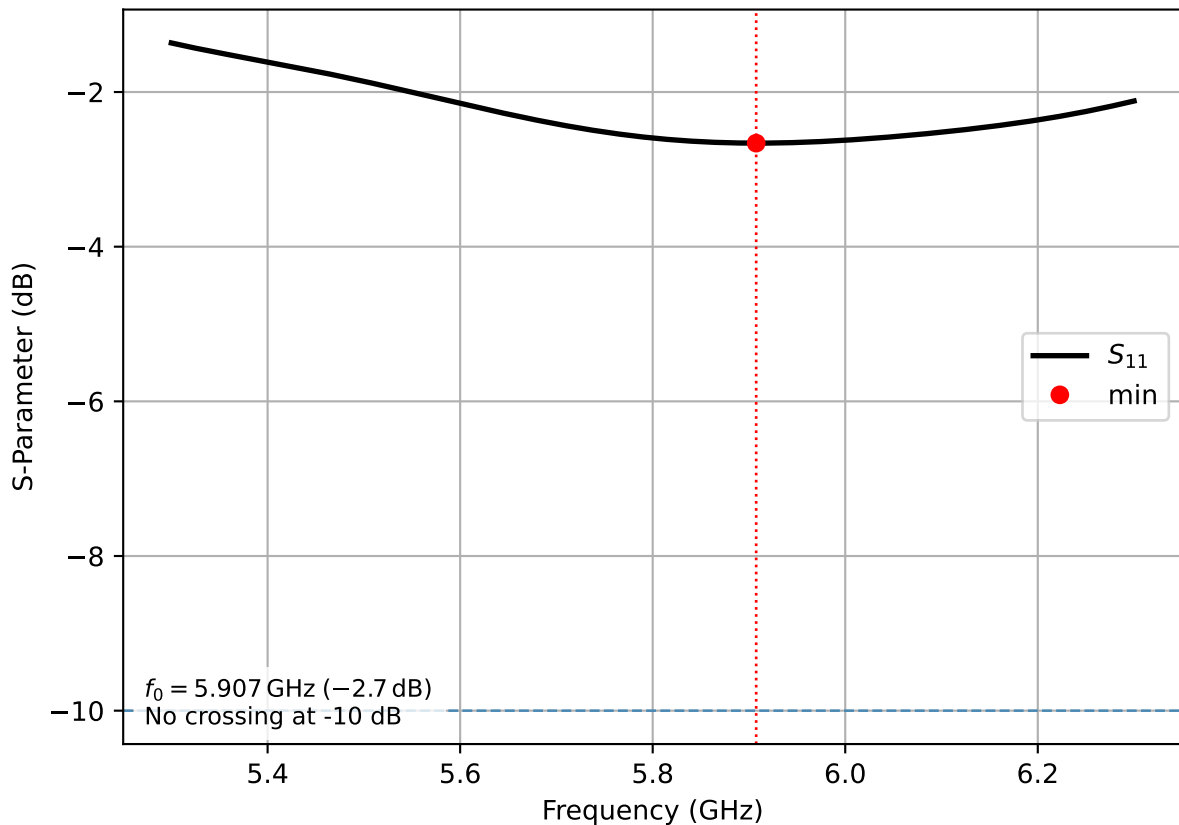
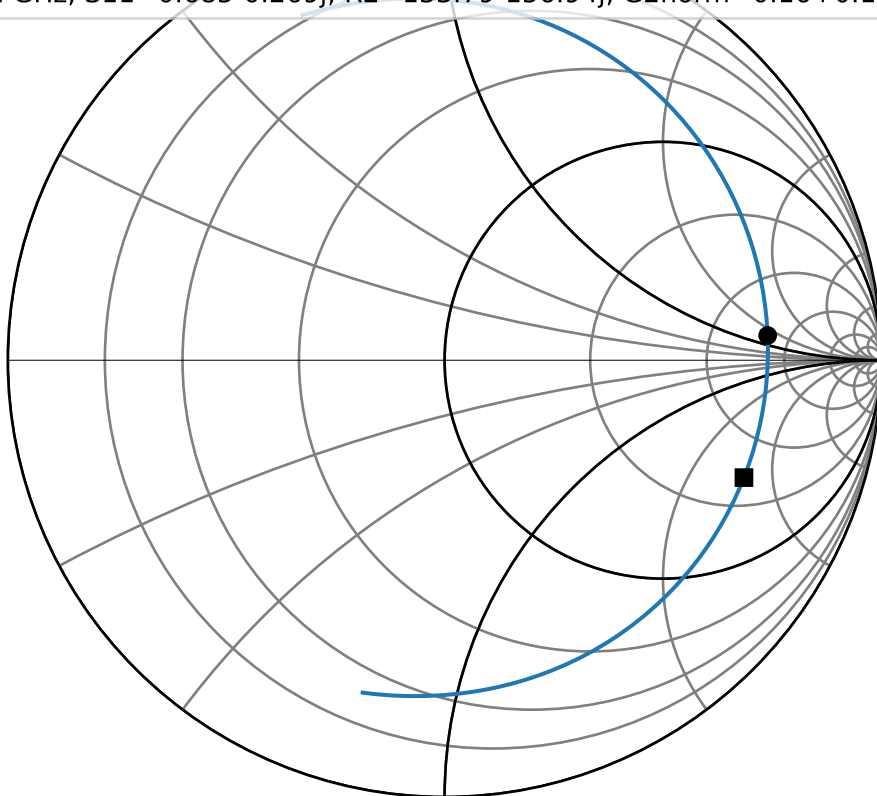


Reflection Coefficient S_{11}

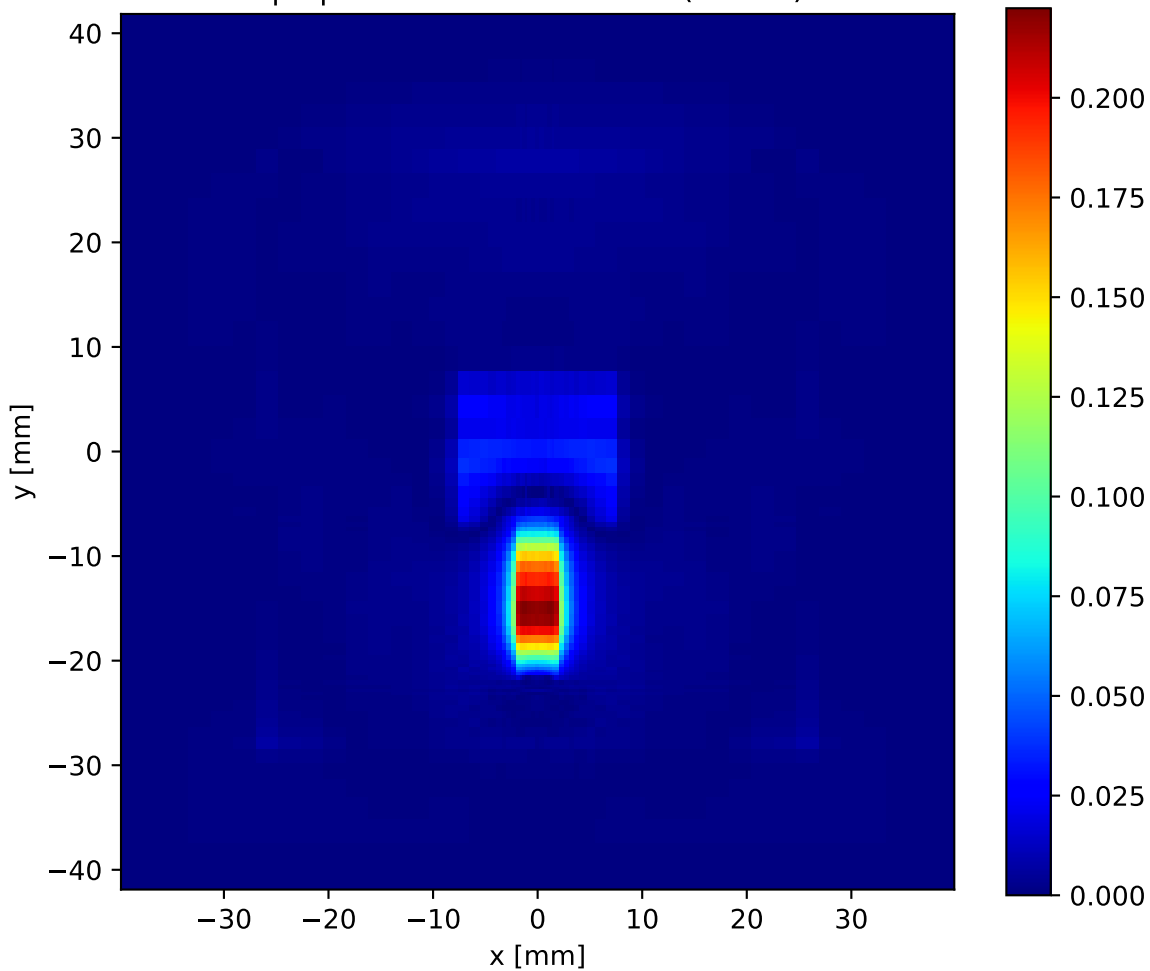


Smith Chart

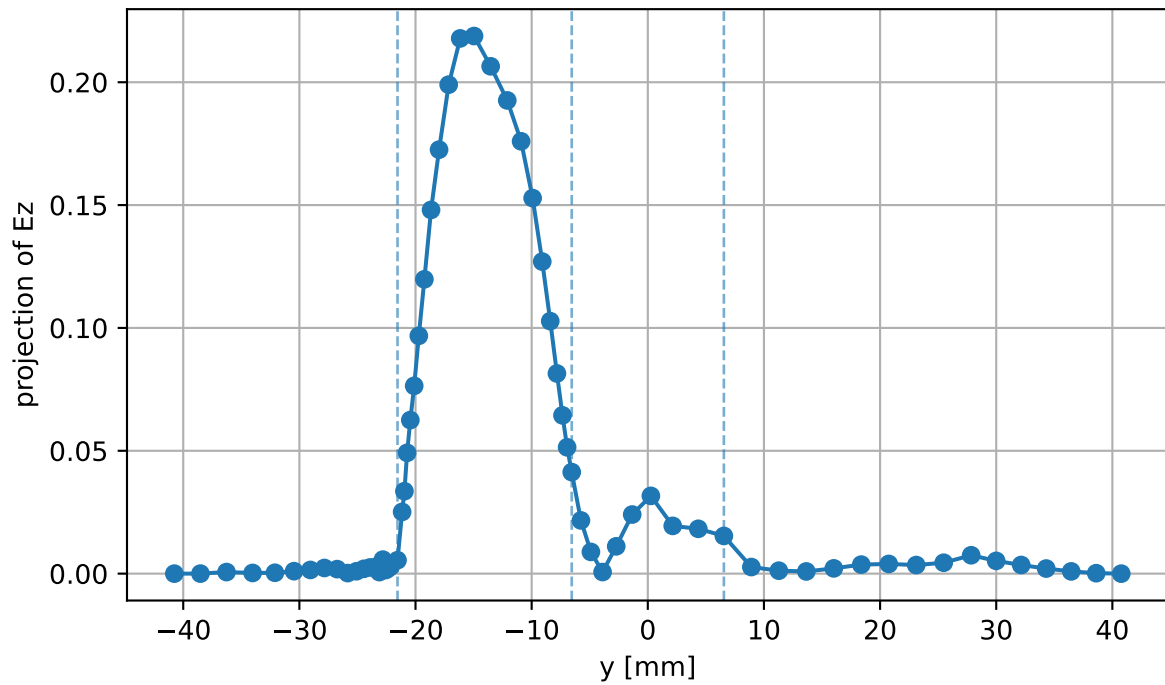
- S11 (Patch W=14.10 mm, L=13.10 mm)
- 5.80 GHz, $S_{11}=0.740+0.057j$, $R=316.59+79.85j$, $G_{\text{norm}}=0.15-0.04j$
- 5.91 GHz, $S_{11}=0.685-0.269j$, $R_2=133.79-156.94j$, $G_{2\text{norm}}=0.16+0.18j$



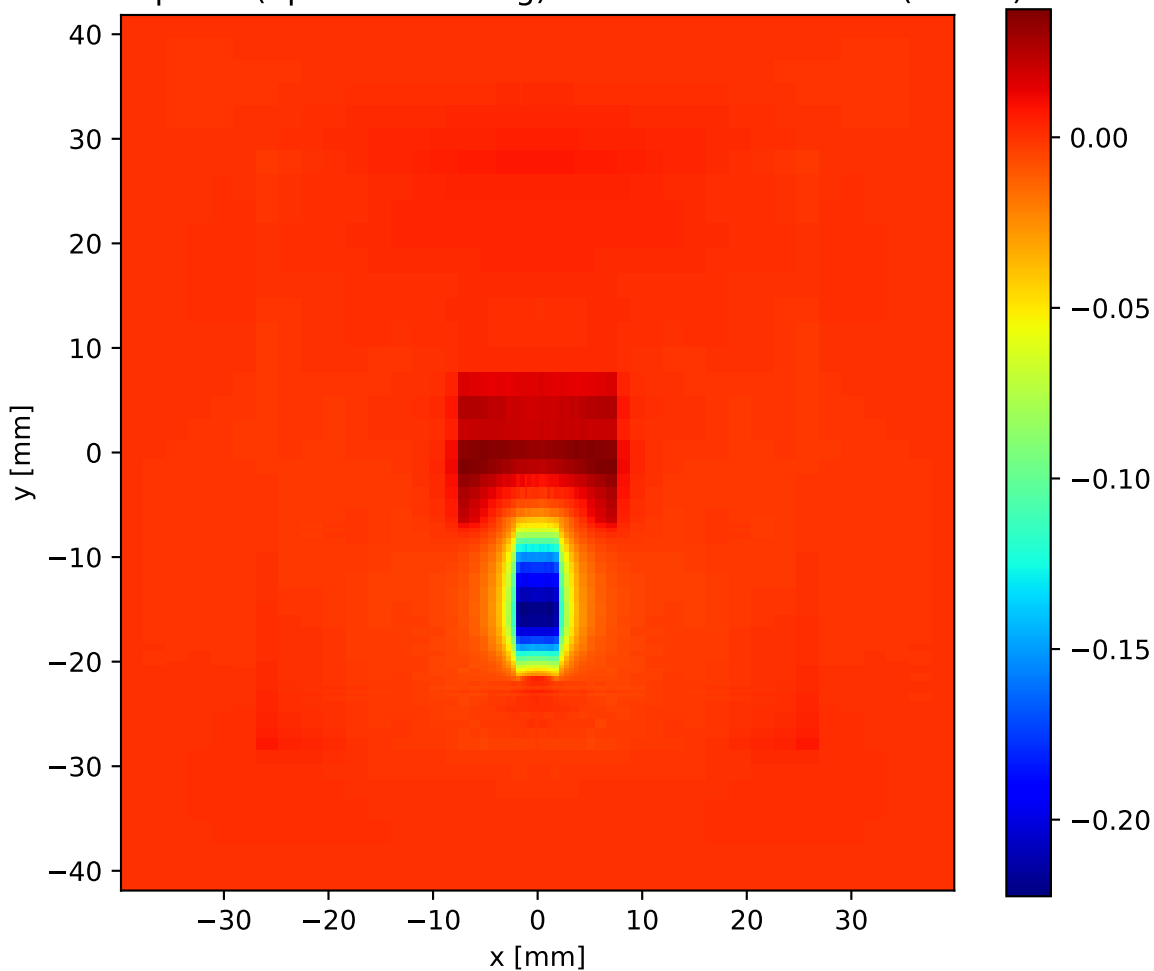
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



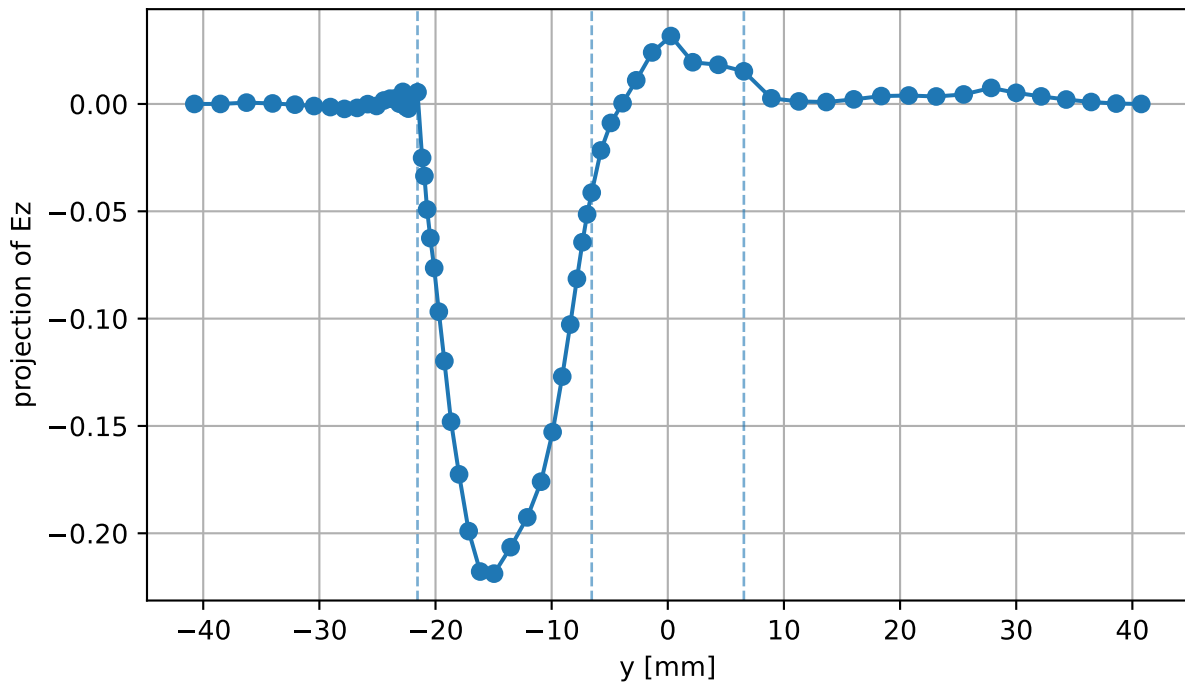
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx x=30, z=15)



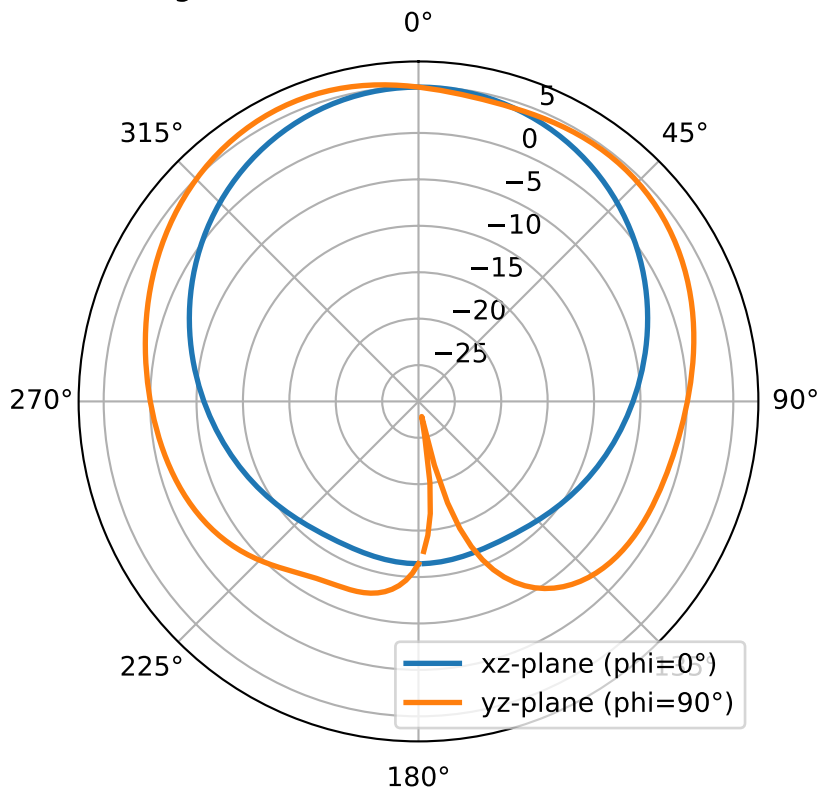
Ez snapshot (dphi=179.62deg) slice at z = 0.76 mm (idx 15)



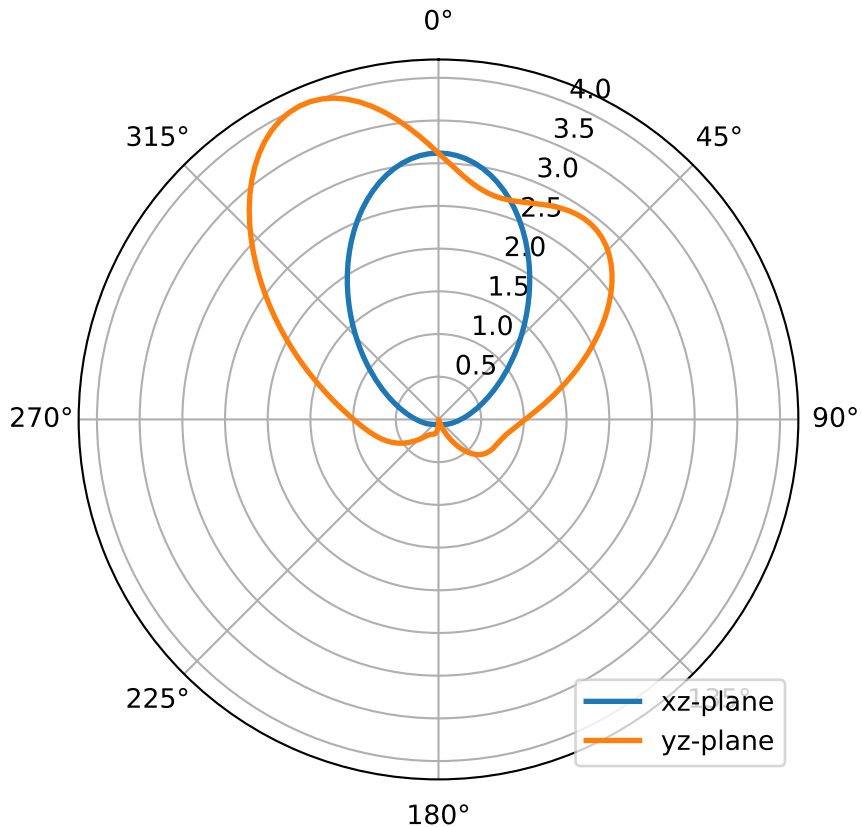
Ez snapshot (dphi=179.62deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=30, z=15)



$f = 5.907 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 6.04 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 6.04 \text{ dB}$



Frequency: 5.907 GHz — Directivity (linear). Dmax: 4.014



Frequency: 5.907 GHz
xz-plane: HPBW=82.8°
yz-plane: HPBW=128.2°

