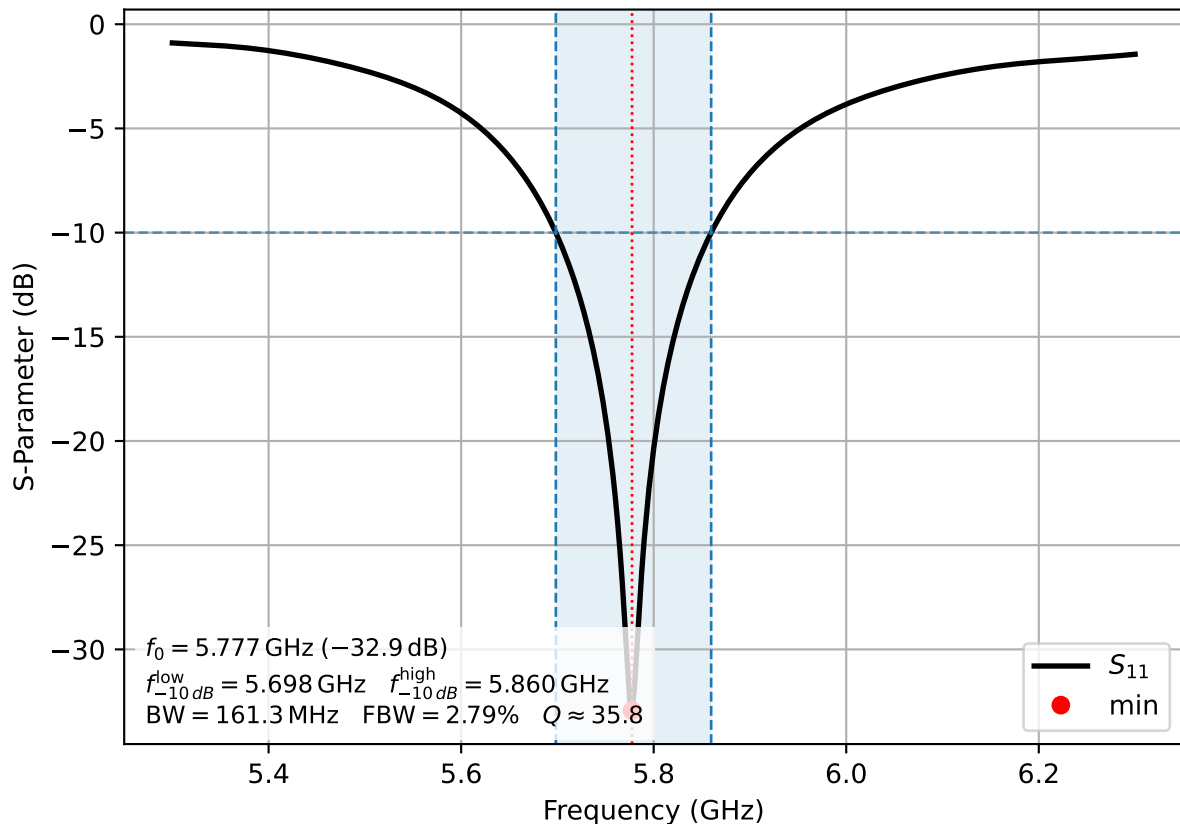


Reflection Coefficient S_{11}

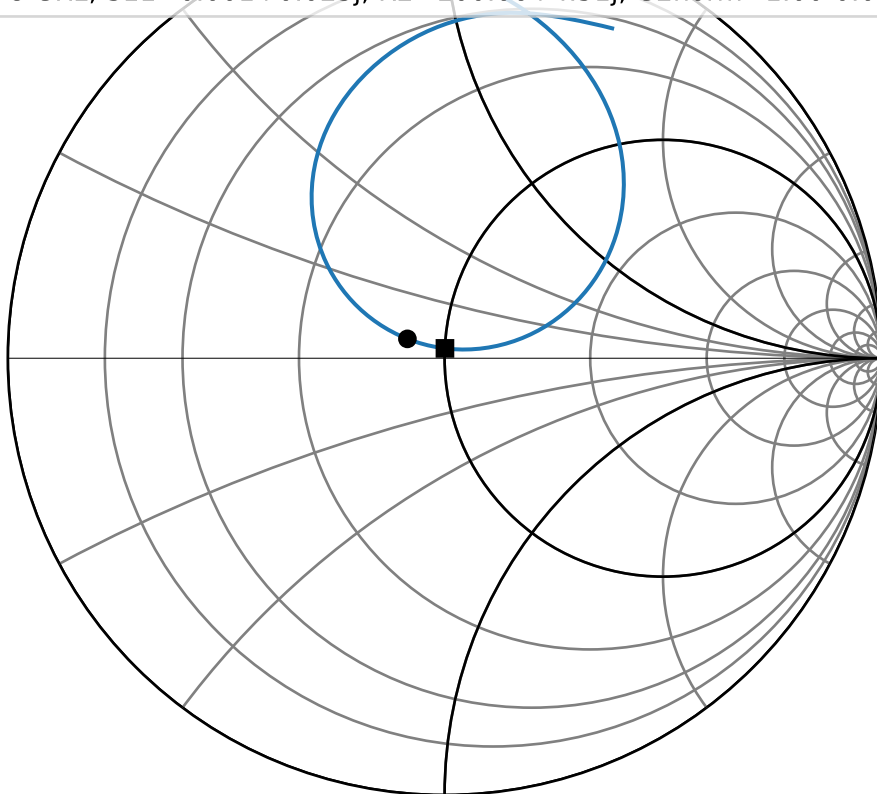


Smith Chart

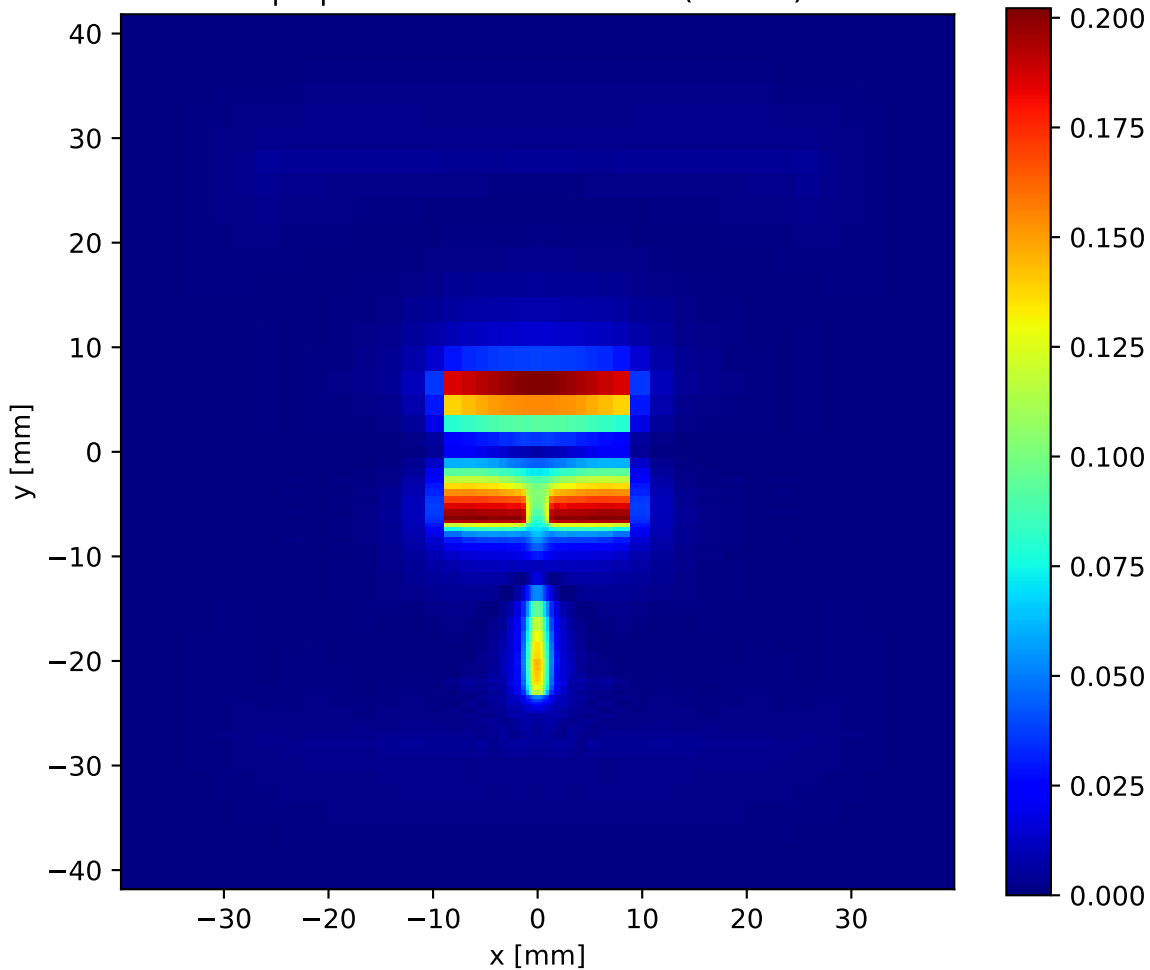
— S11 (Patch W=16.00 mm, L=13.10 mm)

● 5.80 GHz, $S_{11}=-0.085+0.044j$, $R=84.00+7.52j$, $G_{\text{norm}}=1.18-0.11j$

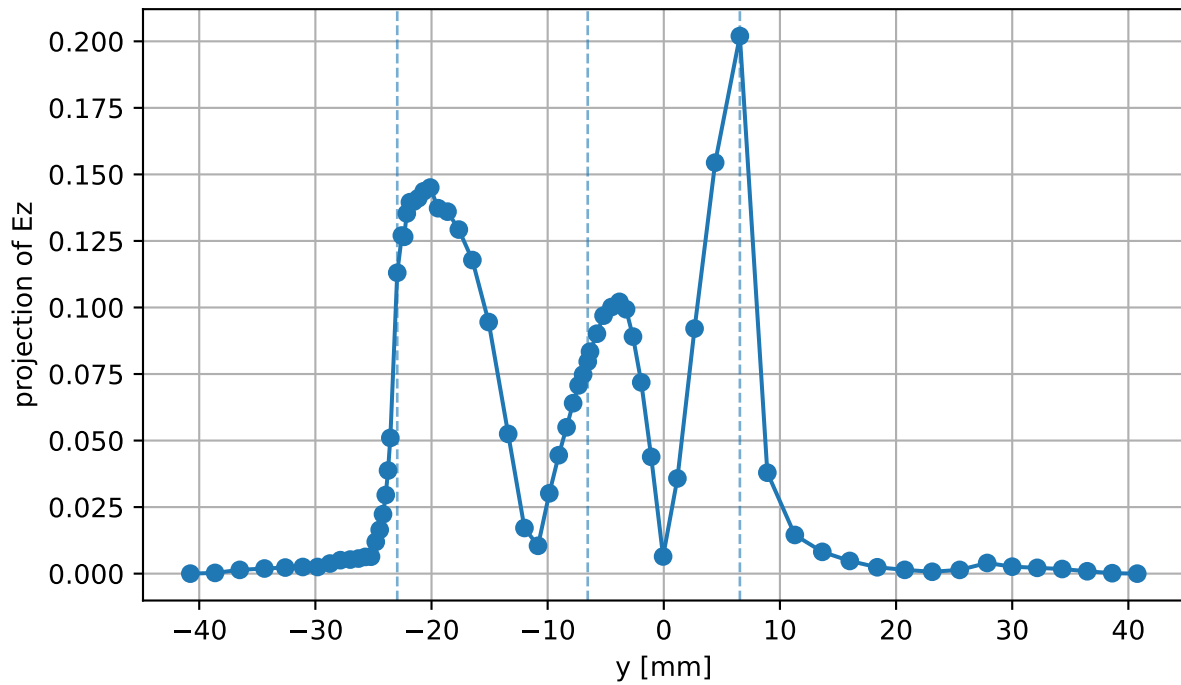
■ 5.78 GHz, $S_{11}=0.001+0.023j$, $R_2=100.06+4.51j$, $G_{2\text{norm}}=1.00-0.04j$



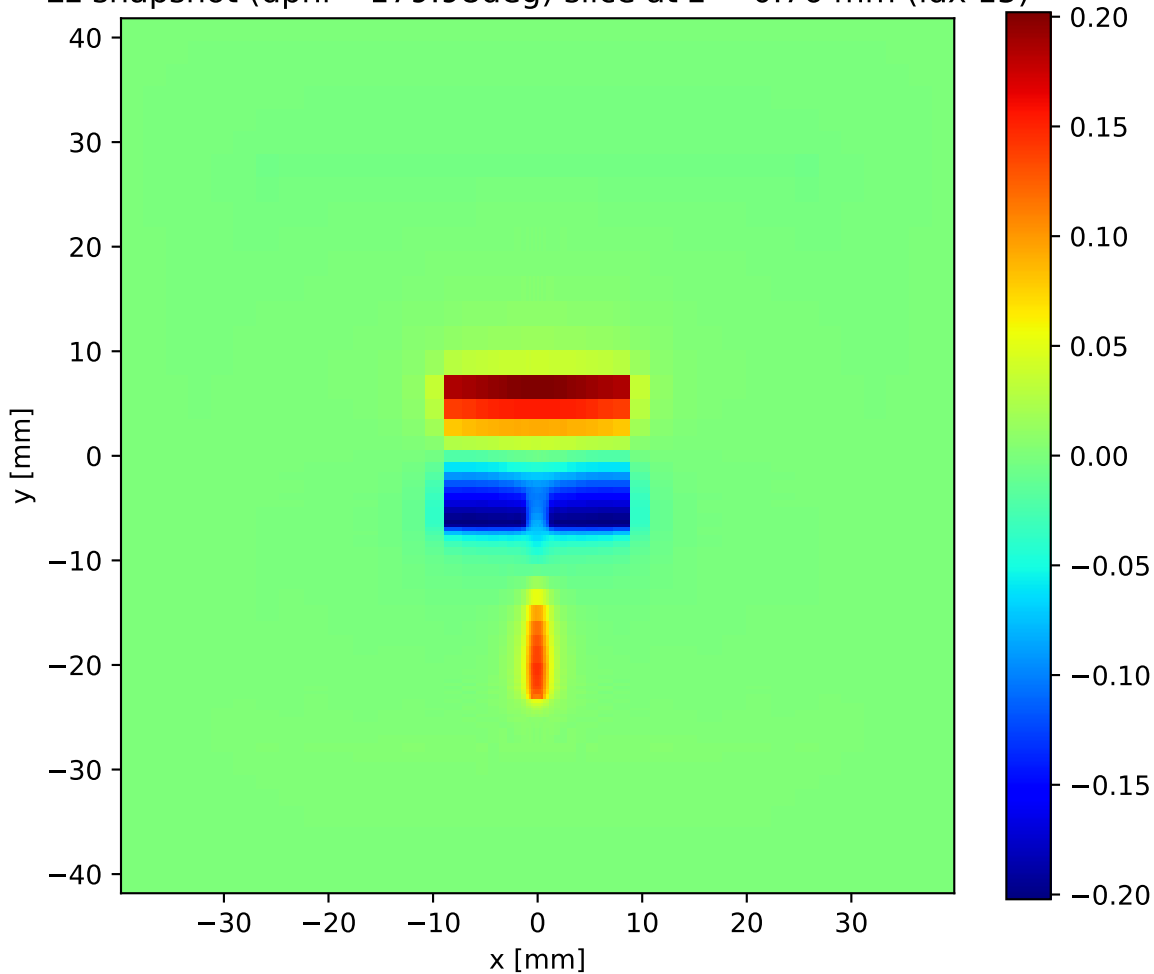
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



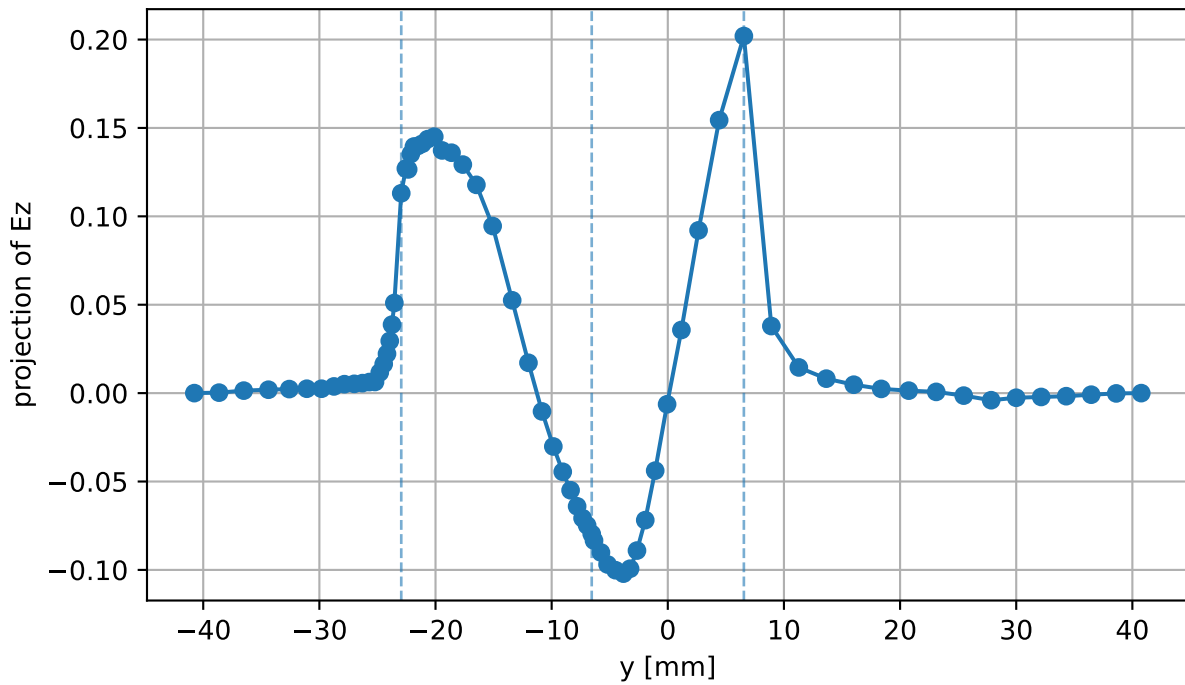
$|E_z|$ line cut along Y at $x=0.10$ mm, $z=0.76$ mm
(idx $x=27$, $z=15$)



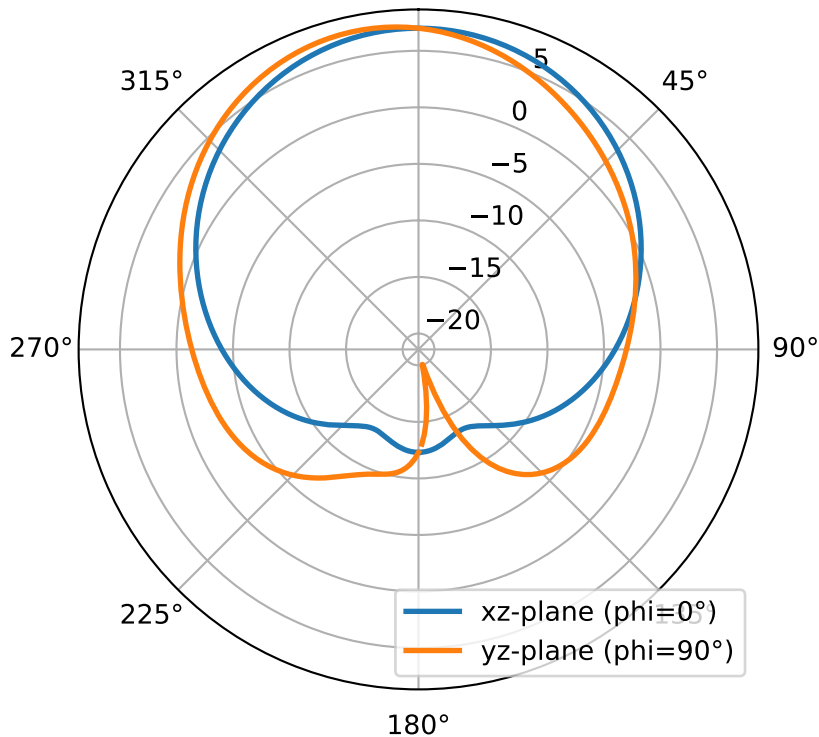
Ez snapshot (dphi=-179.98deg) slice at z = 0.76 mm (idx 15)



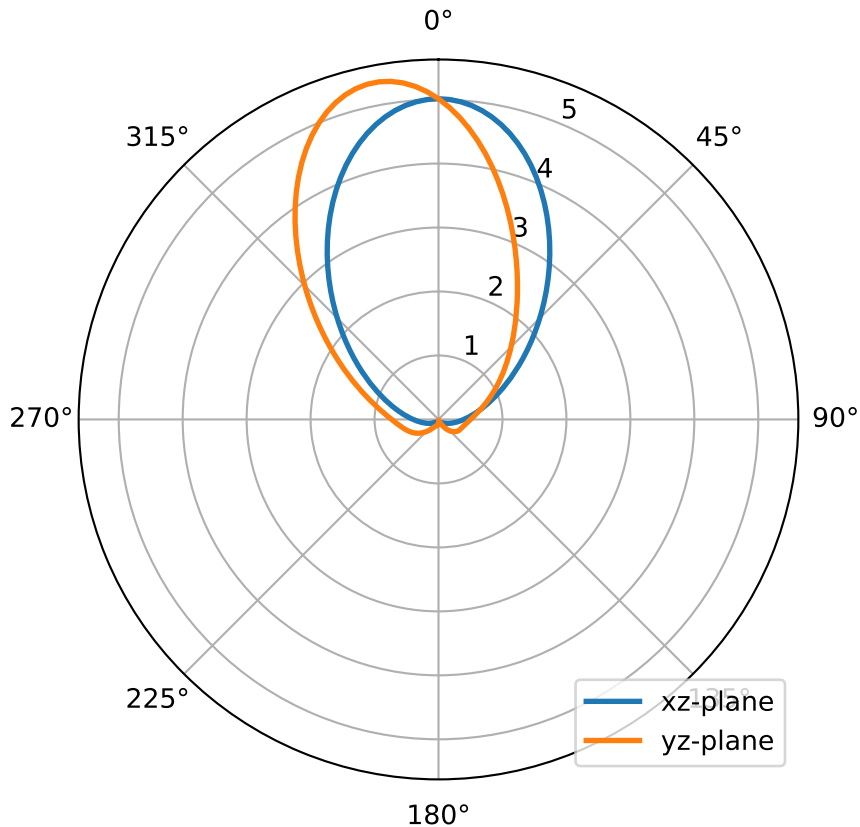
Ez snapshot (dphi=-179.98deg) line cut along Y at x=0.10 mm, z=0.76 mm
(idx x=27, z=15)



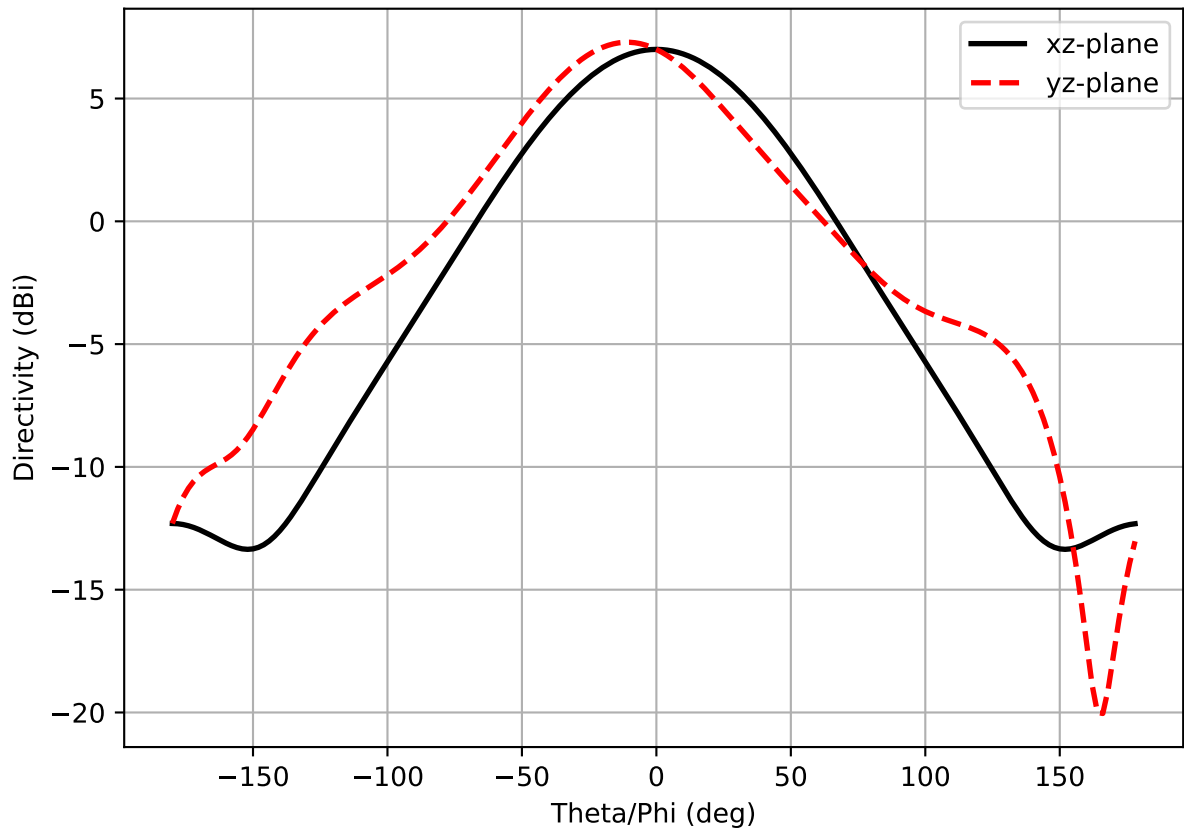
$f = 5.777 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 7.29 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 7.29 \text{ dB}$



Frequency: 5.777 GHz — Directivity (linear). Dmax: 5.359



Frequency: 5.777 GHz



3D Directivity Pattern
 $f = 5.777 \text{ GHz}$, $D_{\text{max}} = 7.29 \text{ dBi}$

