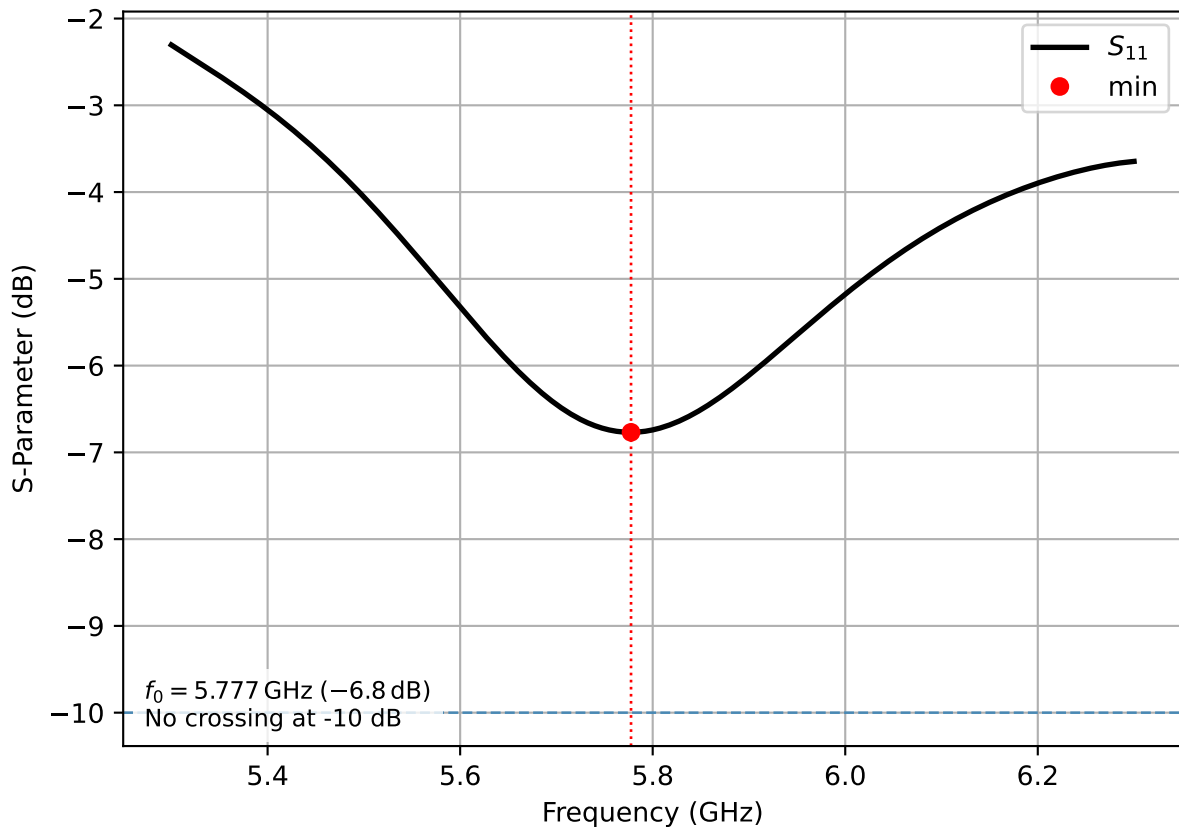


Reflection Coefficient S_{11}

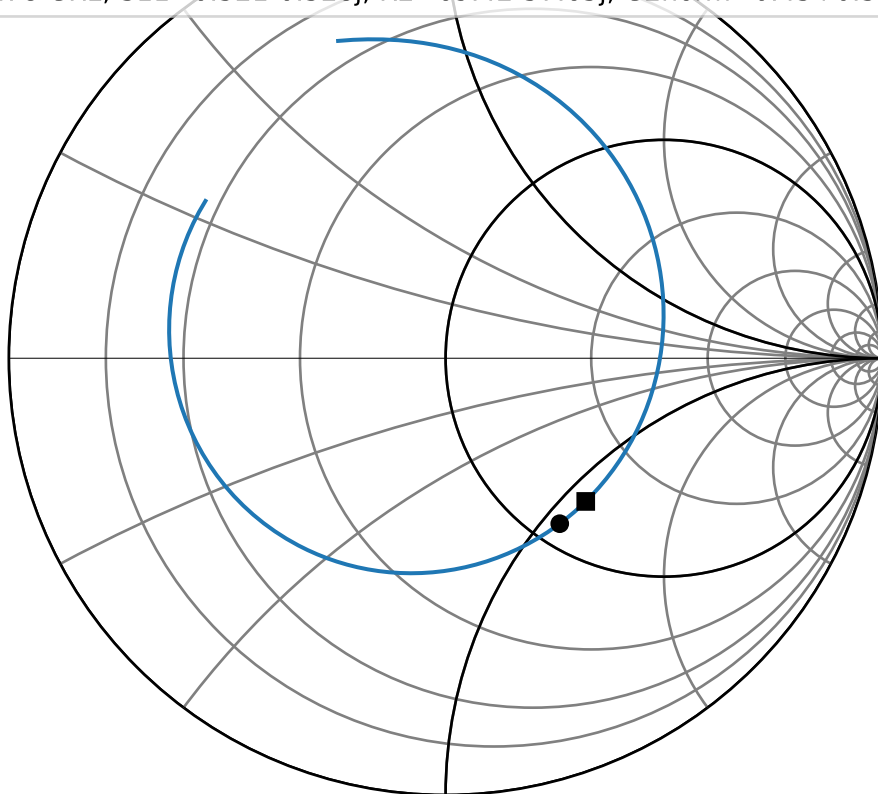


Smith Chart

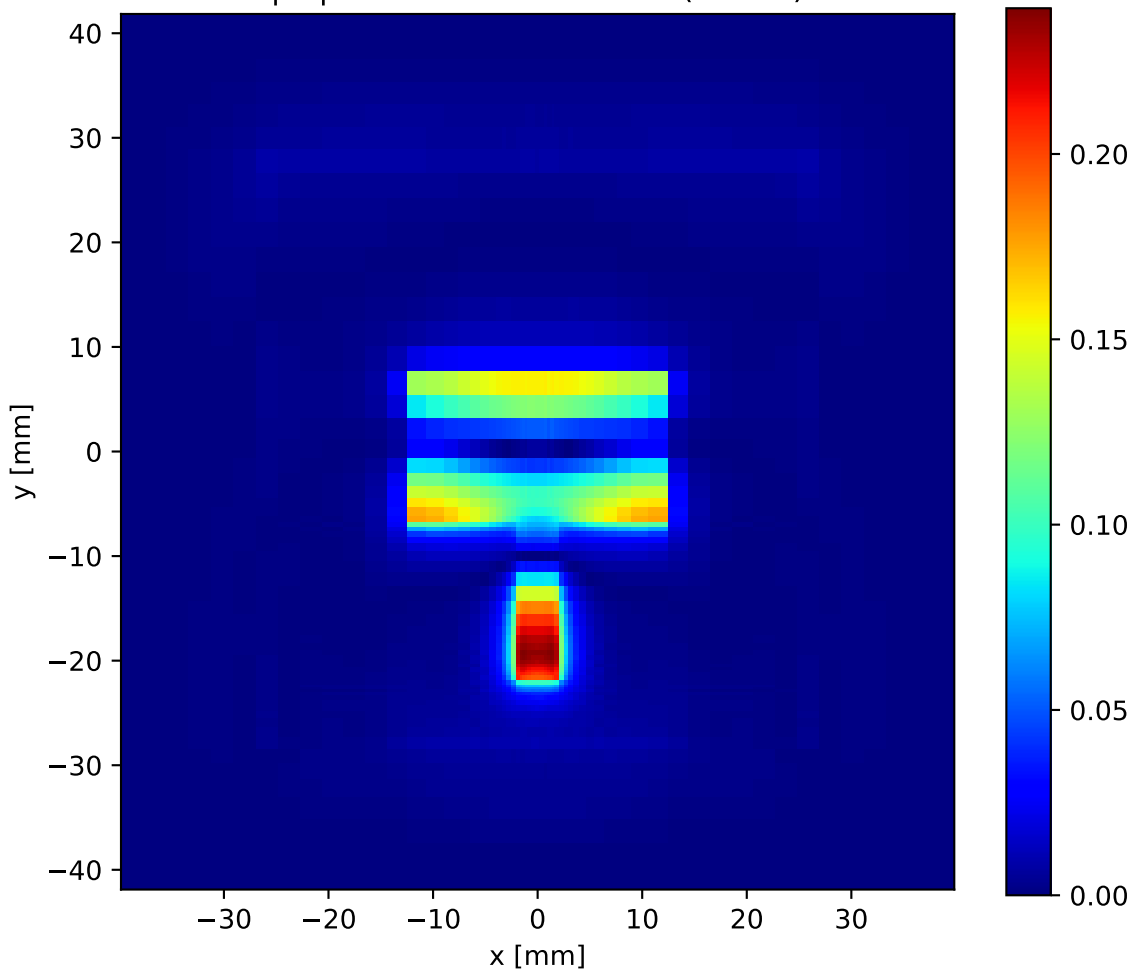
— S11 (Patch W=23.10 mm, L=13.10 mm)

● 5.80 GHz, $S_{11}=0.261-0.379j$, $R=57.19-54.97j$, $G_{\text{norm}}=0.45+0.44j$

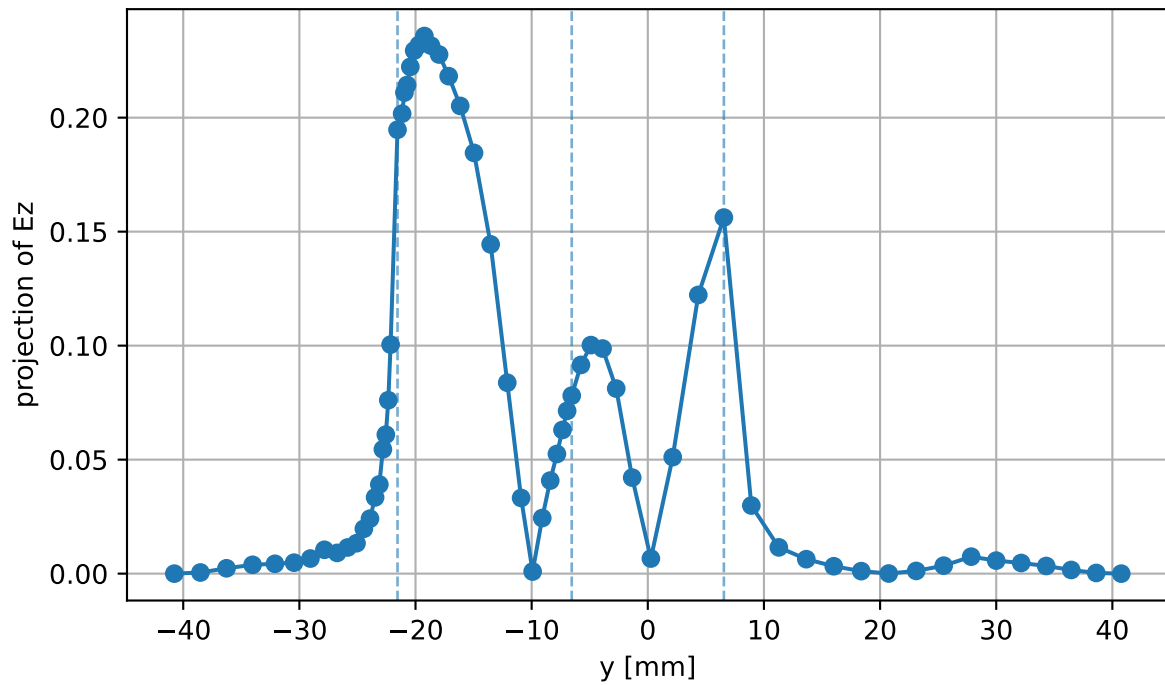
■ 5.78 GHz, $S_{11}=0.321-0.328j$, $R_2=69.42-57.65j$, $G_{2\text{norm}}=0.43+0.35j$



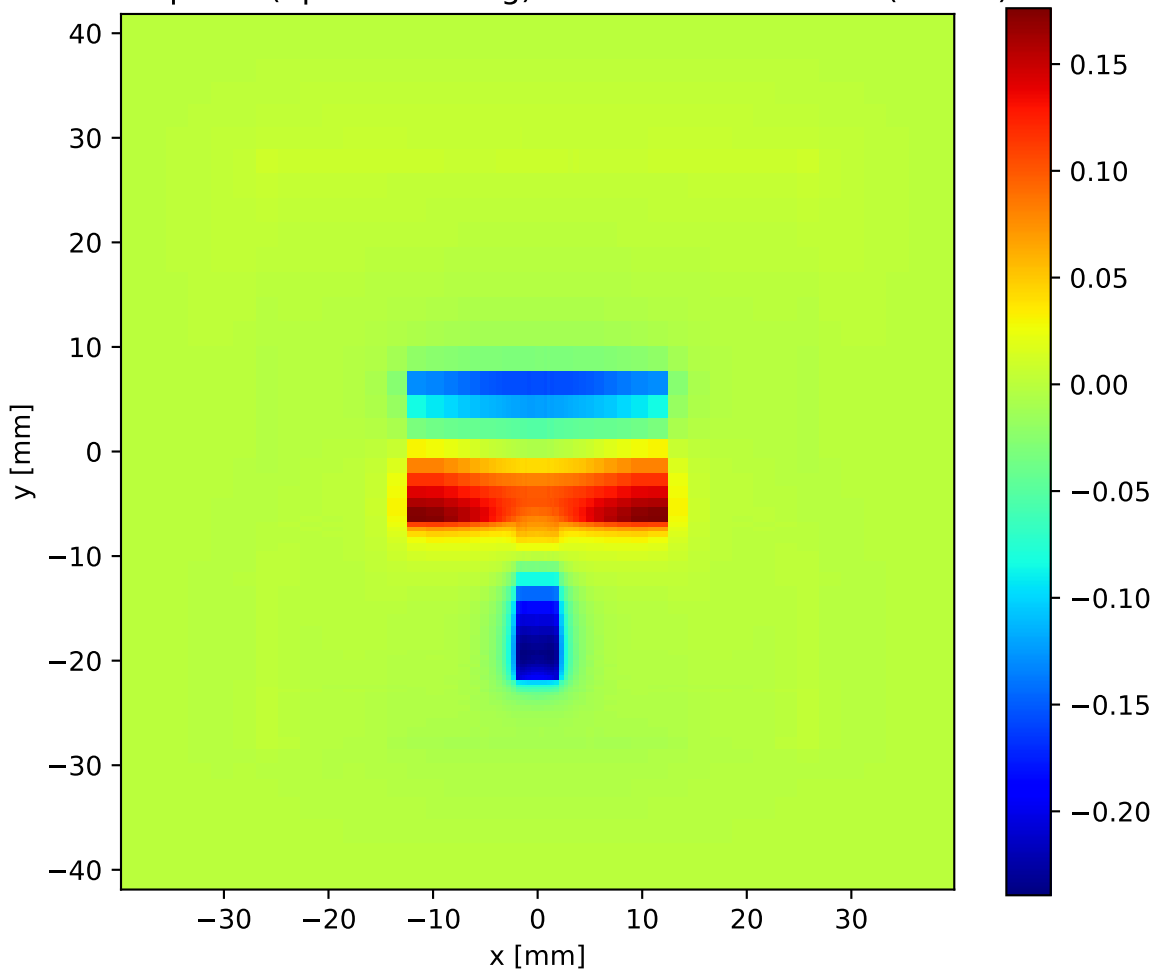
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



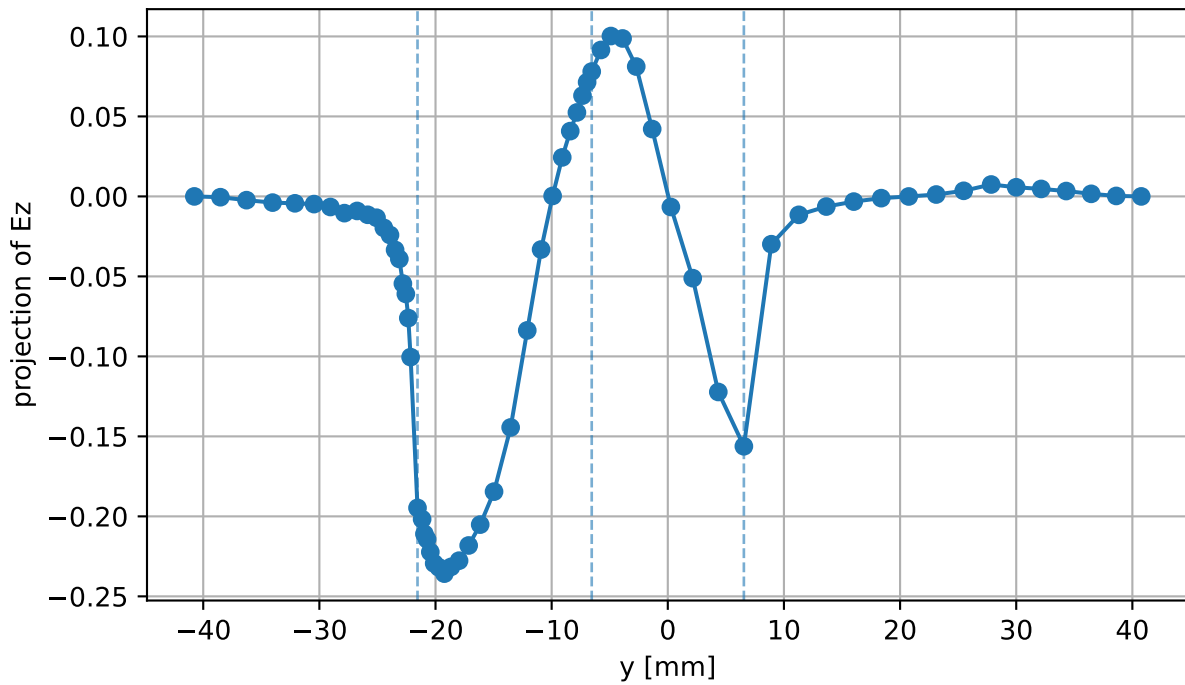
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx x=30, z=15)



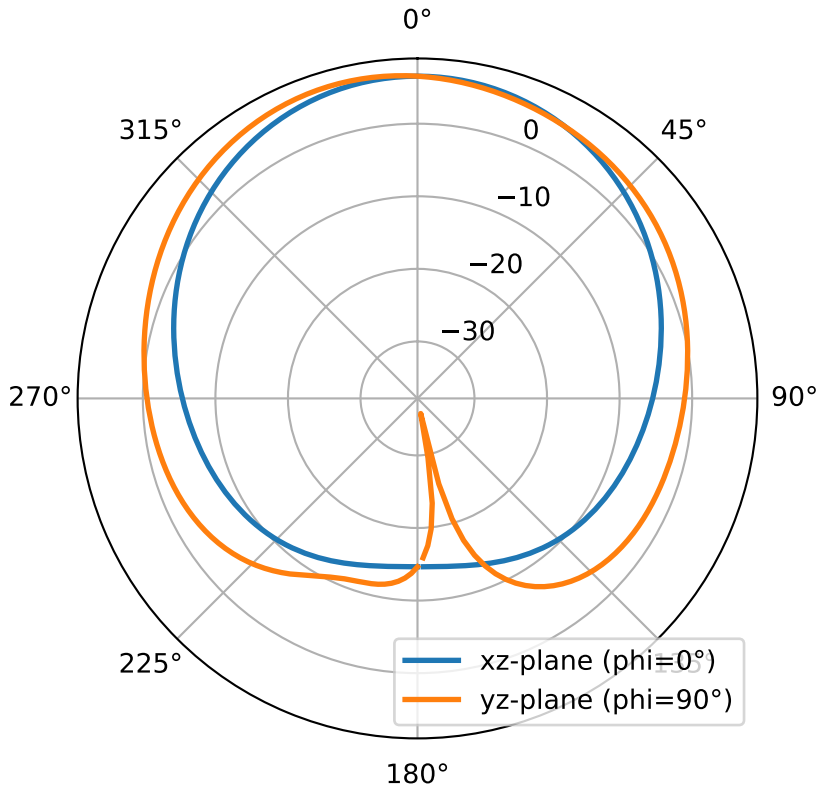
Ez snapshot (dphi=-0.32deg) slice at z = 0.76 mm (idx 15)



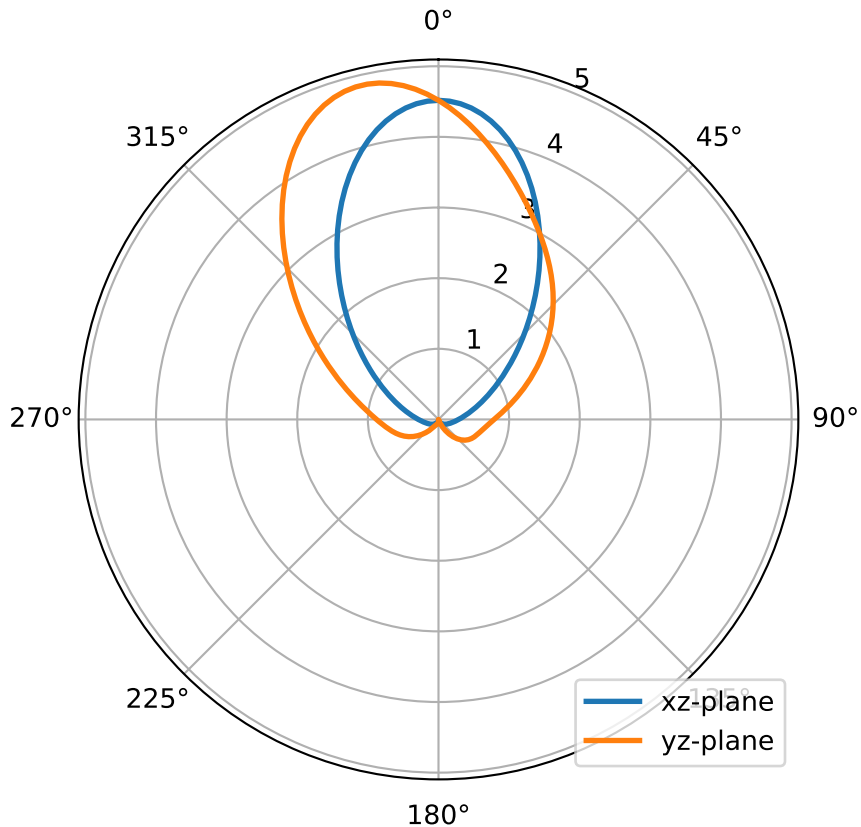
Ez snapshot (dphi=-0.32deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=30, z=15)



$f = 5.777 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 6.86 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 6.86 \text{ dB}$



Frequency: 5.777 GHz — Directivity (linear). Dmax: 4.853



Frequency: 5.777 GHz
xz-plane: HPBW=75.5°
yz-plane: HPBW=94.8°

