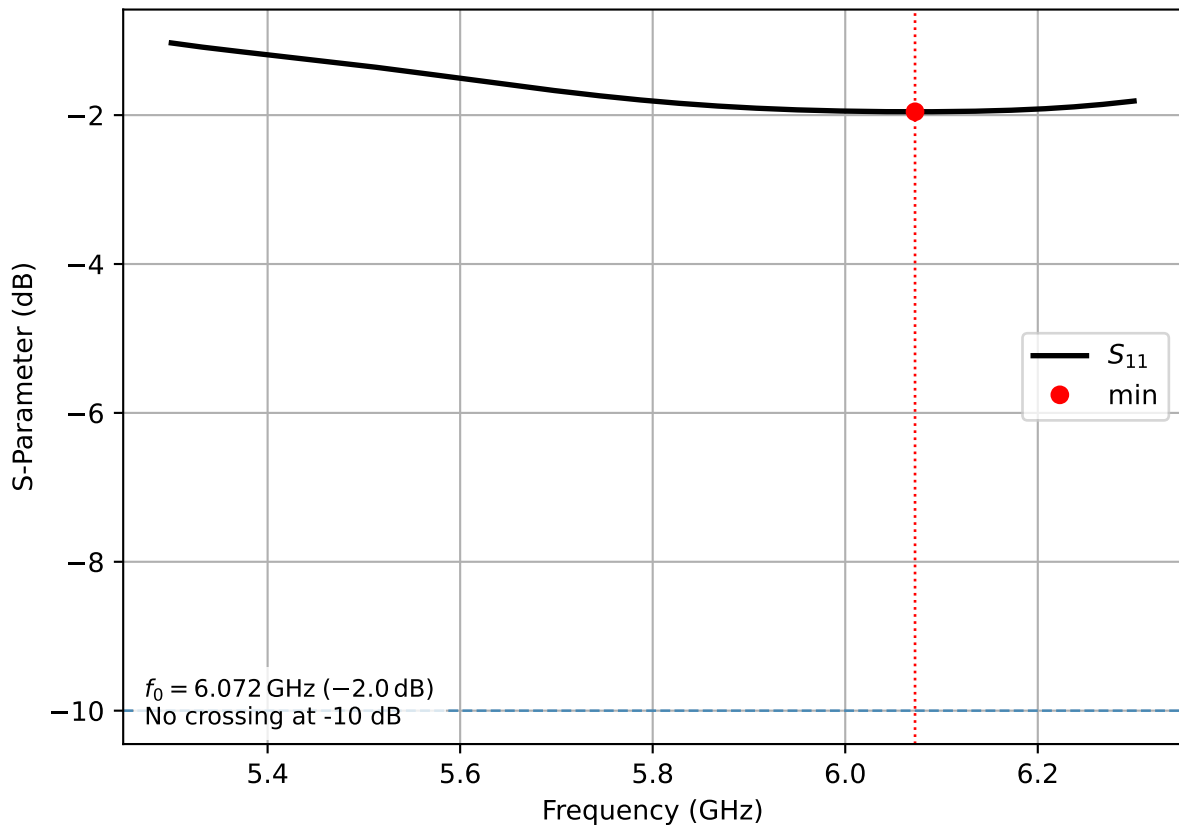
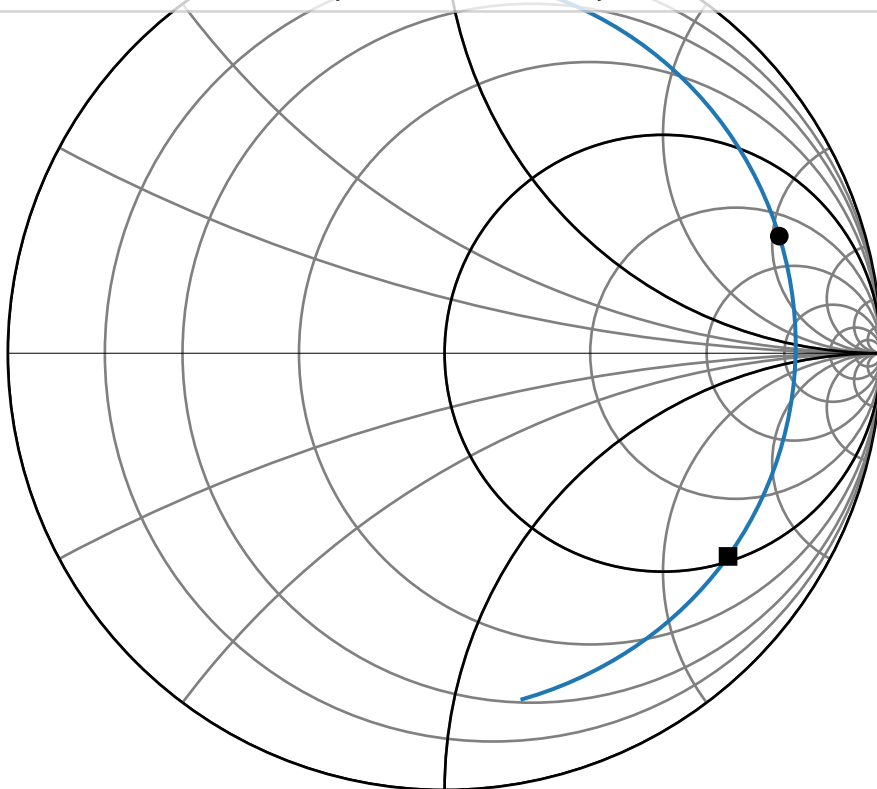


Reflection Coefficient S_{11}

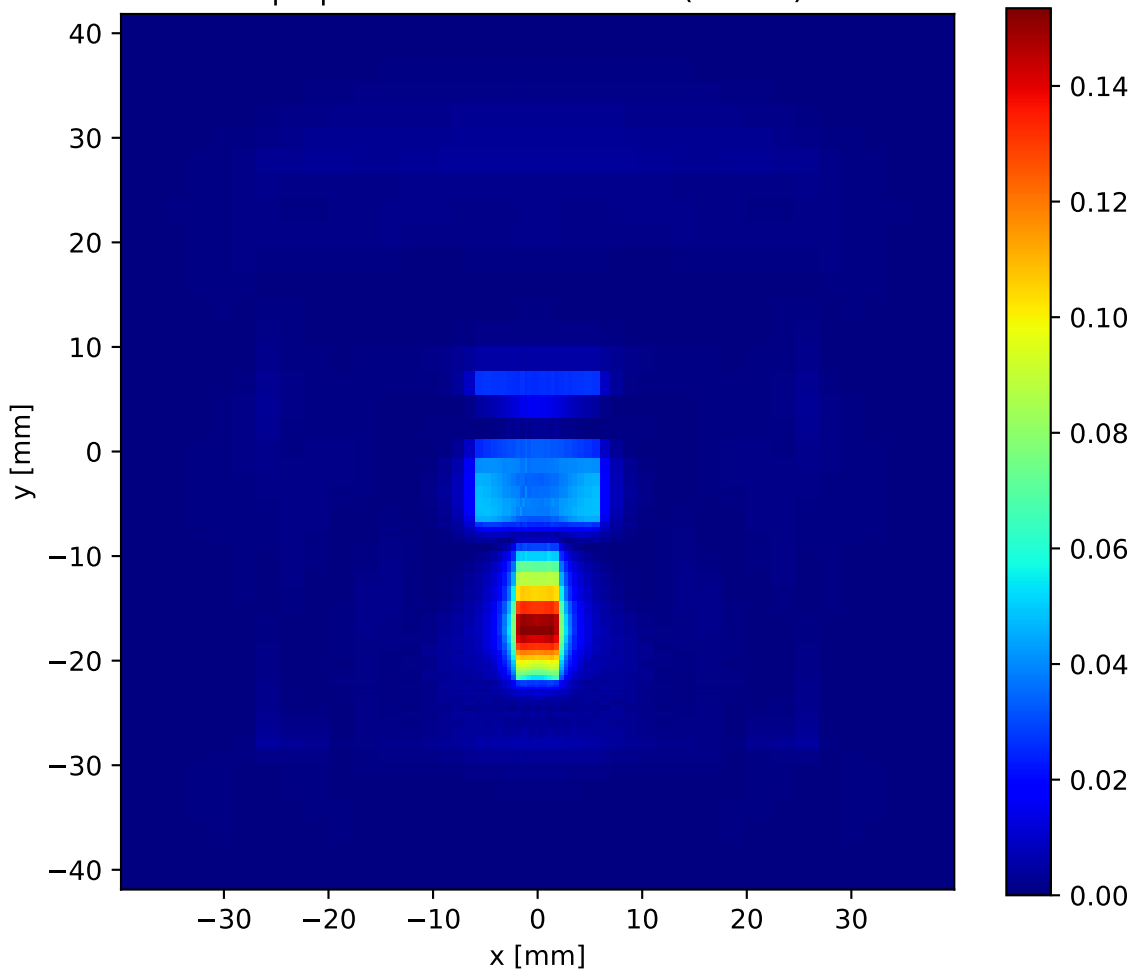


Smith Chart

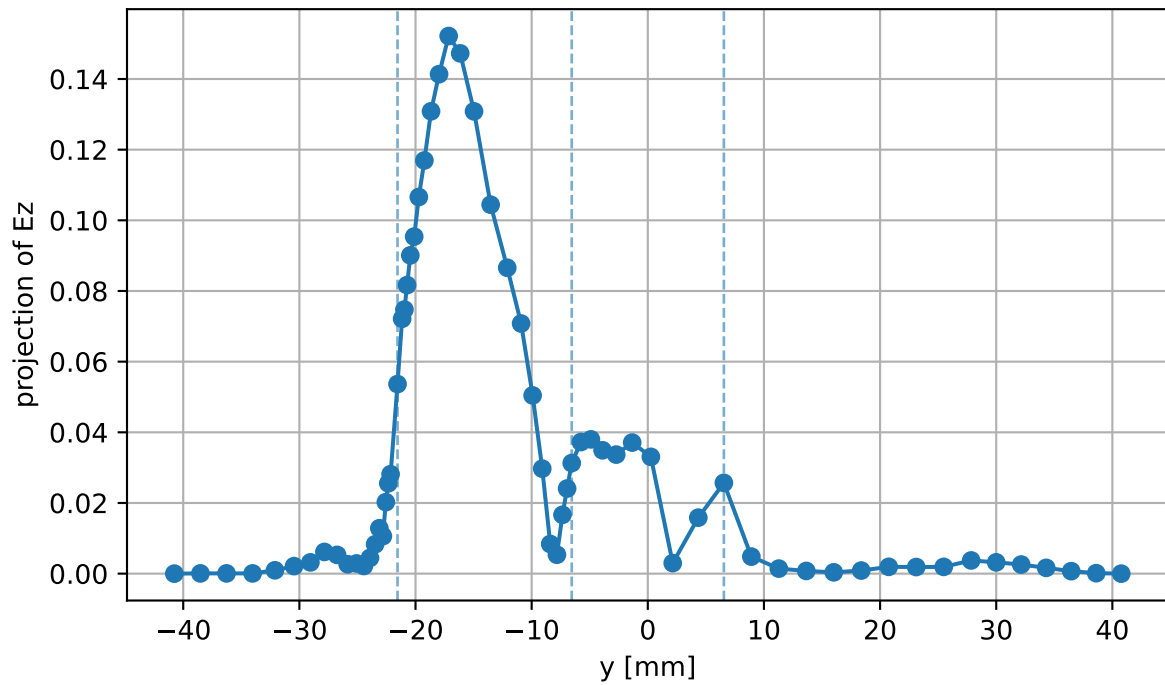
- S11 (Patch W=11.10 mm, L=13.10 mm)
- 5.80 GHz, $S_{11}=0.766+0.268j$, $R=134.77+211.88j$, $G_{\text{norm}}=0.11-0.17j$
- 6.07 GHz, $S_{11}=0.649-0.465j$, $R_2=53.36-136.97j$, $G_{2\text{norm}}=0.12+0.32j$



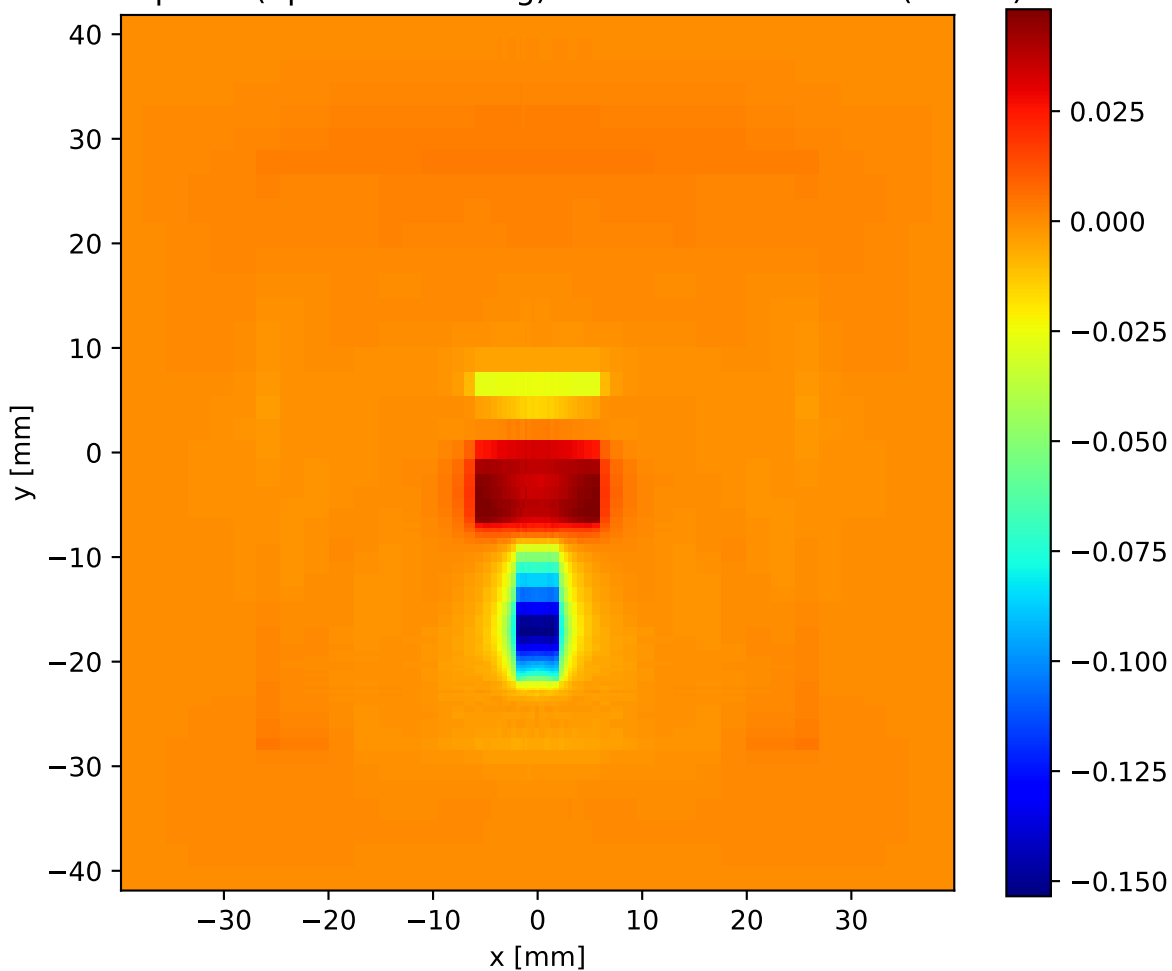
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



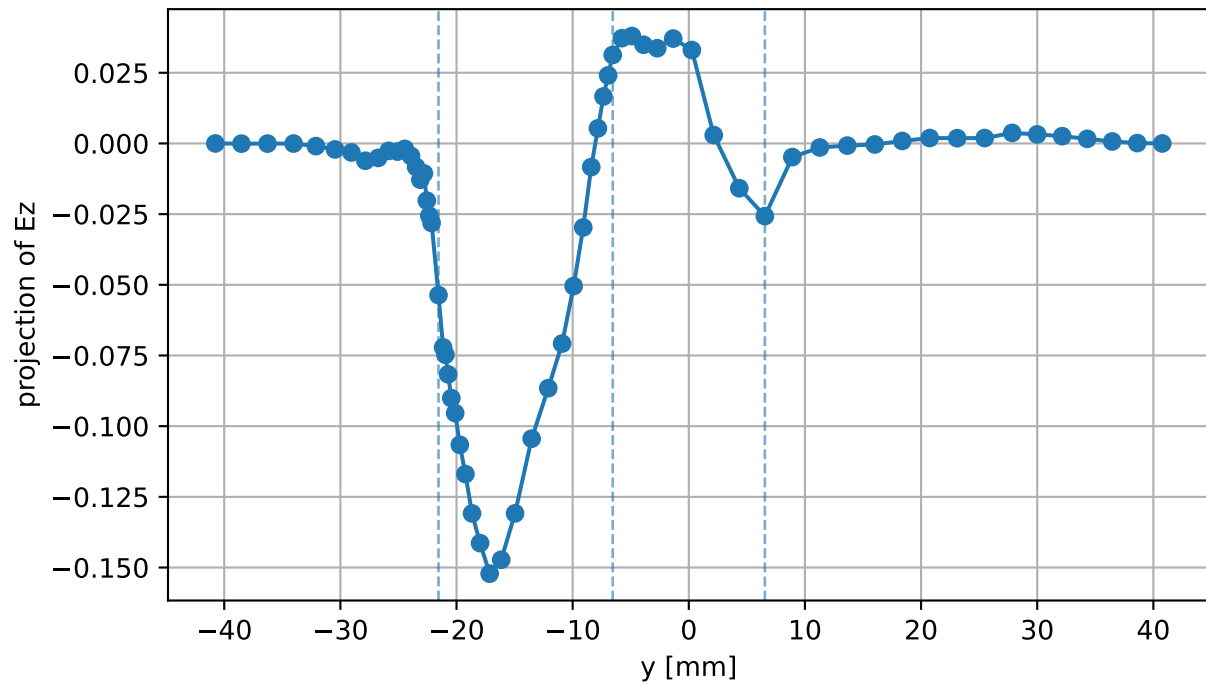
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=30$, $z=15$)



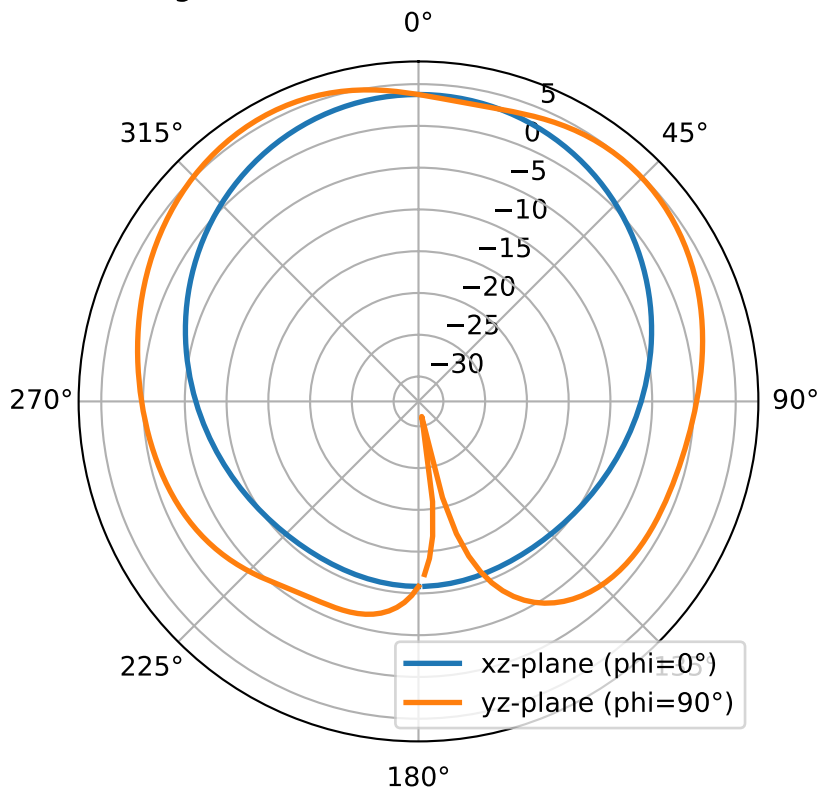
Ez snapshot (dphi=179.64deg) slice at z = 0.76 mm (idx 15)



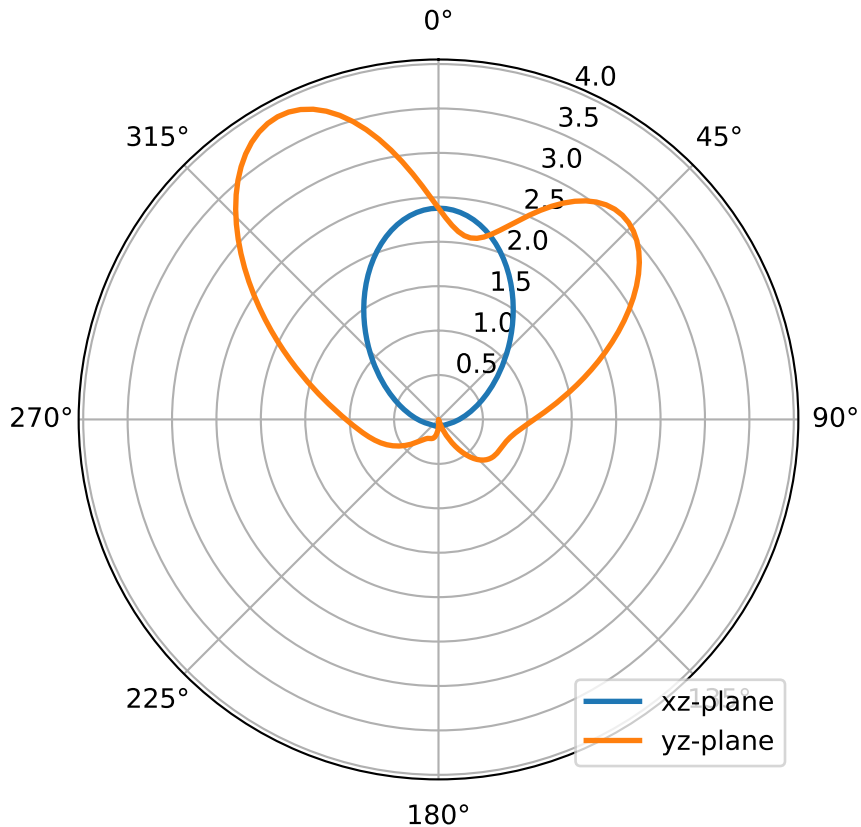
Ez snapshot (dphi=179.64deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=30, z=15)



$f = 6.072 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 5.86 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 5.86 \text{ dB}$



Frequency: 6.072 GHz — Directivity (linear). Dmax: 3.858



Frequency: 6.072 GHz
xz-plane: HPBW=86.4°
yz-plane: HPBW=135.6°

