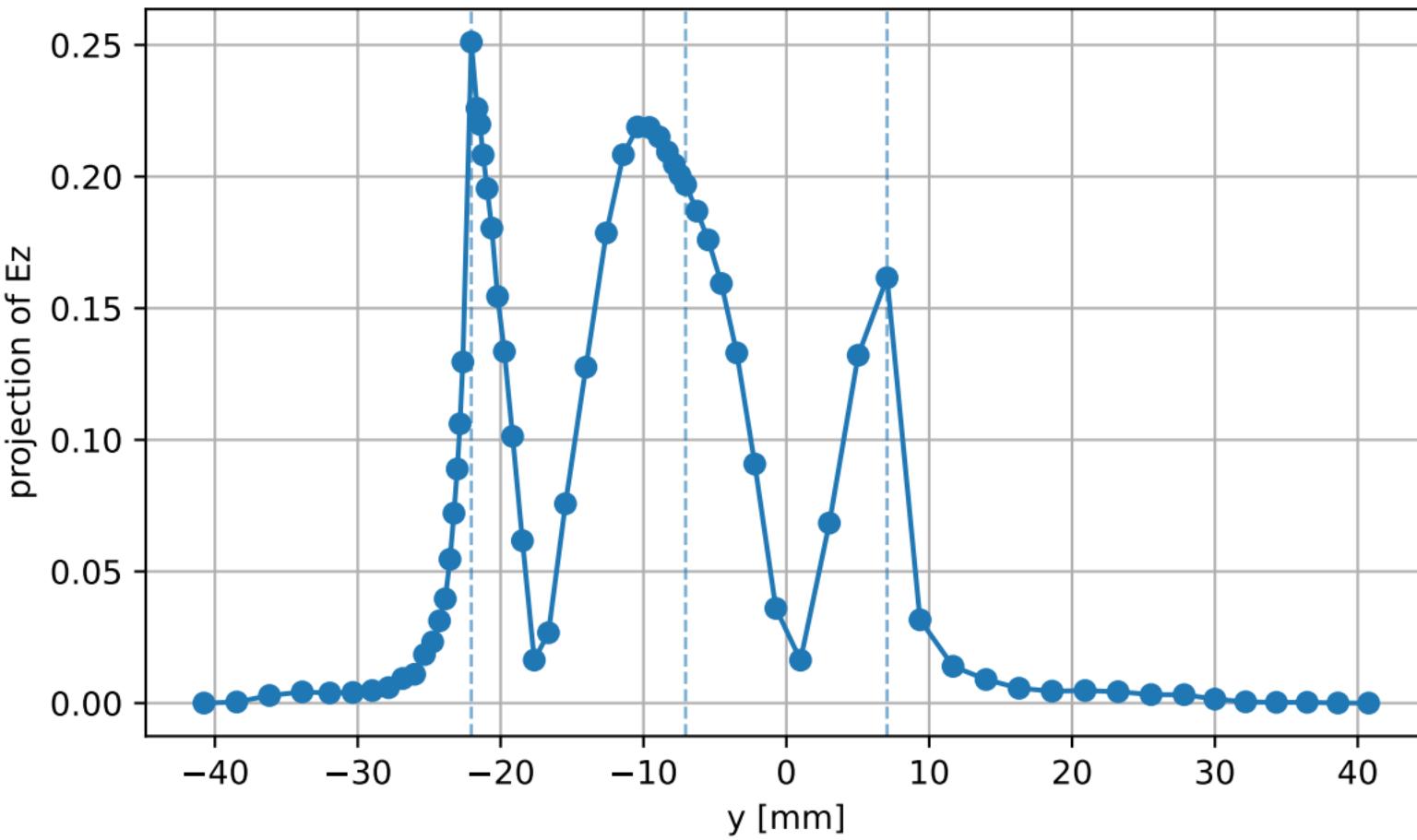
- S11 (Patch W=19.10 mm, L=14.10 mm)
- 5.80 GHz, $S_{11}=-0.083-0.730j$, $R=13.48-42.79j$, $G_{norm}=0.33+1.06j$
- 5.47 GHz, $S_{11}=0.641-0.064j$, $R=219.95-48.17j$, $G_{2norm}=0.22+0.05j$



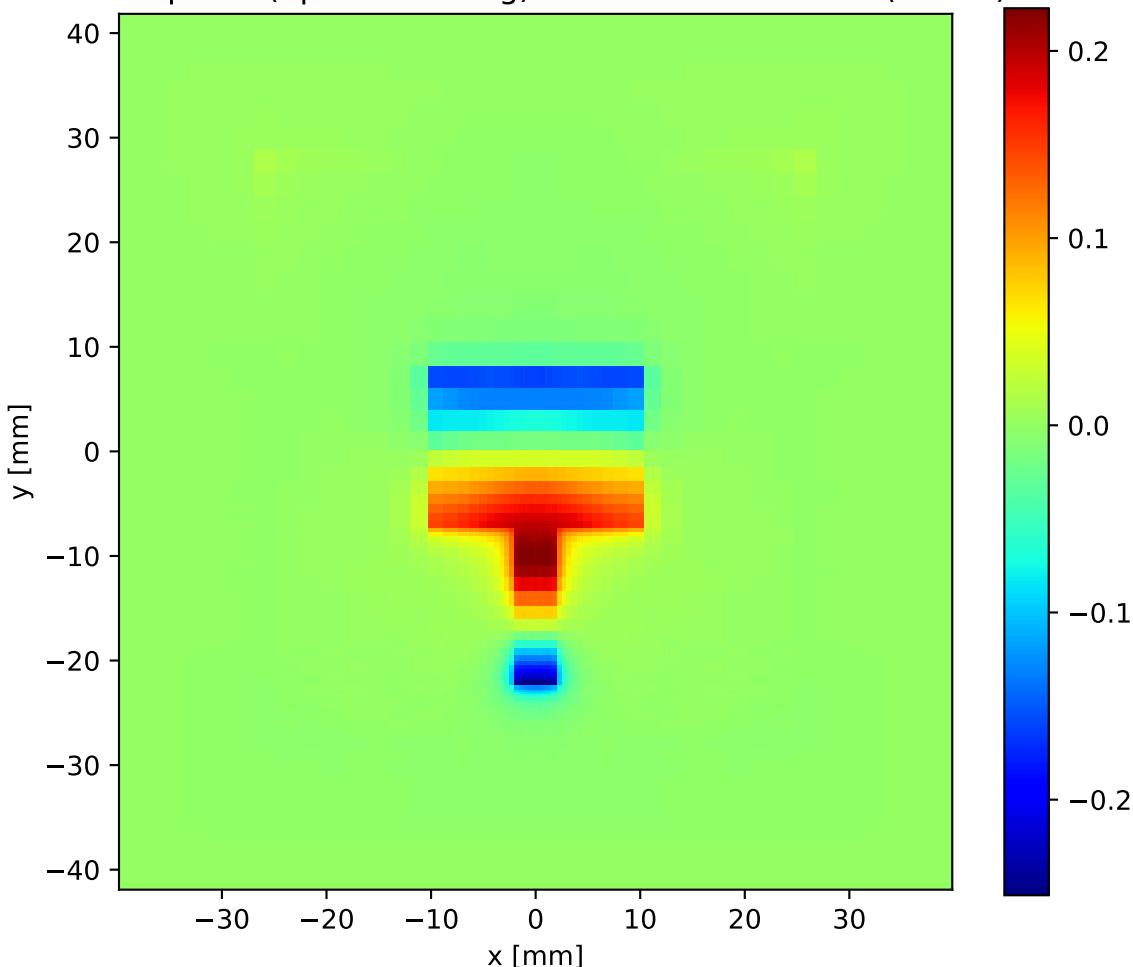
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



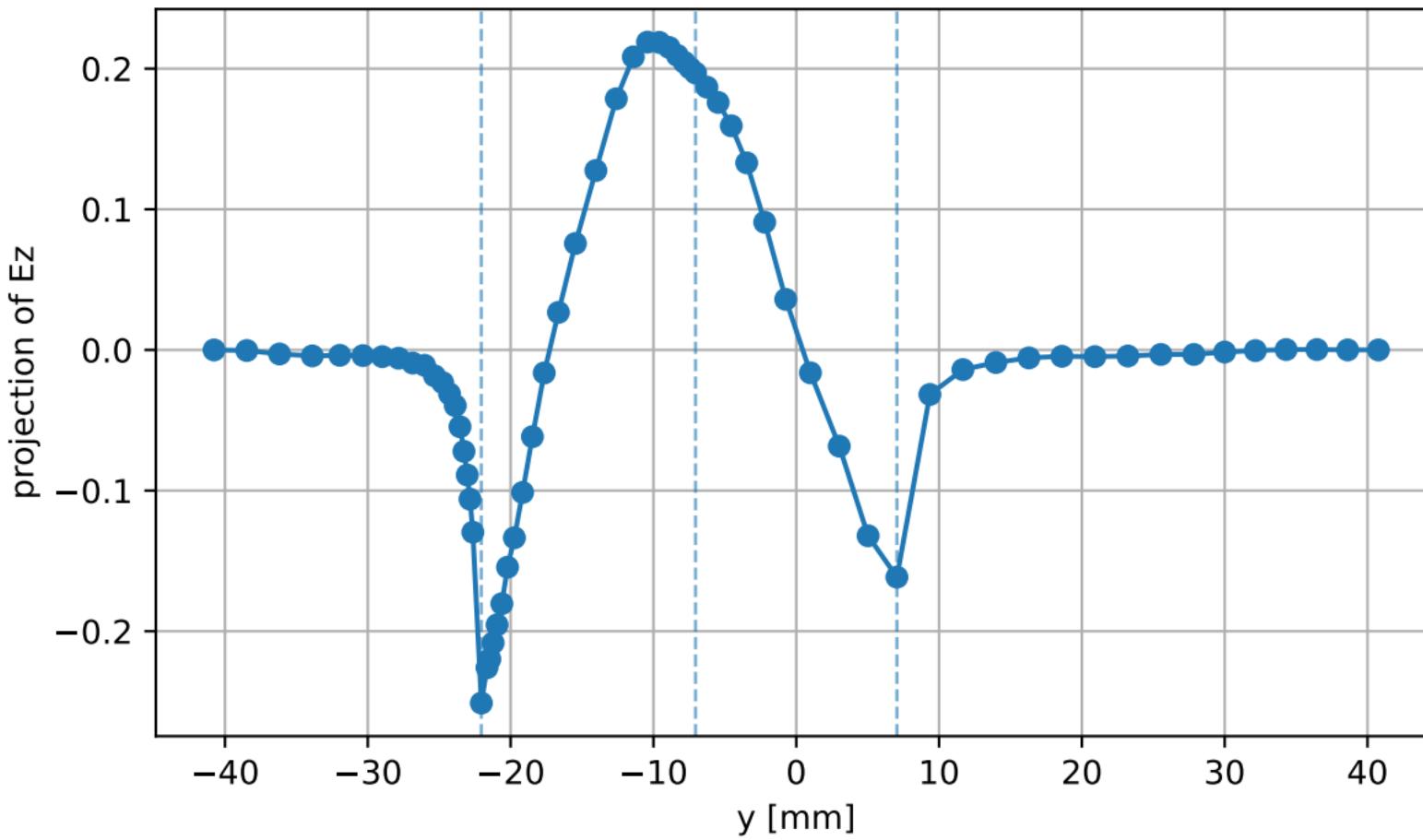
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=30$, $z=15$)



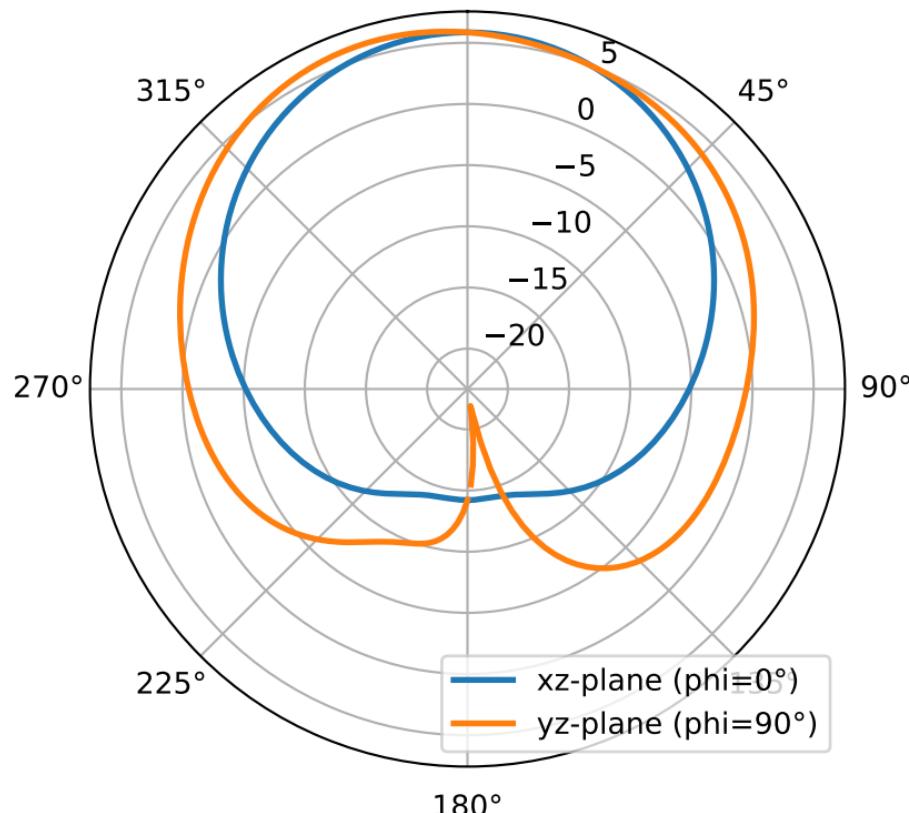
Ez snapshot ($d\phi = -0.29\text{deg}$) slice at $z = 0.76 \text{ mm}$ (idx 15)



Ez snapshot (dphi=-0.29deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=30, z=15)

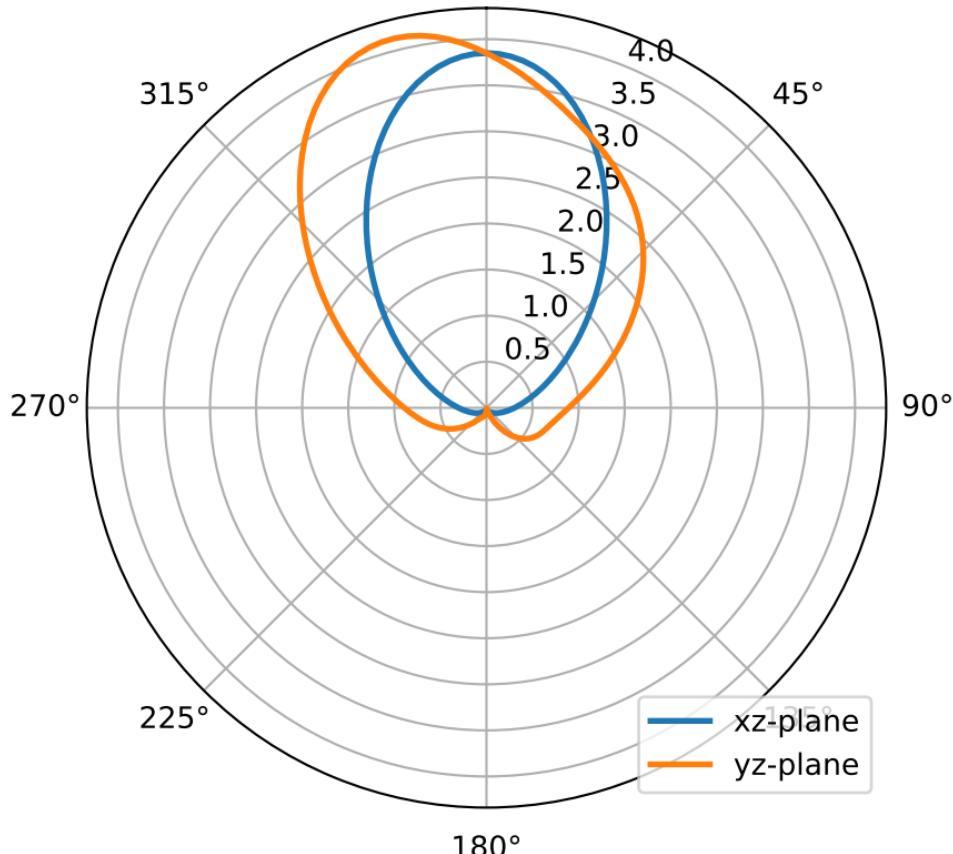


$f = 5.473 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 6.16 \text{ dB}$, nf2ff $D_{\max} = 6.16 \text{ dB}$

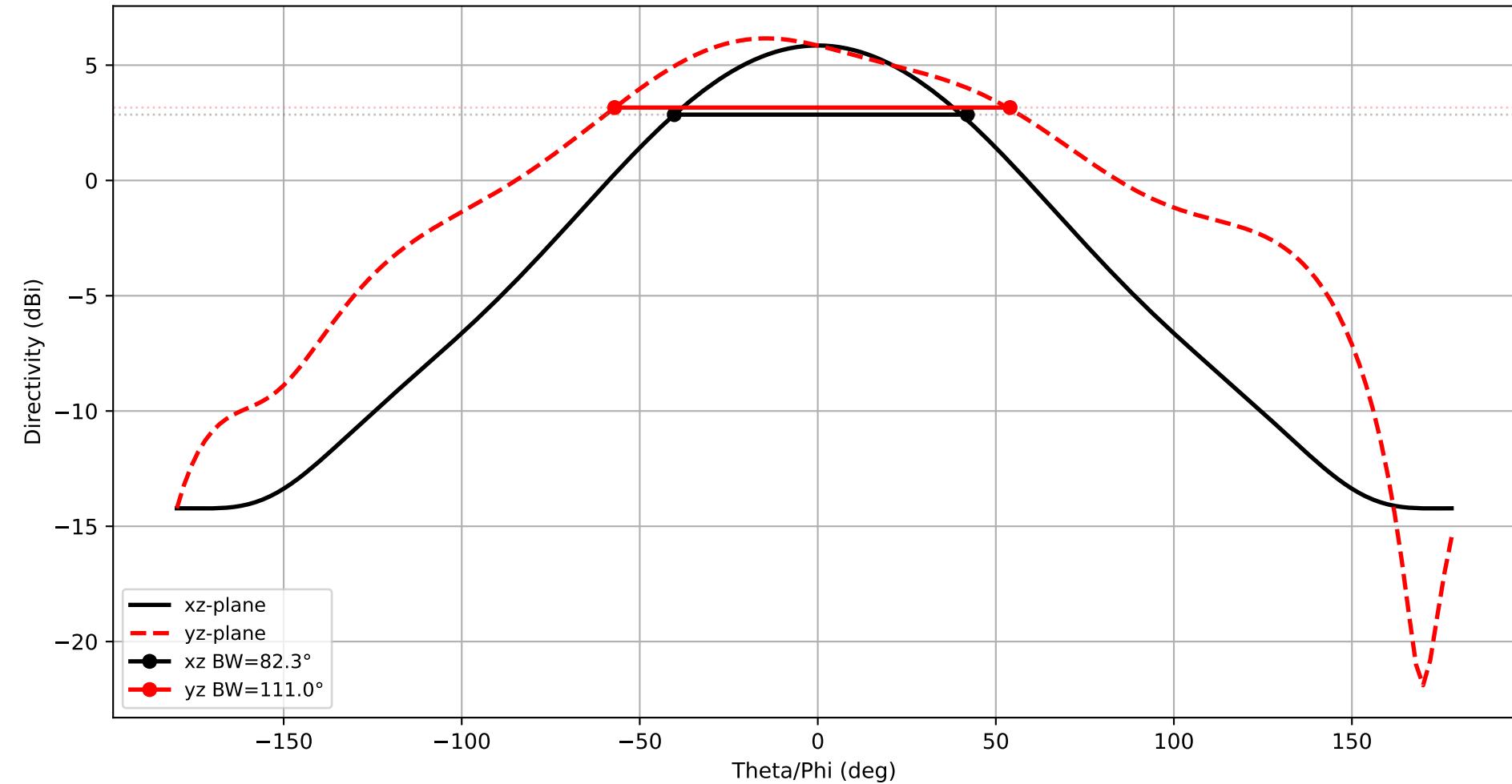


Frequency: 5.473 GHz — Directivity (linear). Dmax: 4.131

0°



Frequency: 5.473 GHz
xz-plane: HPBW=82.3°
yz-plane: HPBW=111.0°



3D Directivity Pattern
 $f = 5.473 \text{ GHz}$, $D_{\max} = 6.16 \text{ dBi}$

