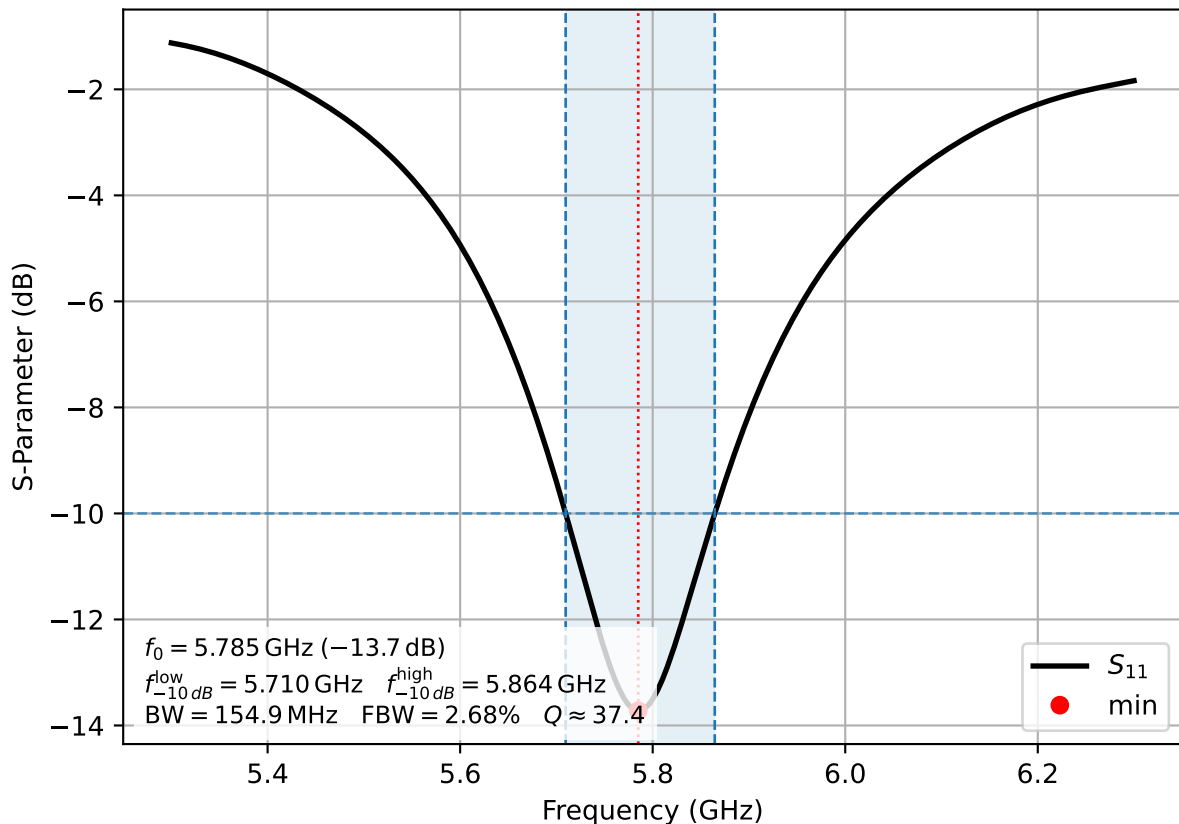


Reflection Coefficient S_{11}

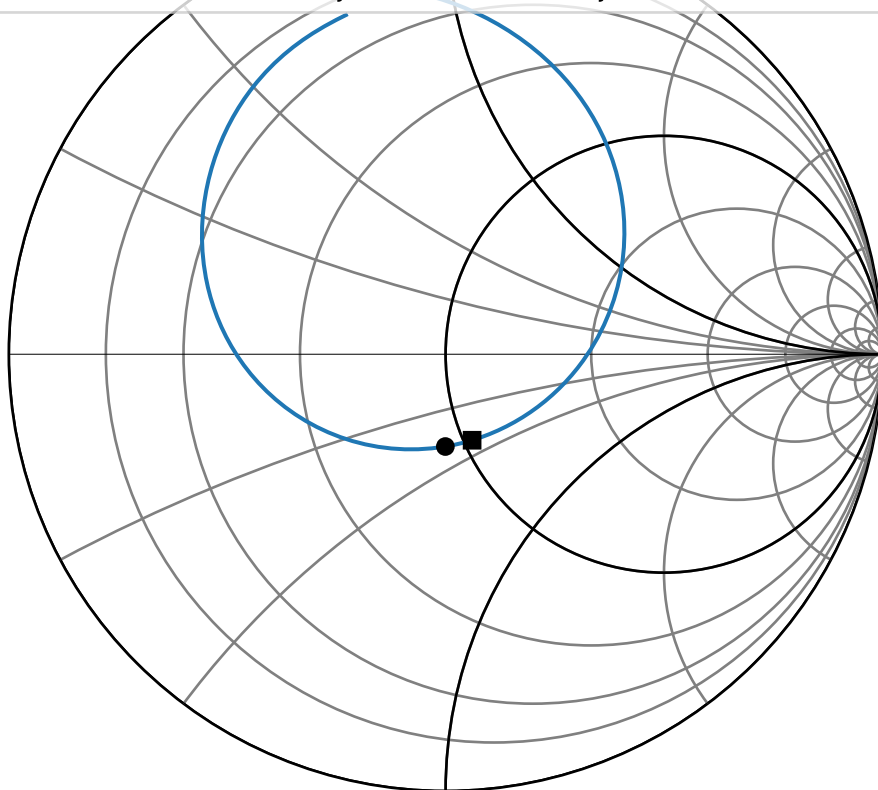


Smith Chart

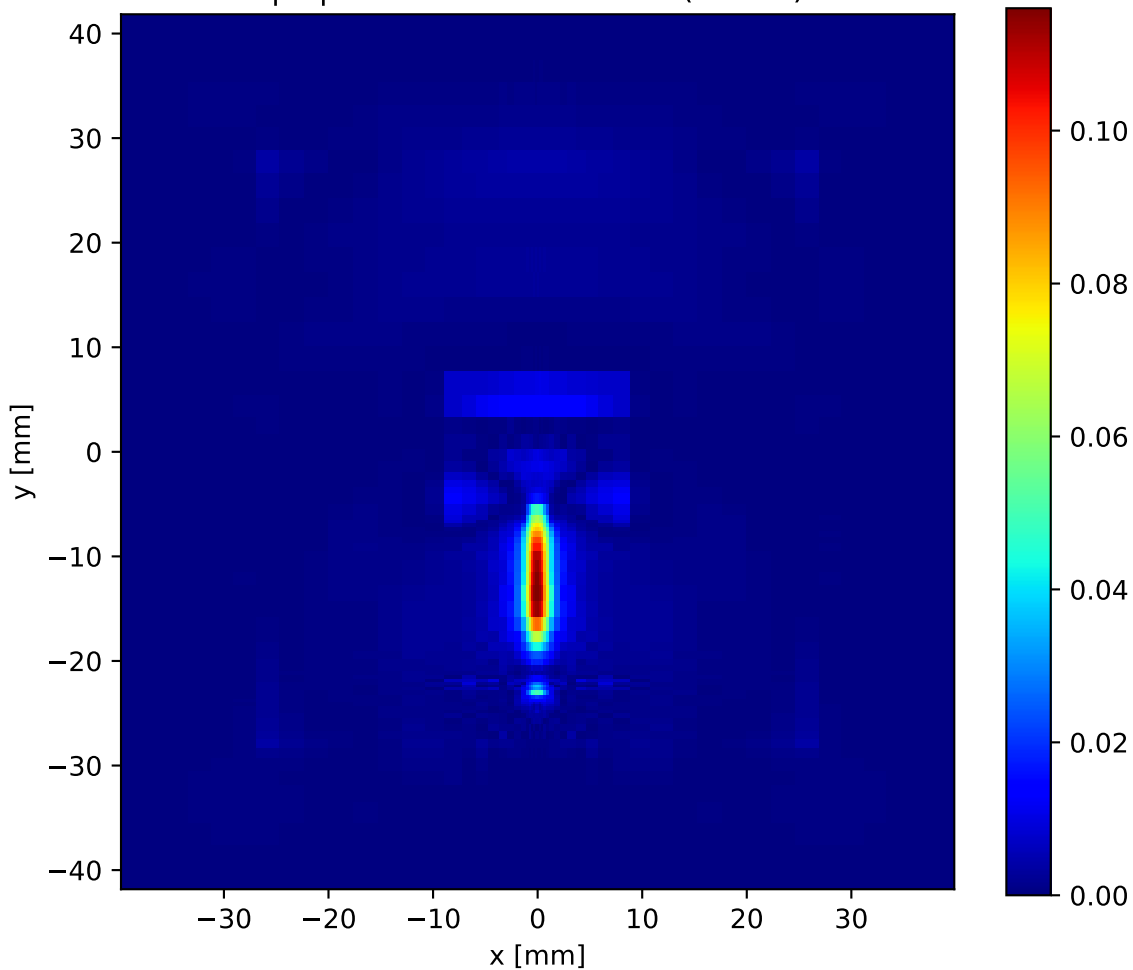
— S11 (Patch W=16.00 mm, L=13.10 mm)

● 5.80 GHz, S11=-0.001-0.211j, R=91.35-40.41j, Gnorm=0.92+0.40j

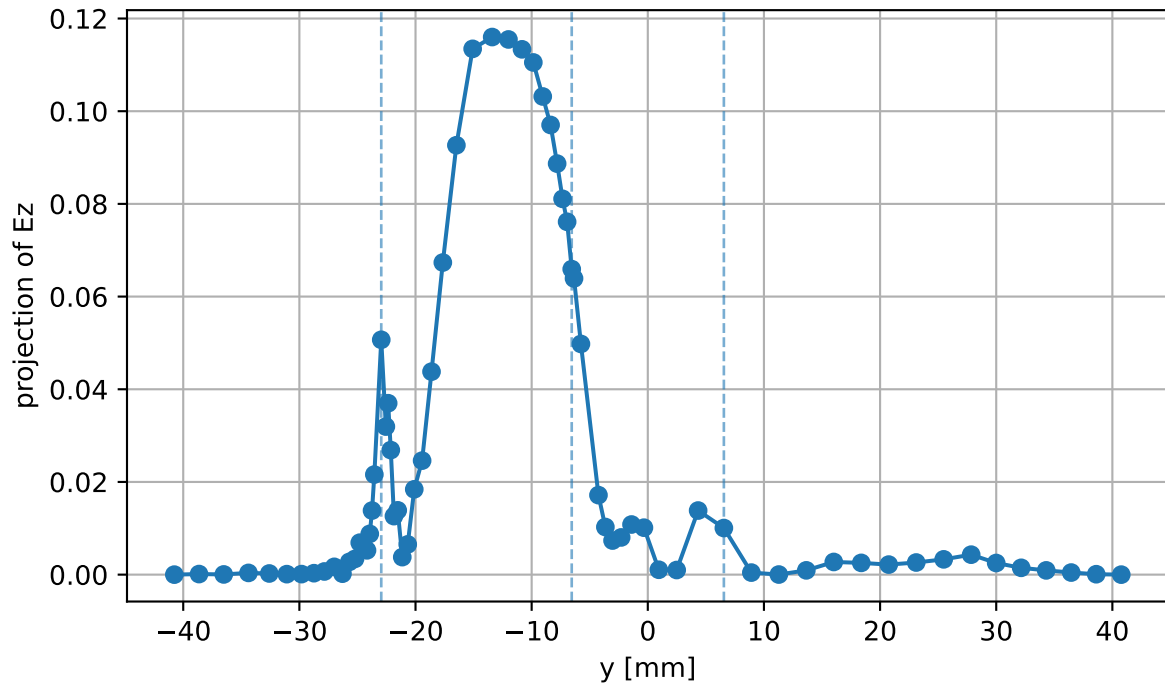
■ 5.79 GHz, S11=0.061-0.197j, R2=103.96-42.76j, G2norm=0.82+0.34j



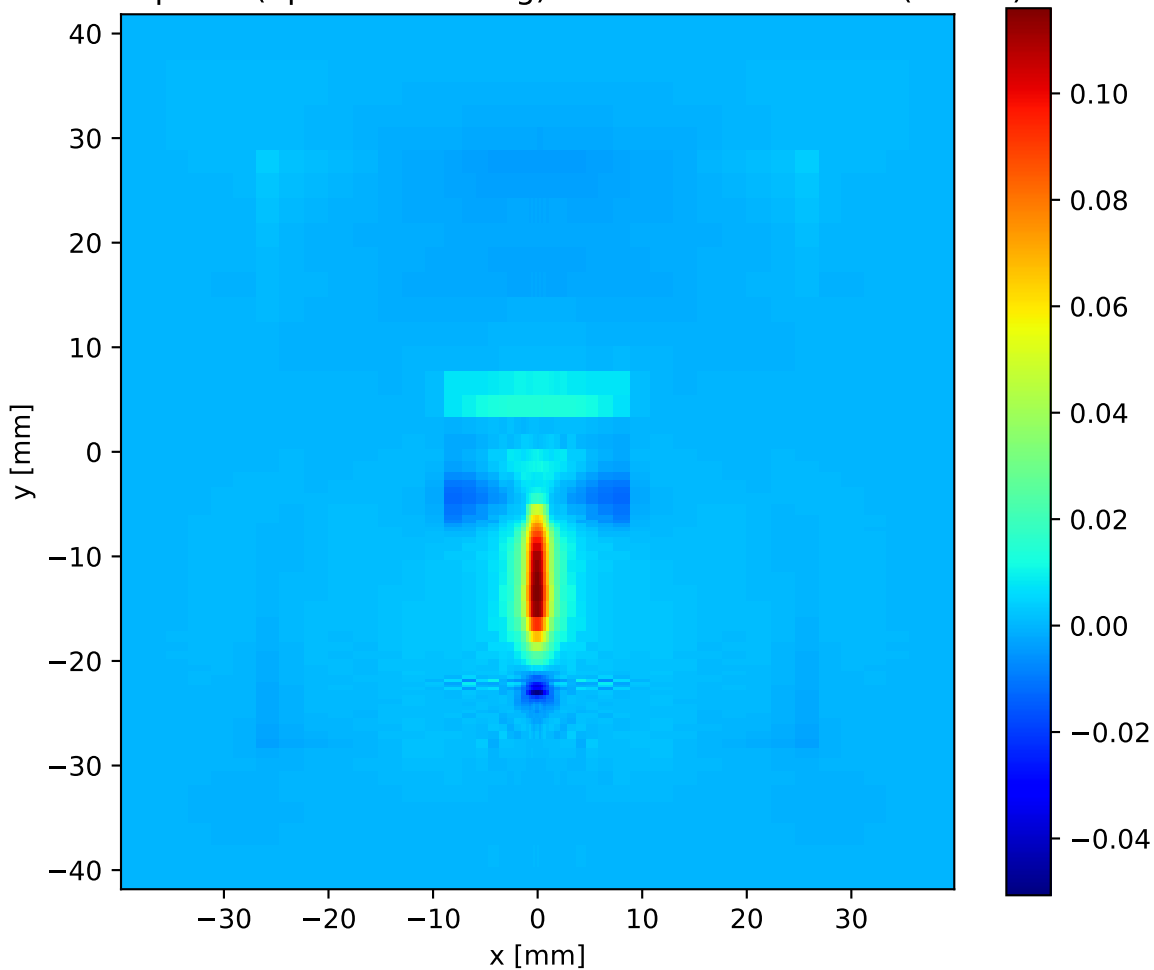
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



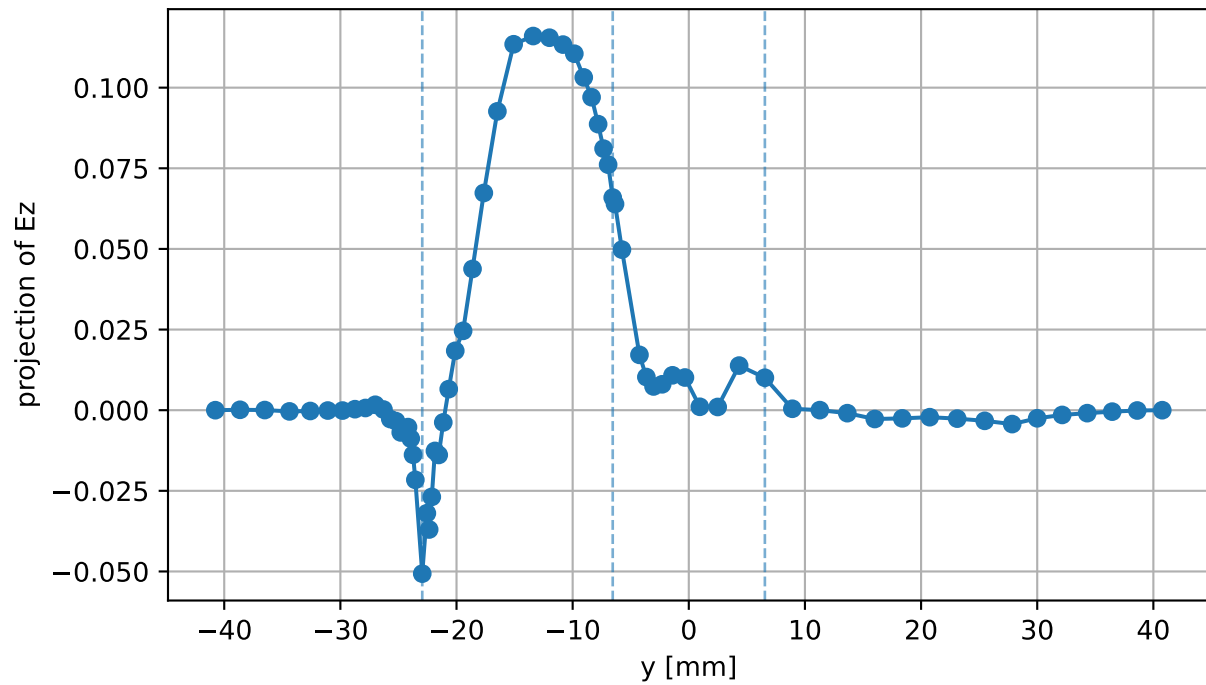
$|E_z|$ line cut along Y at $x=0.10$ mm, $z=0.76$ mm
(idx $x=27$, $z=15$)



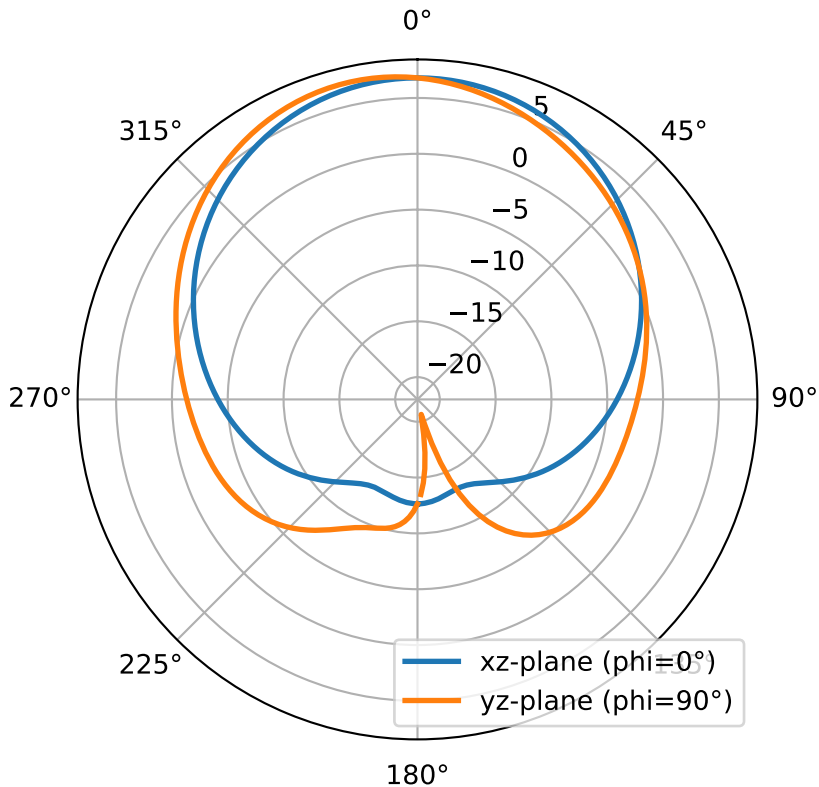
Ez snapshot (dphi=180.00deg) slice at z = 0.76 mm (idx 15)



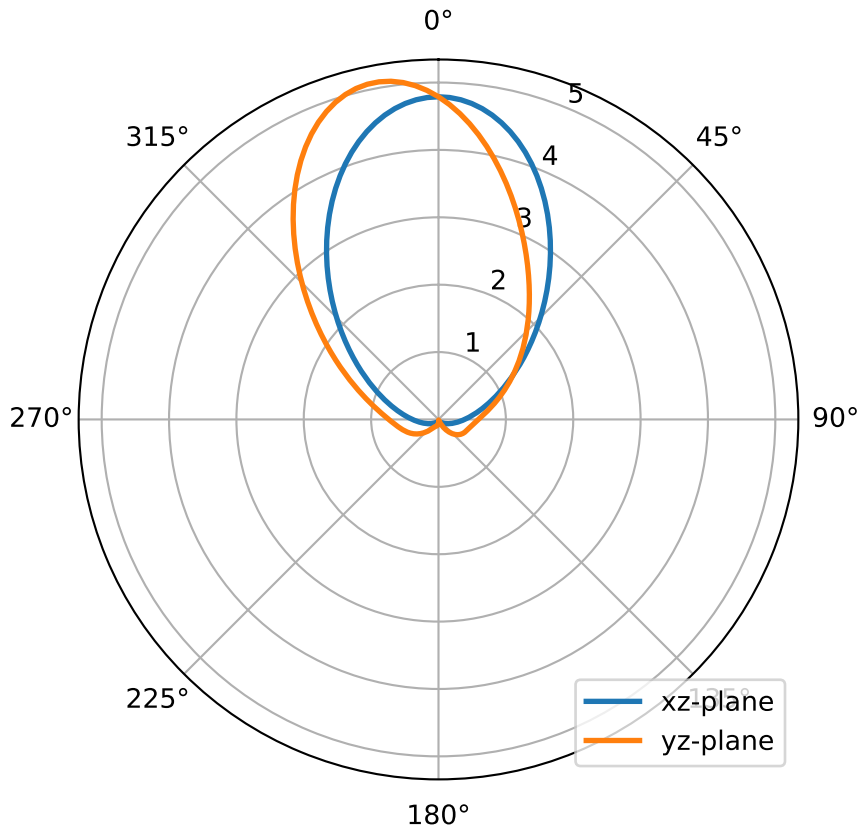
Ez snapshot (dphi=180.00deg) line cut along Y at x=0.10 mm, z=0.76 mm
(idx x=27, z=15)



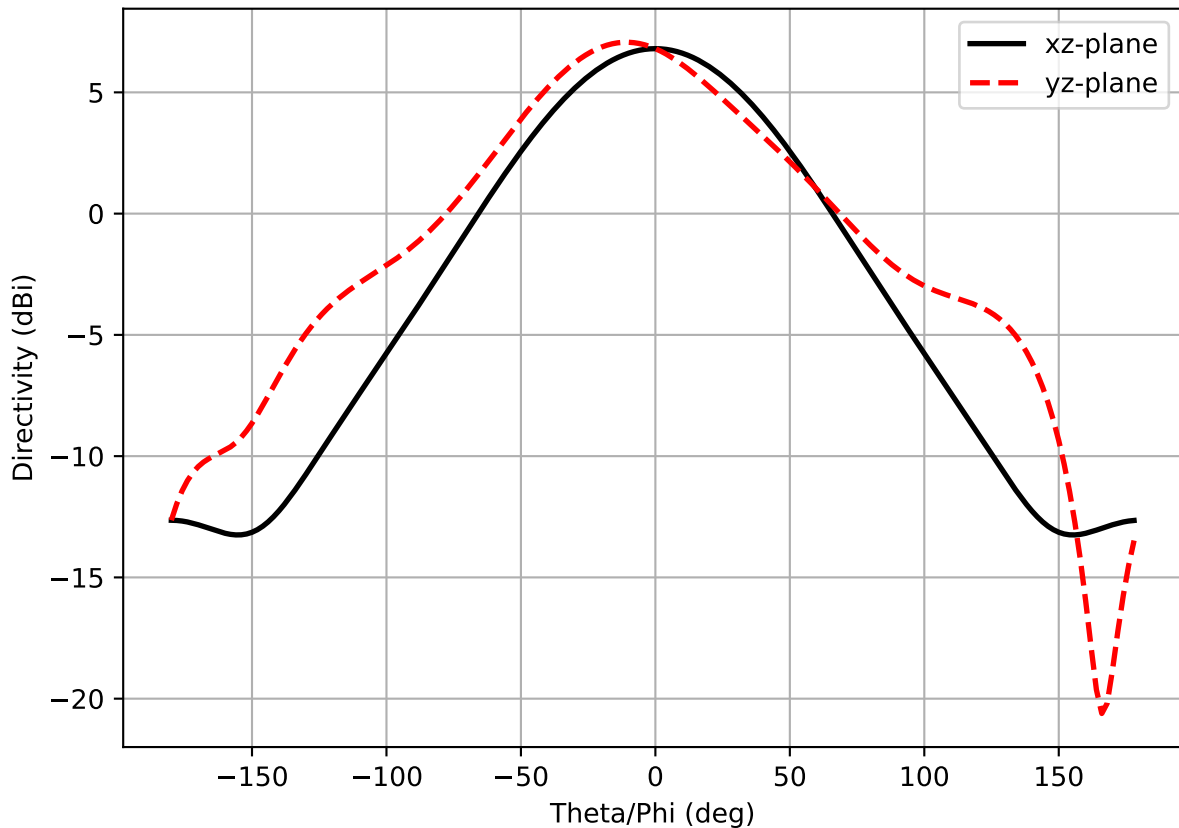
$f = 5.785 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 7.07 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 7.07 \text{ dB}$



Frequency: 5.785 GHz — Directivity (linear). Dmax: 5.088



Frequency: 5.785 GHz



3D Directivity Pattern
 $f = 5.785 \text{ GHz}$, $D_{\text{max}} = 7.07 \text{ dBi}$

