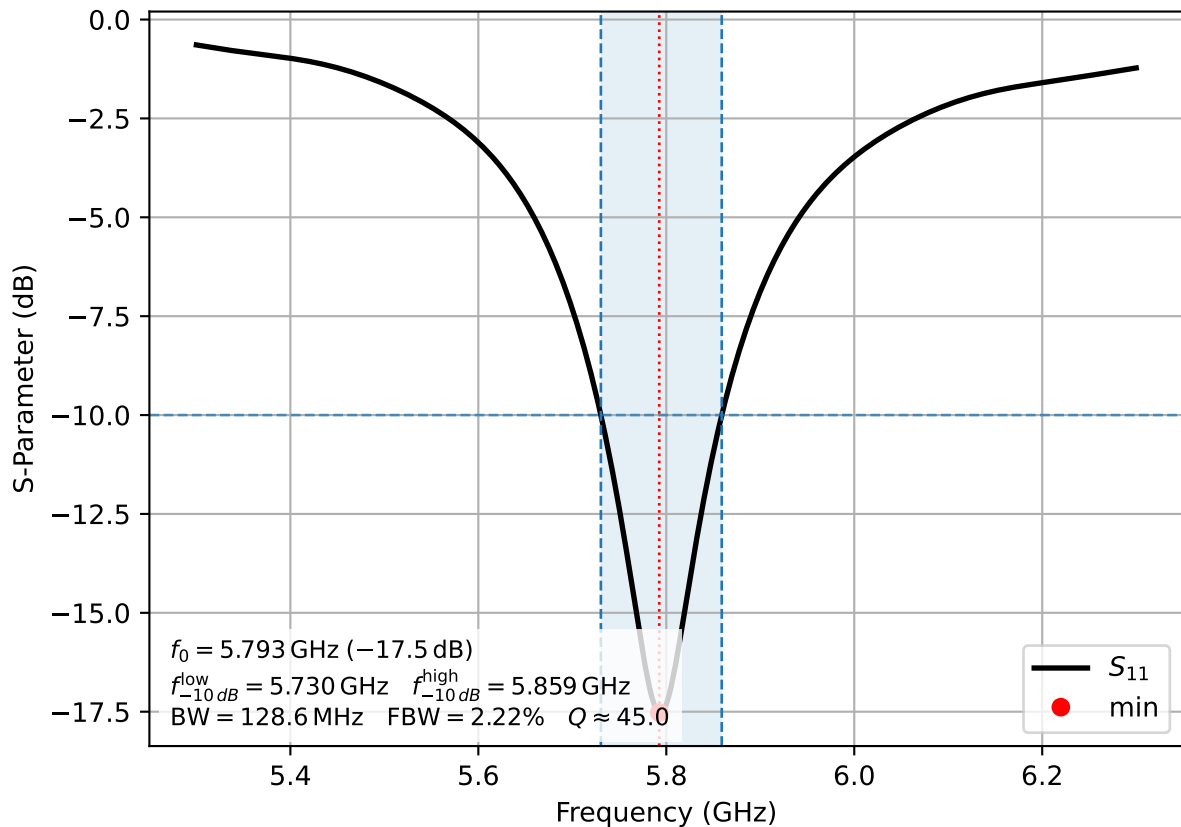
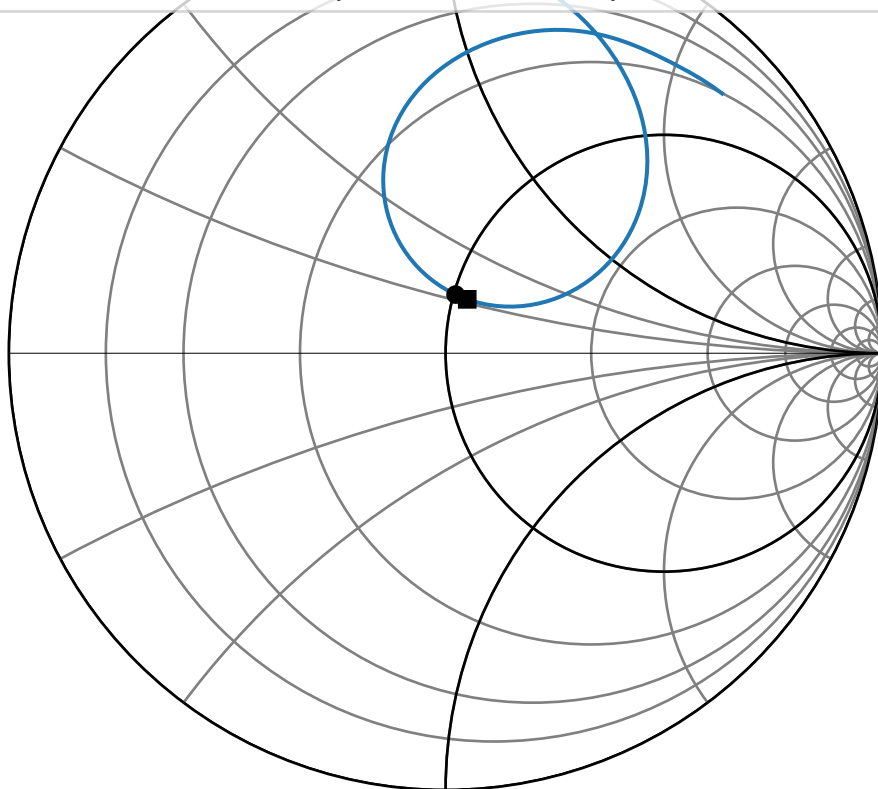


Reflection Coefficient S_{11}

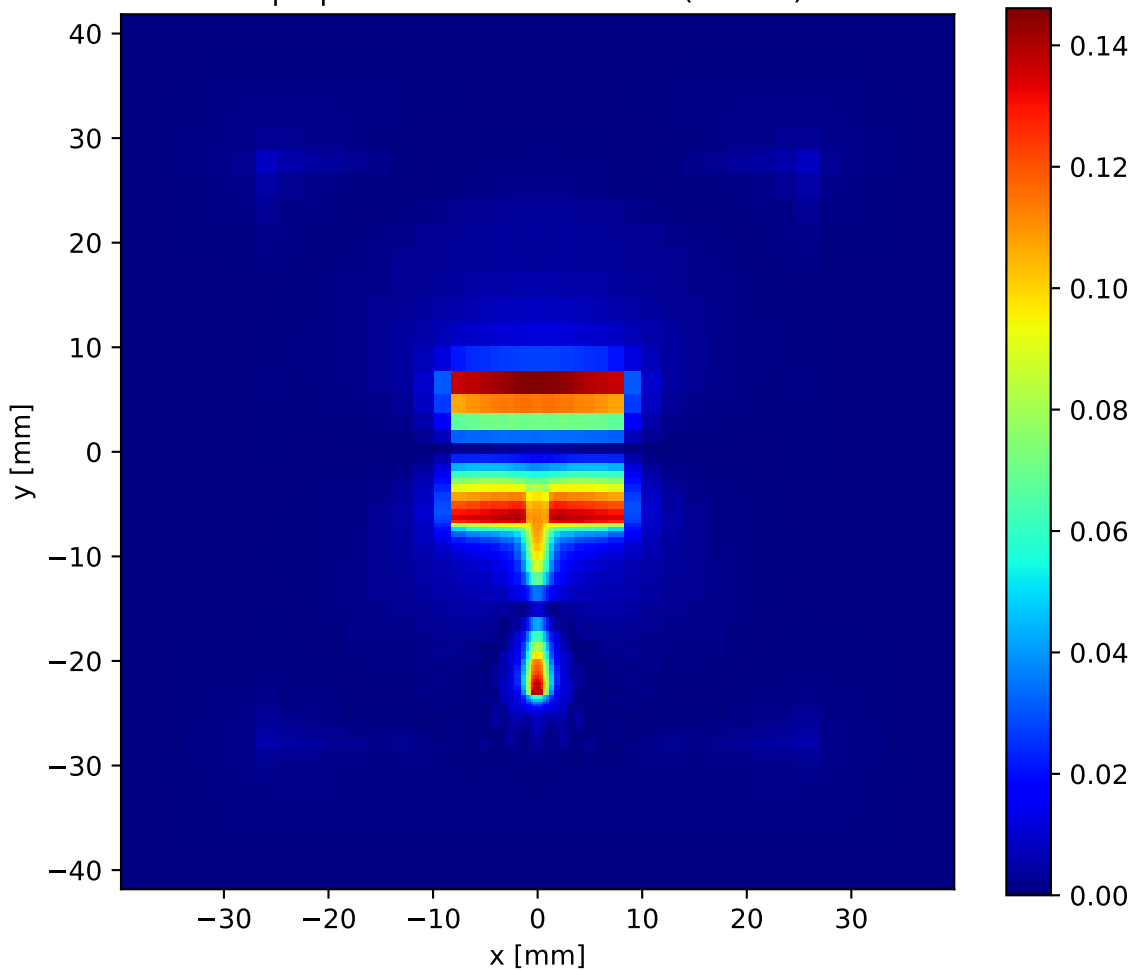


Smith Chart

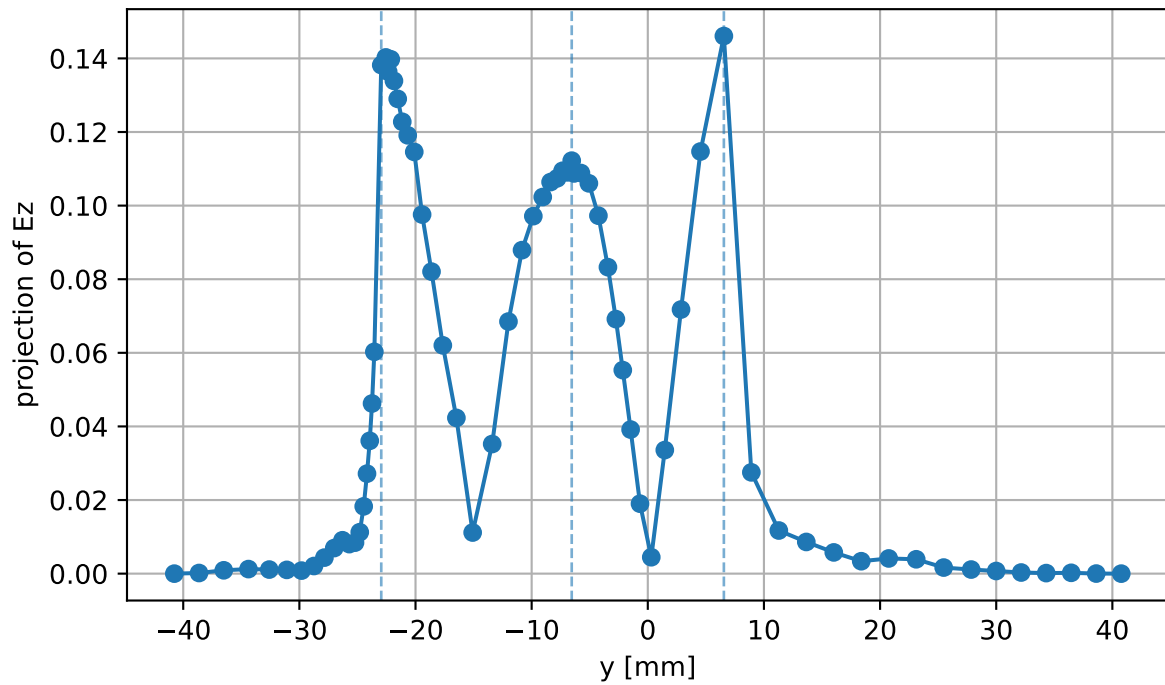
- S11 (Patch W=15.00 mm, L=13.10 mm)
- 5.80 GHz, $S_{11}=0.023+0.134j$, $R=100.88+27.62j$, $G_{\text{norm}}=0.92-0.25j$
- 5.79 GHz, $S_{11}=0.050+0.123j$, $R_2=106.94+26.87j$, $G_{2\text{norm}}=0.88-0.22j$



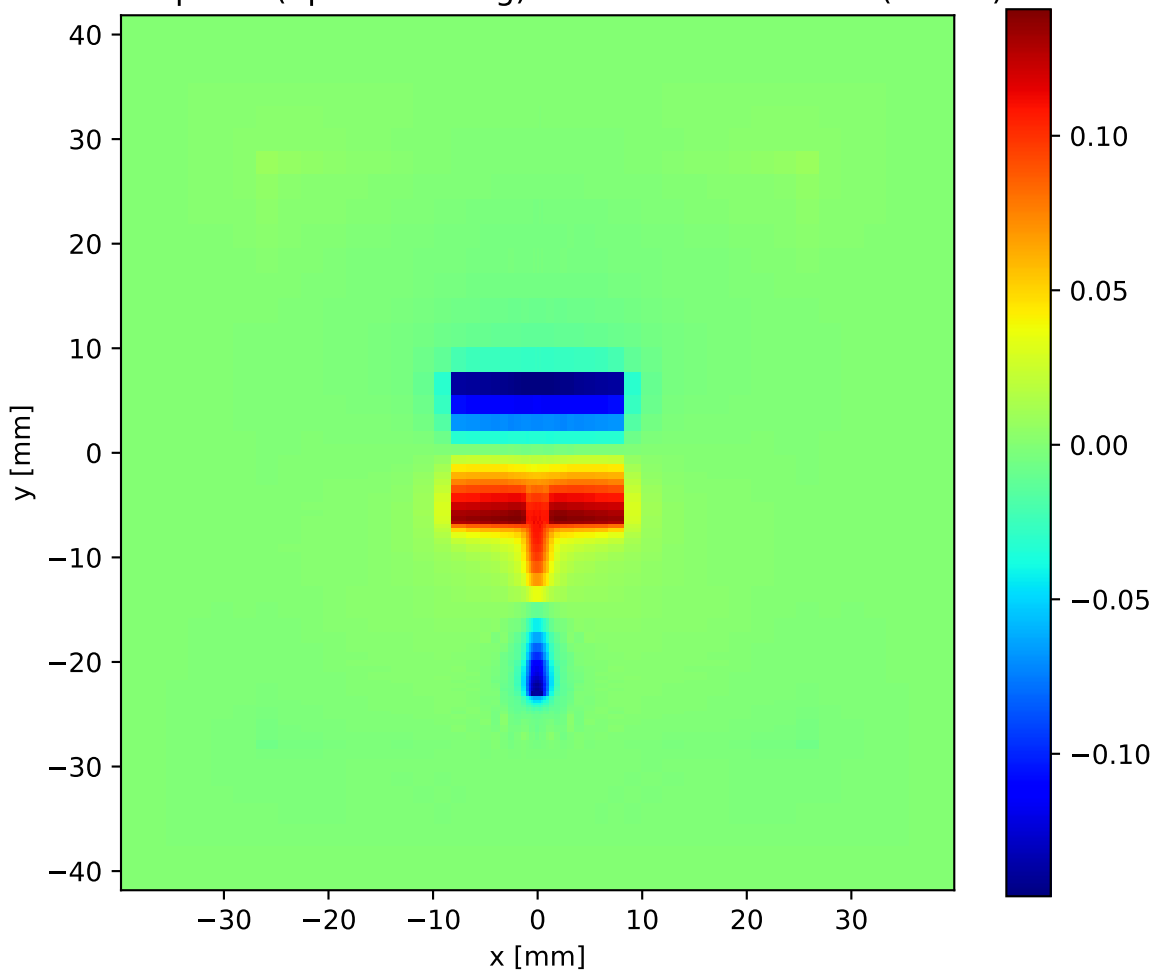
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



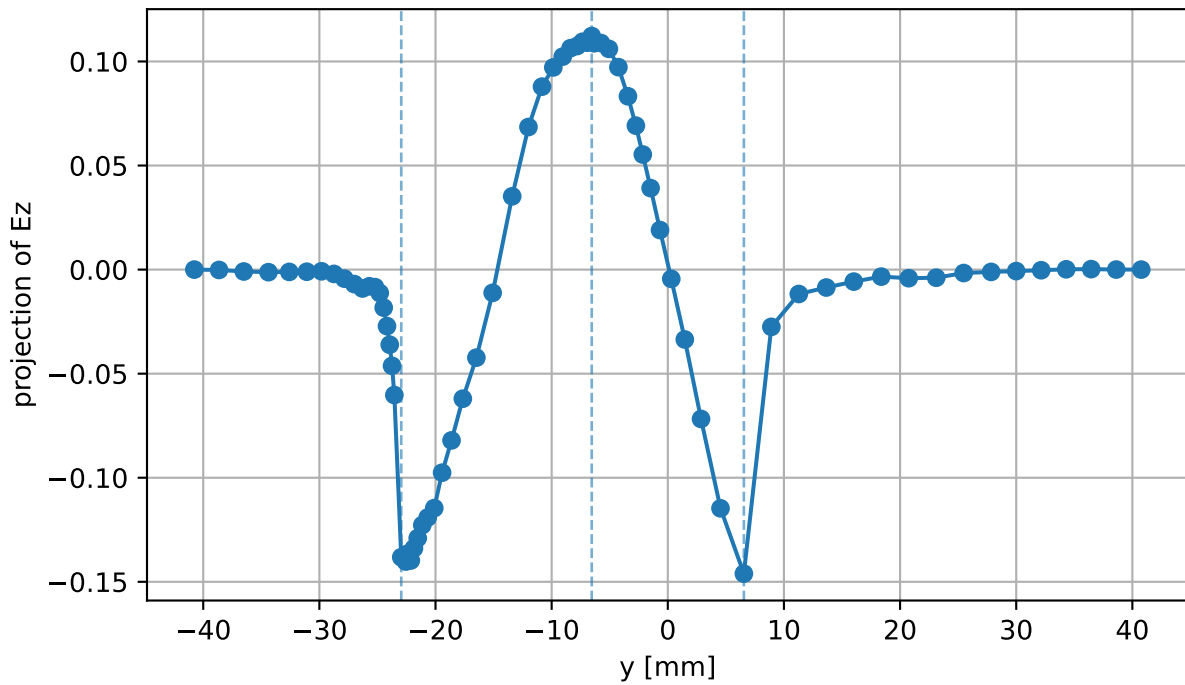
$|E_z|$ line cut along Y at $x=0.10$ mm, $z=0.76$ mm
(idx $x=28$, $z=15$)



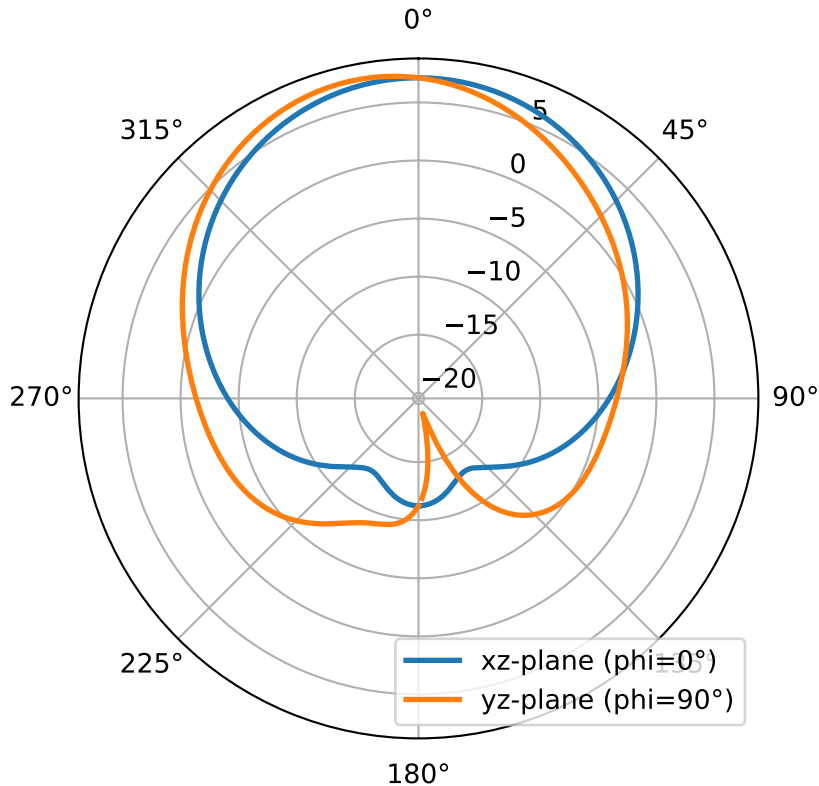
Ez snapshot (dphi=0.00deg) slice at $z = 0.76$ mm (idx 15)



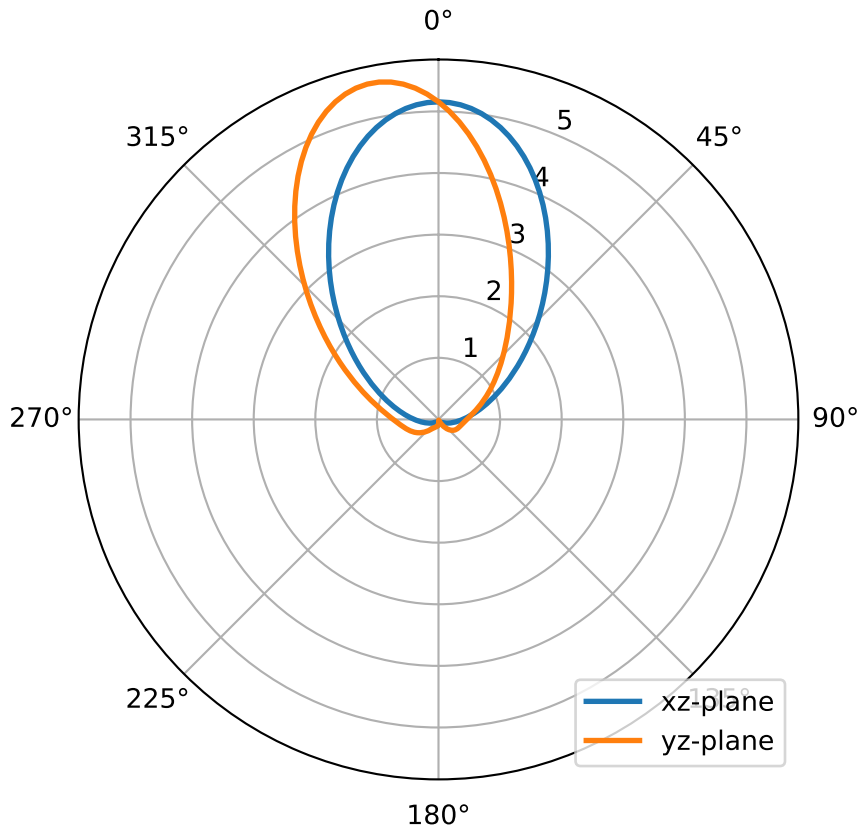
Ez snapshot (dphi=0.00deg) line cut along Y at x=0.10 mm, z=0.76 mm
(idx x=28, z=15)



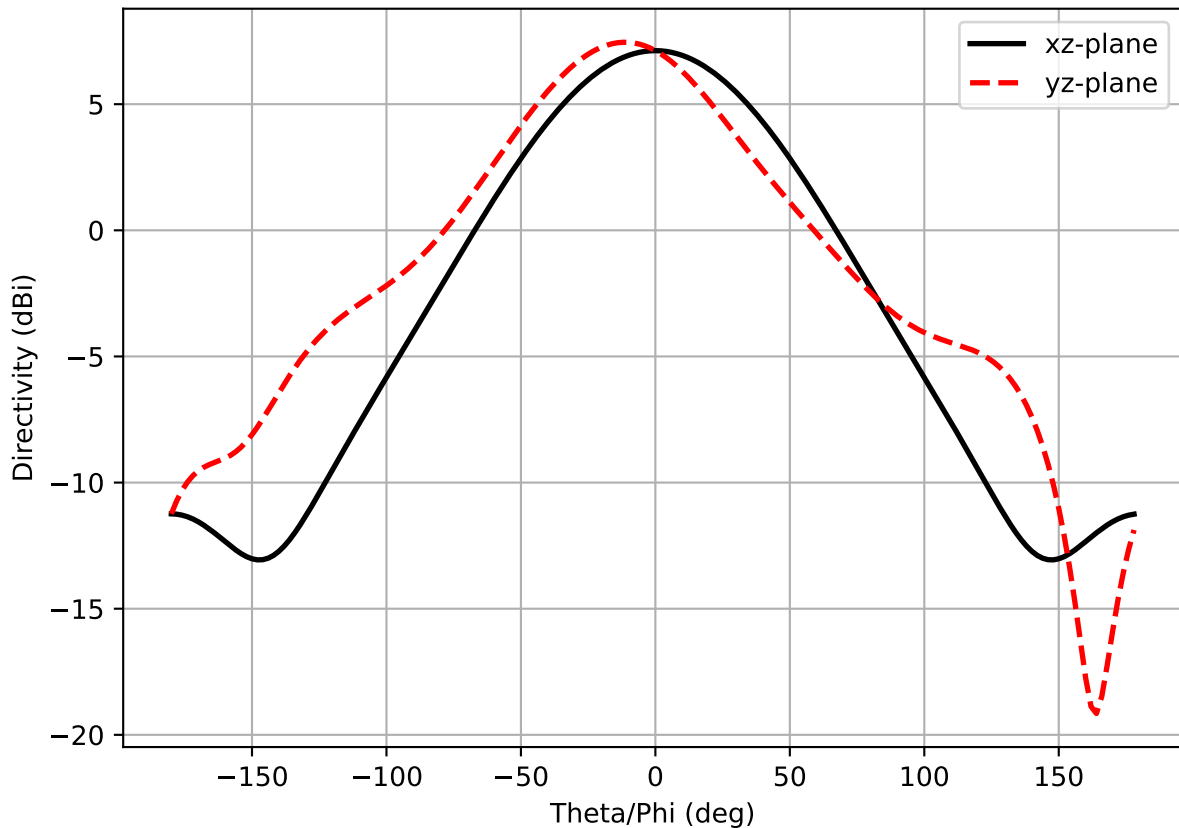
$f = 5.793 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 7.45 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 7.45 \text{ dB}$



Frequency: 5.793 GHz — Directivity (linear). Dmax: 5.565



Frequency: 5.793 GHz



3D Directivity Pattern
 $f = 5.793 \text{ GHz}$, $D_{\text{max}} = 7.45 \text{ dBi}$

