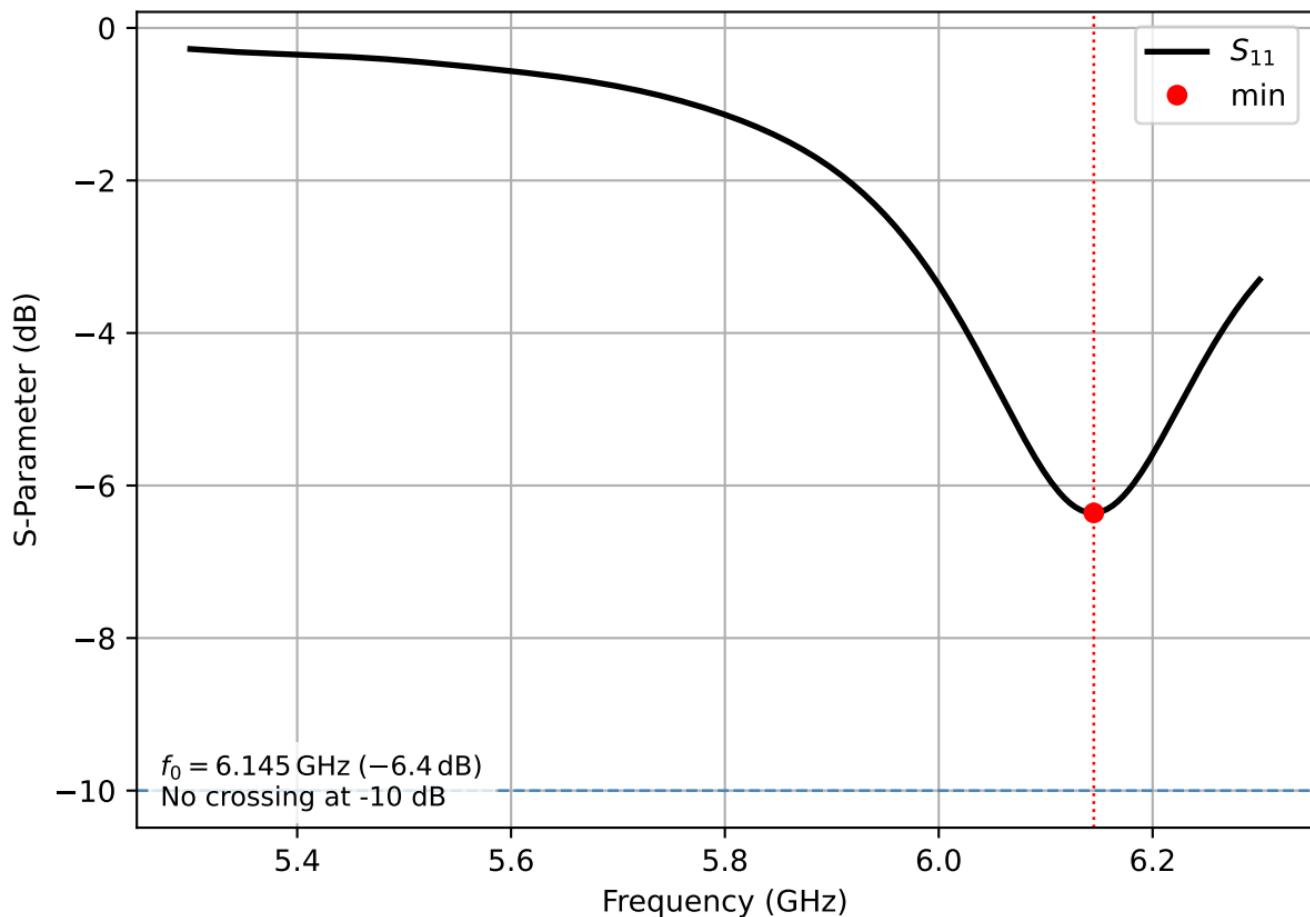
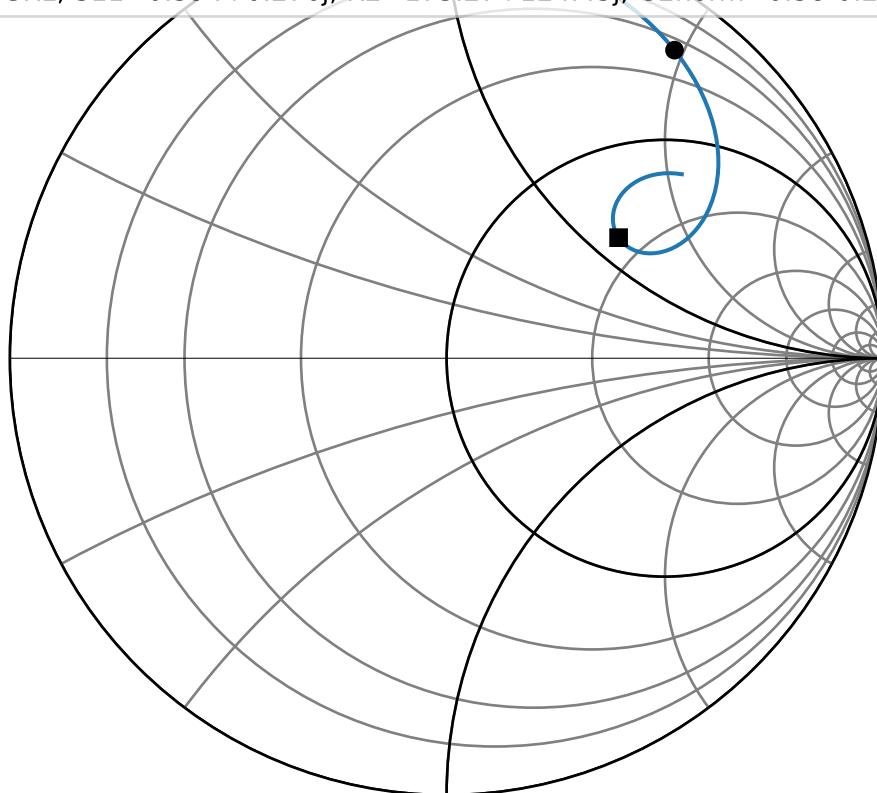


Reflection Coefficient S_{11}

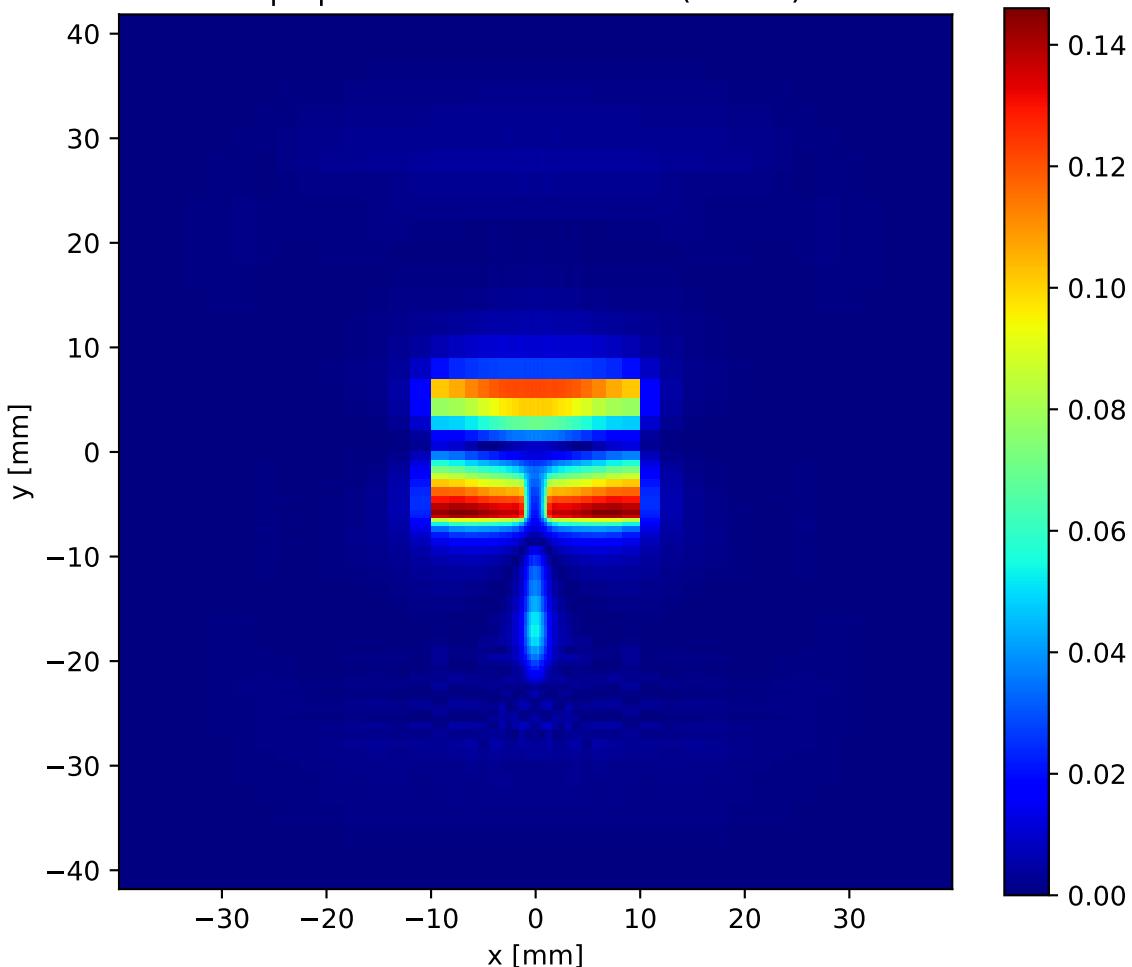


Smith Chart

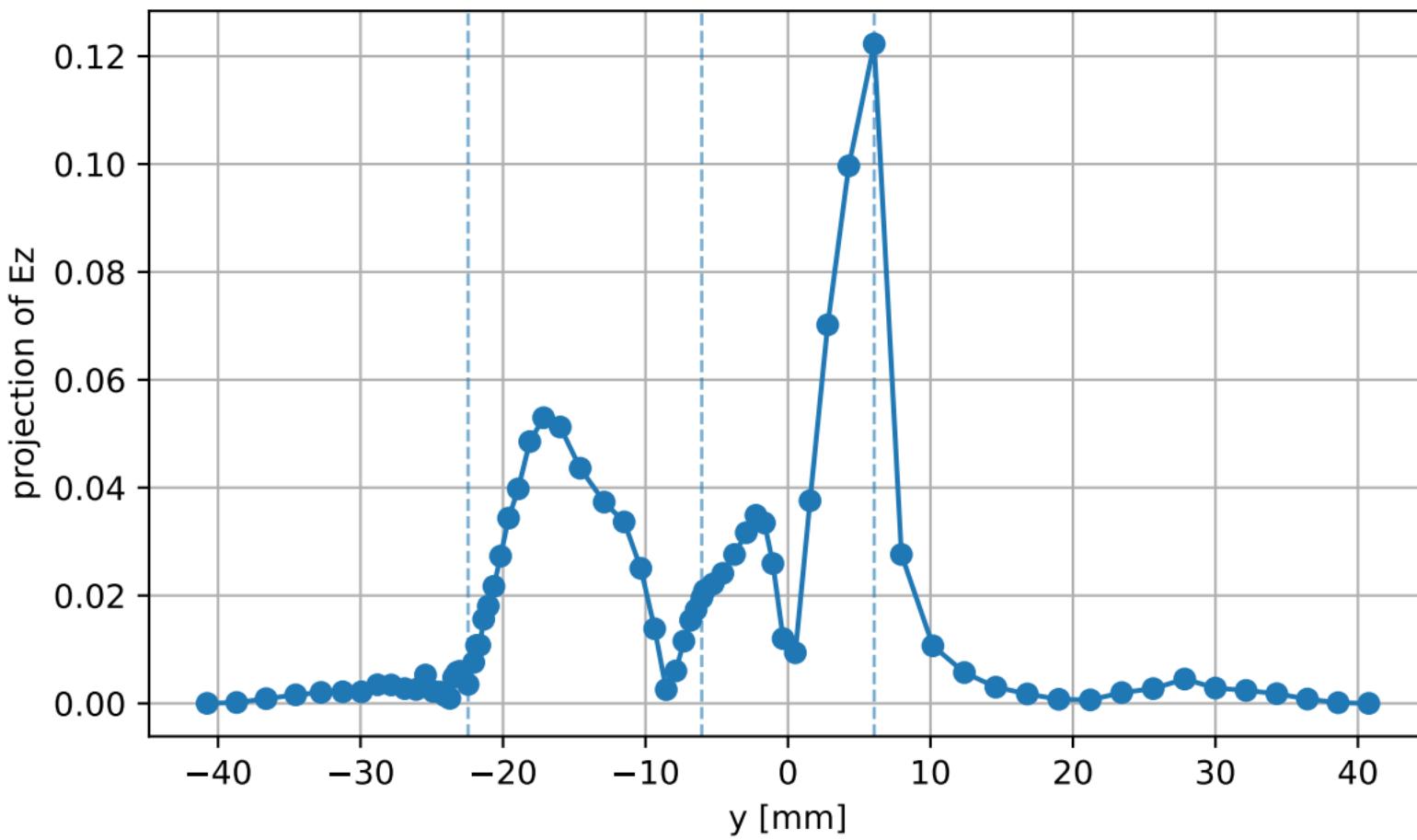
- S11 (Patch W=18.20 mm, L=12.10 mm)
- 5.80 GHz, $S_{11}=0.522+0.705j$, $R=31.72+194.25j$, $G_{norm}=0.08-0.50j$
- 6.14 GHz, $S_{11}=0.394+0.276j$, $R=173.27+124.43j$, $G2_{norm}=0.38-0.27j$



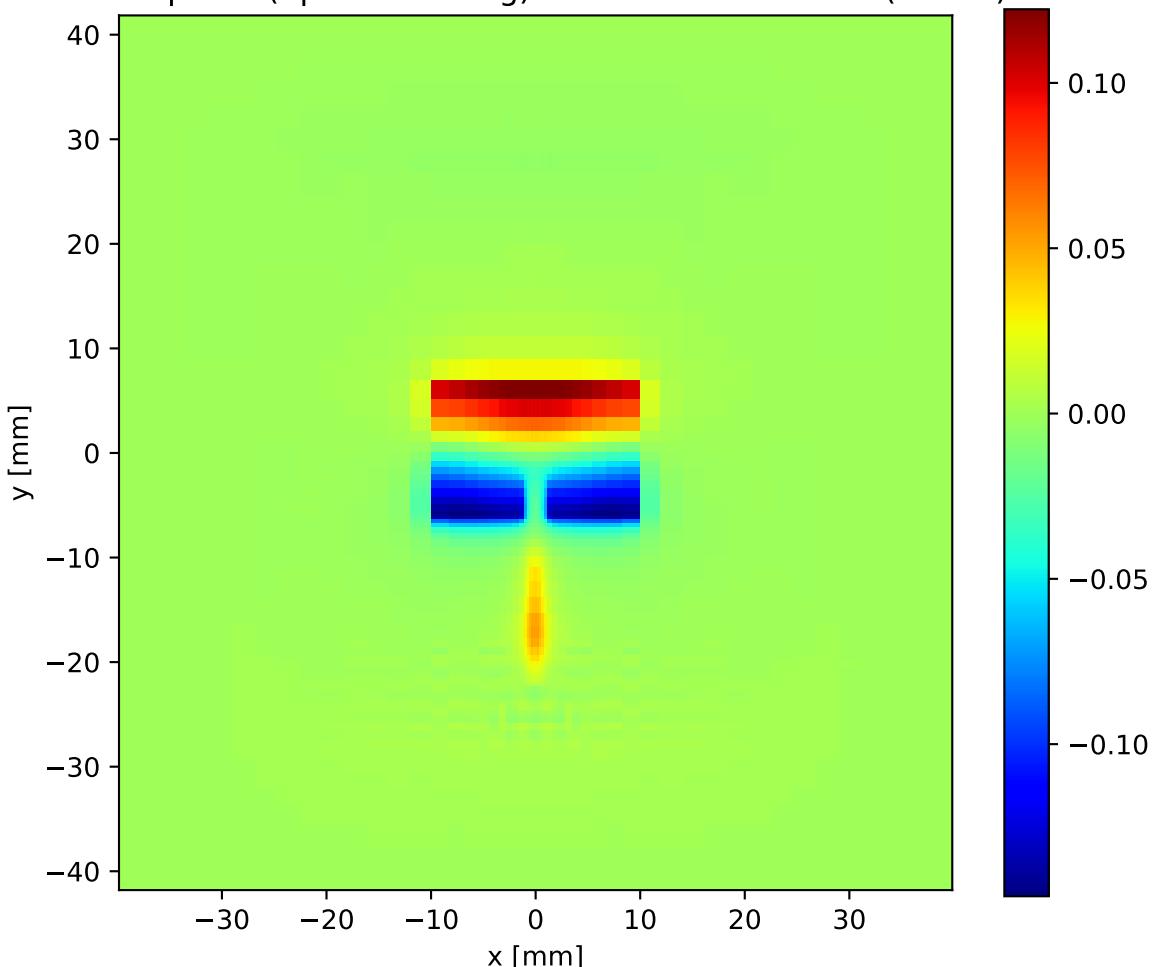
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



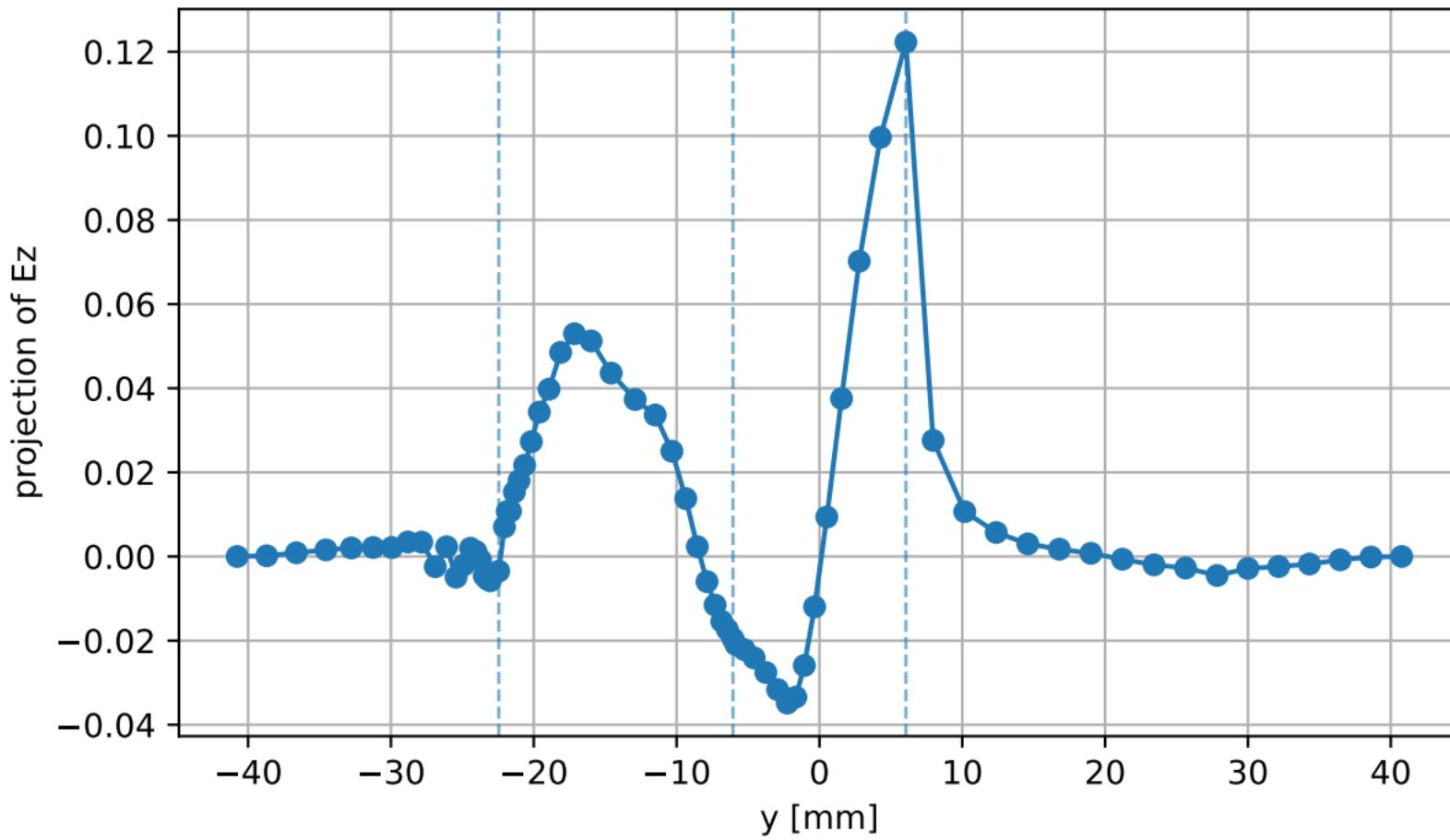
$|E_z|$ line cut along Y at $x=0.10$ mm, $z=0.76$ mm
(idx $x=28, z=15$)



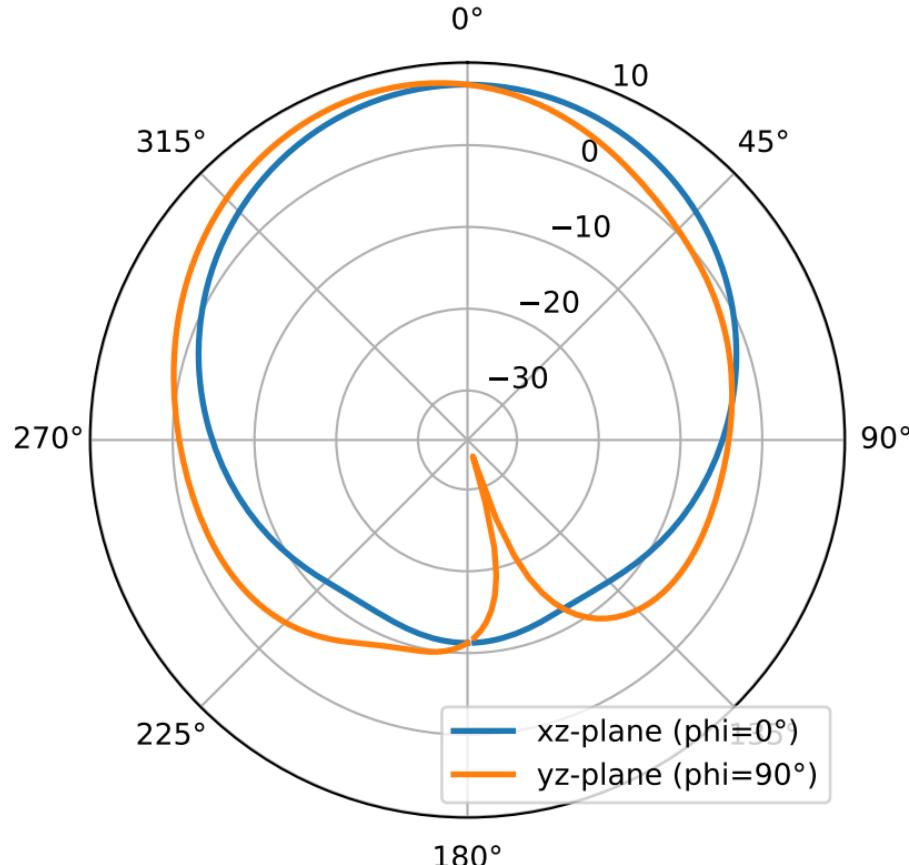
Ez snapshot ($d\phi = -0.86\text{deg}$) slice at $z = 0.76 \text{ mm}$ (idx 15)



Ez snapshot (dphi=-0.86deg) line cut along Y at x=0.10 mm, z=0.76 mm
(idx x=28, z=15)

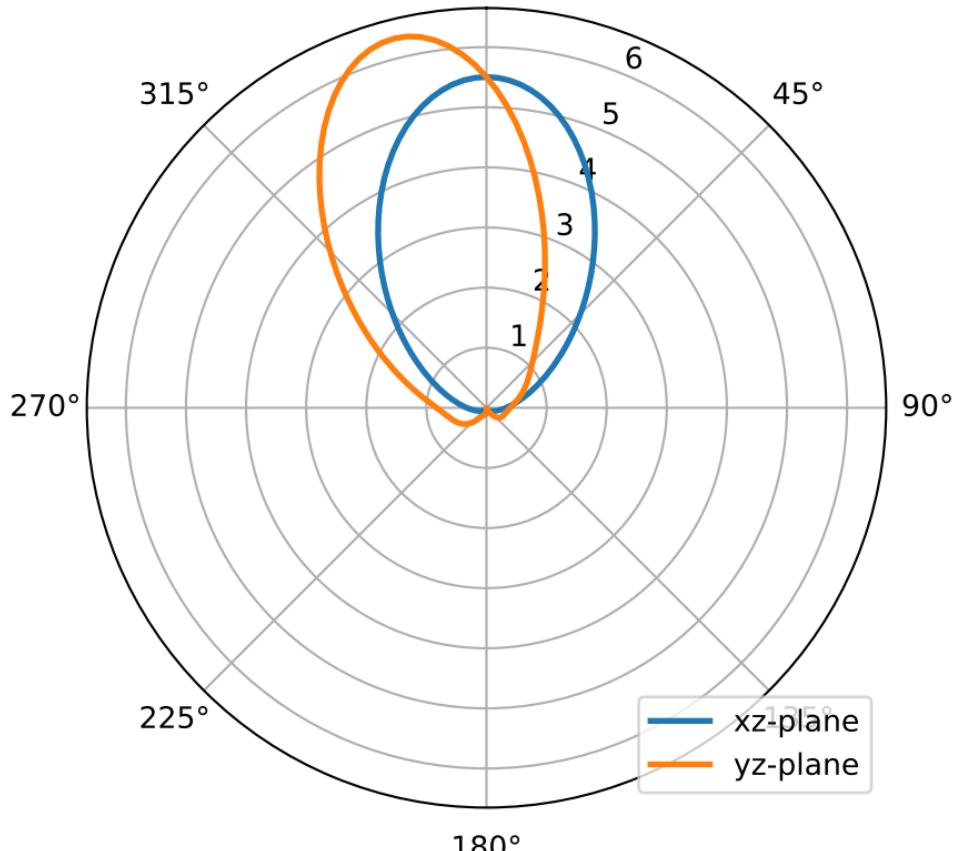


$f = 6.145$ GHz — Directivity (dB)
 D_{\max} (integrated) ≈ 8.02 dB, nf2ff $D_{\max} = 8.02$ dB

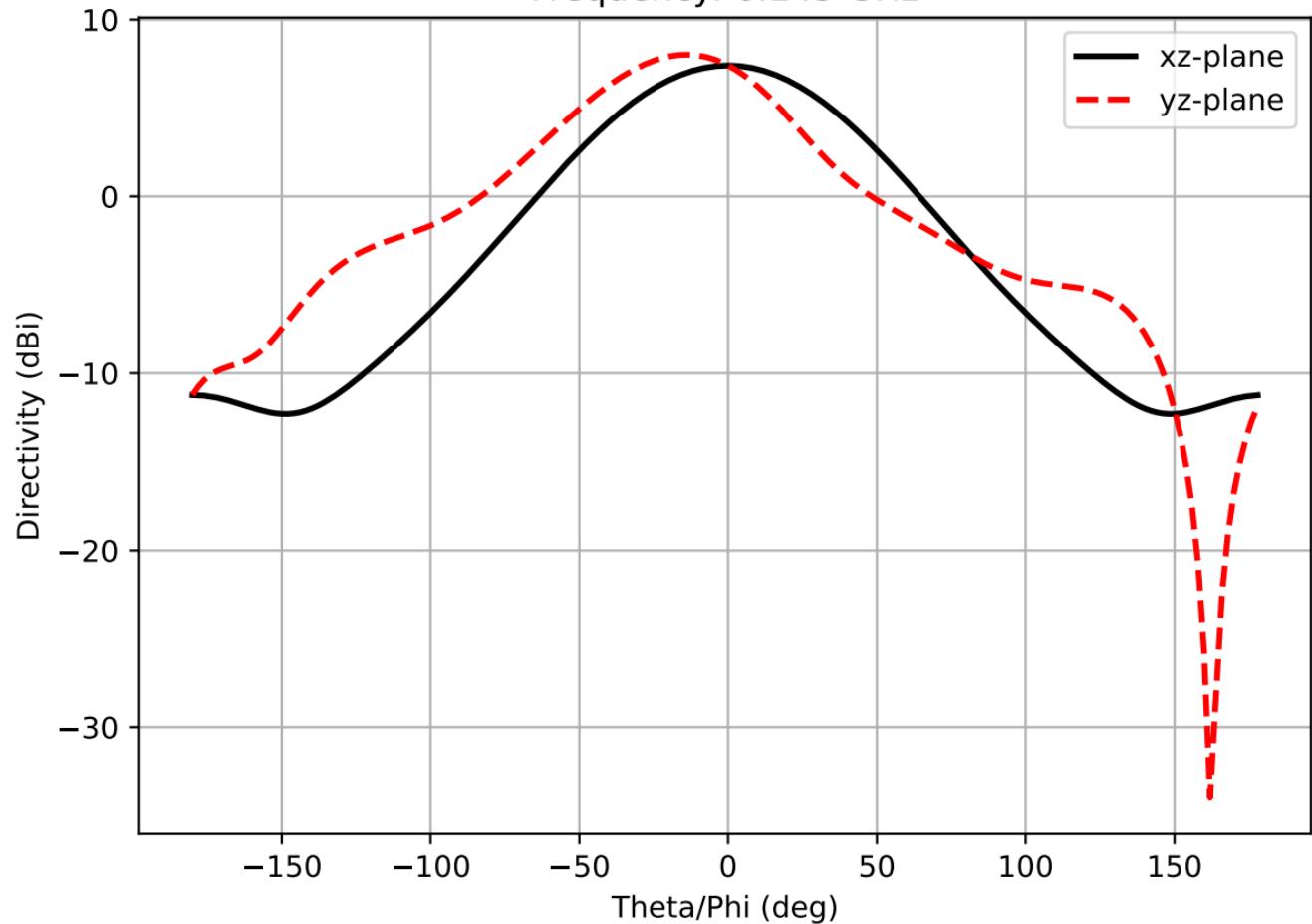


Frequency: 6.145 GHz — Directivity (linear). Dmax: 6.334

0°



Frequency: 6.145 GHz



3D Directivity Pattern
 $f = 6.145 \text{ GHz}$, $D_{\max} = 8.01 \text{ dBi}$

