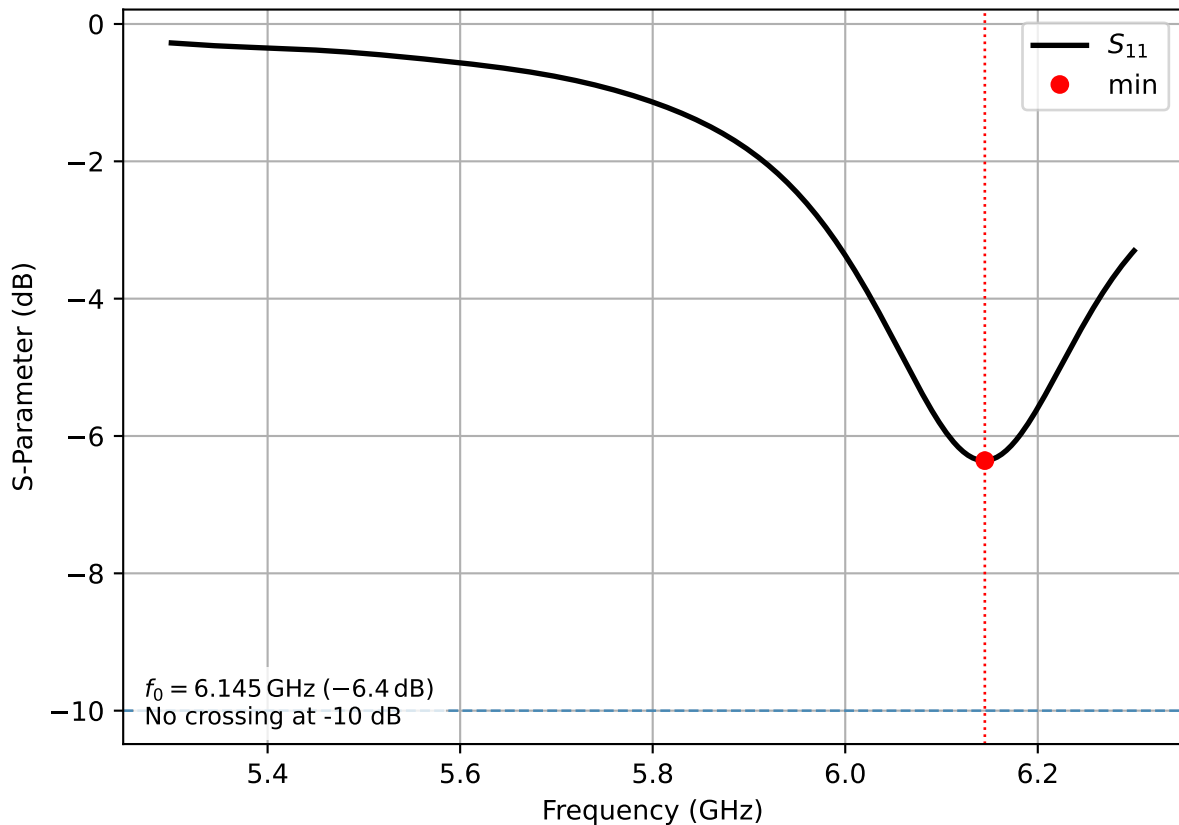
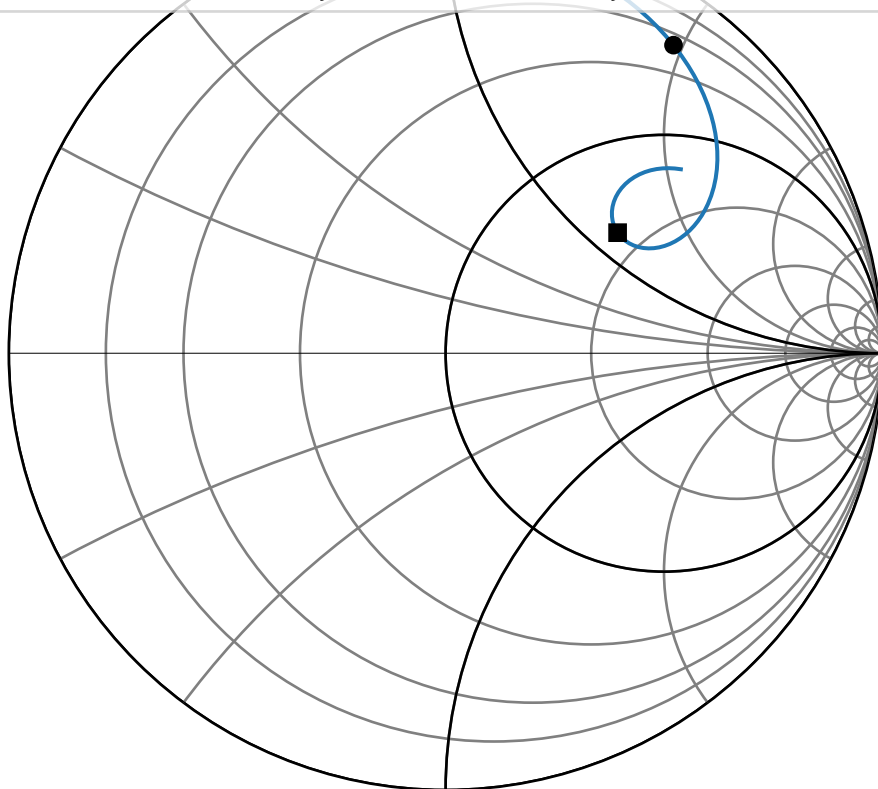


Reflection Coefficient S_{11}

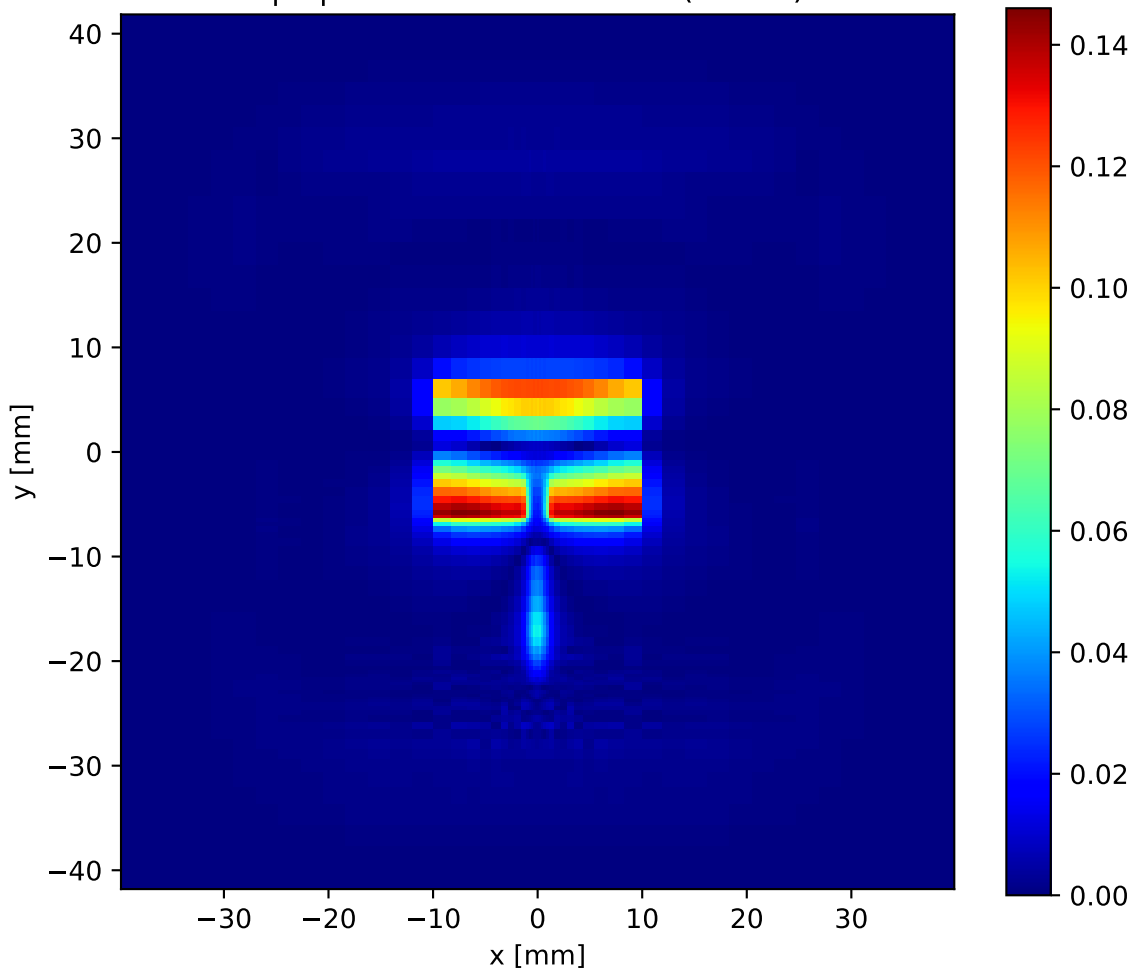


Smith Chart

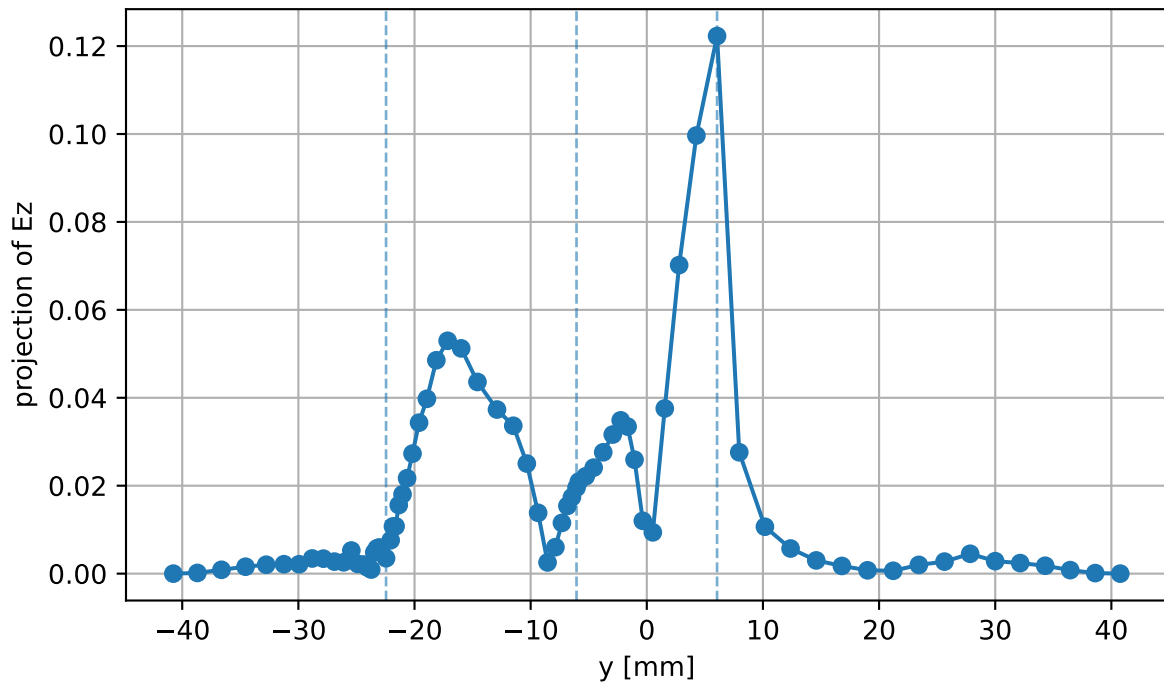
- S11 (Patch W=18.20 mm, L=12.10 mm)
- 5.80 GHz, S11=0.522+0.705j, R=31.72+194.25j, Gnorm=0.08-0.50j
- 6.14 GHz, S11=0.394+0.276j, R2=173.27+124.43j, G2norm=0.38-0.27j



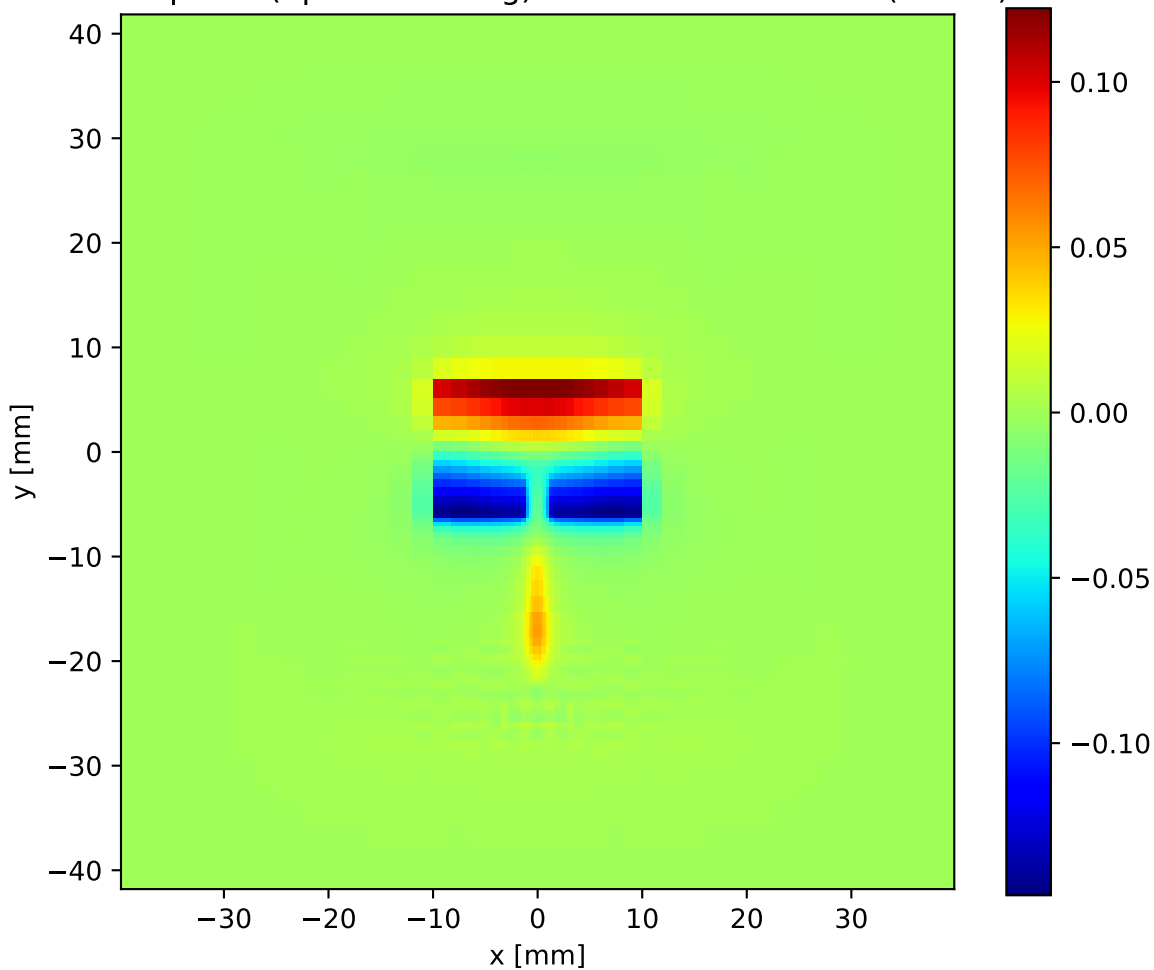
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



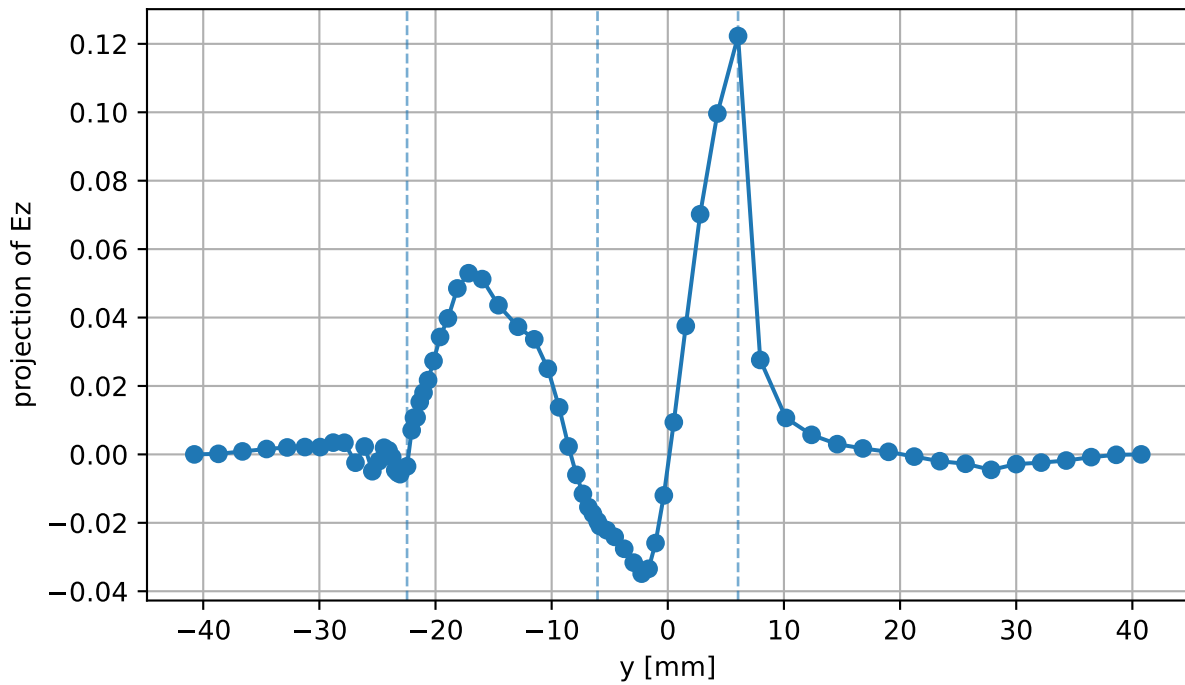
$|E_z|$ line cut along Y at $x=0.10$ mm, $z=0.76$ mm
(idx $x=28$, $z=15$)



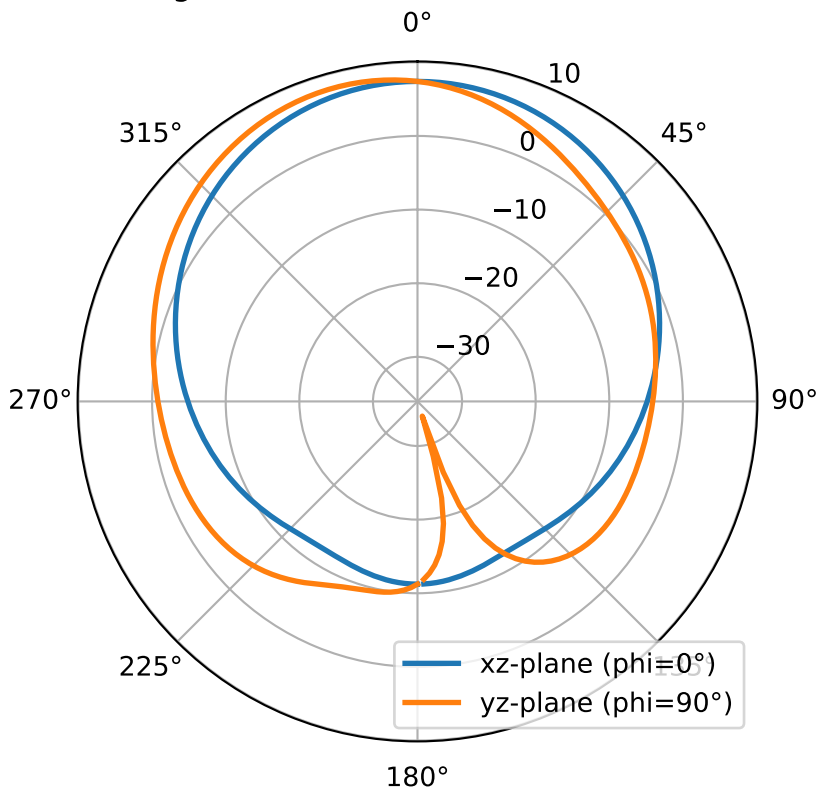
Ez snapshot (dphi=-0.86deg) slice at z = 0.76 mm (idx 15)



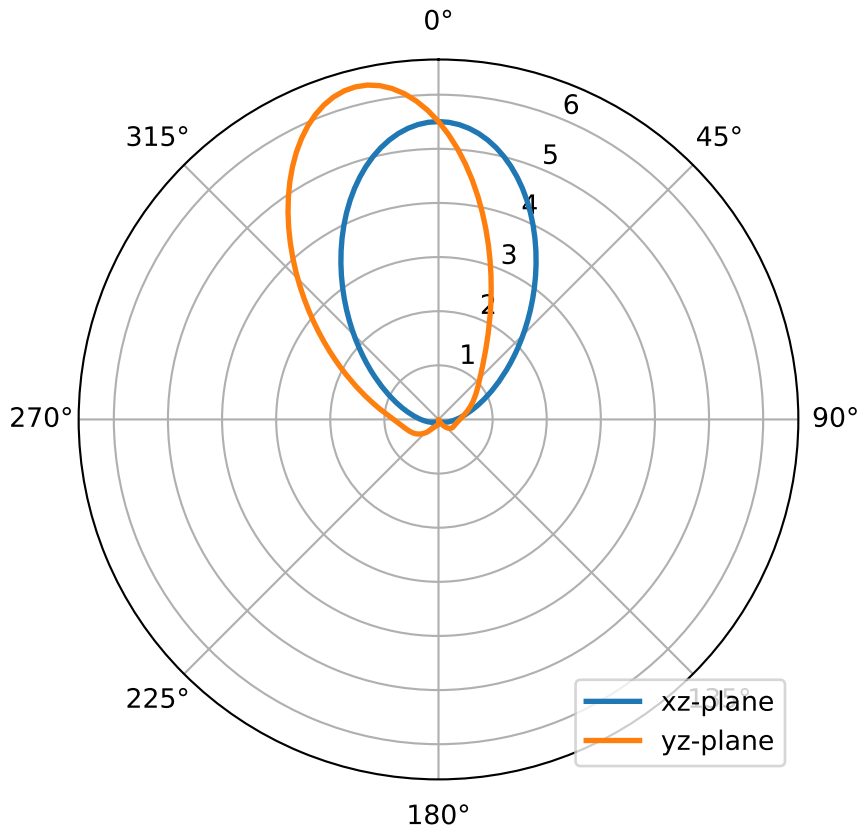
Ez snapshot (dphi=-0.86deg) line cut along Y at x=0.10 mm, z=0.76 mm
(idx x=28, z=15)



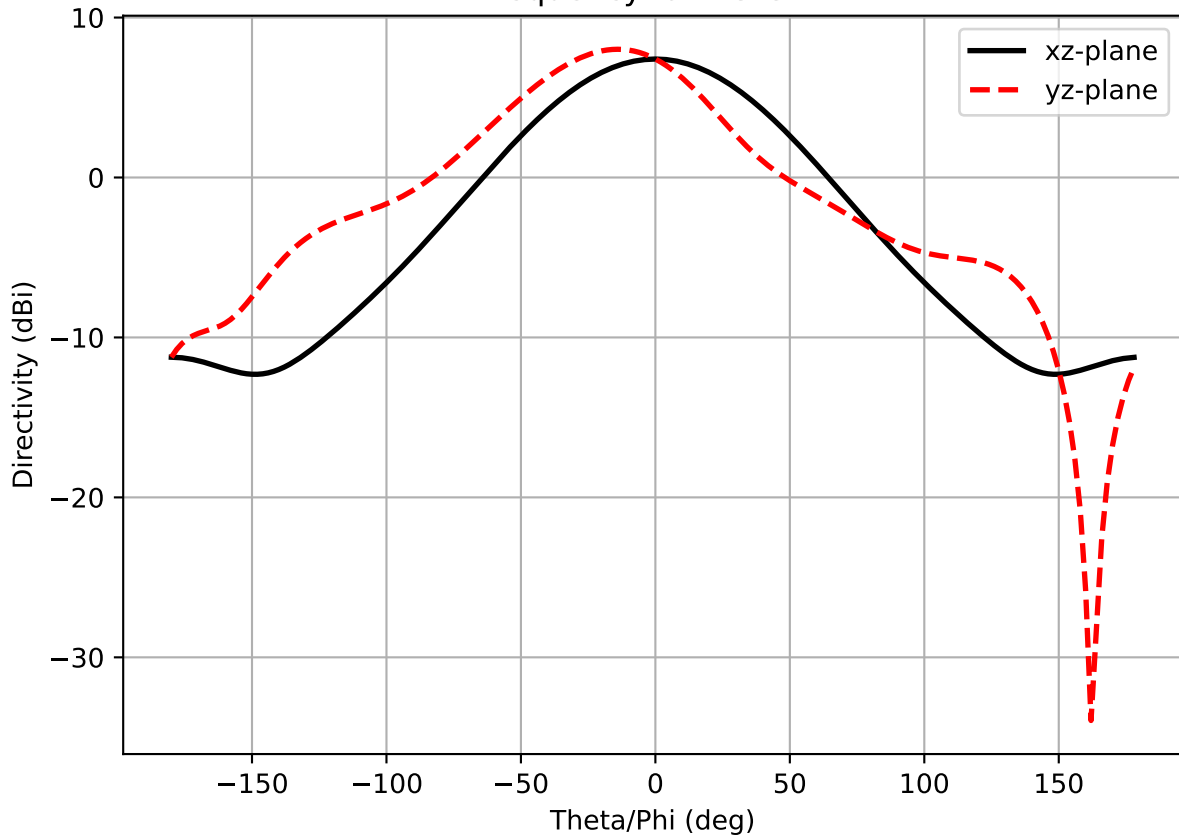
$f = 6.145 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 8.02 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 8.02 \text{ dB}$



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



Frequency: 6.145 GHz



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

