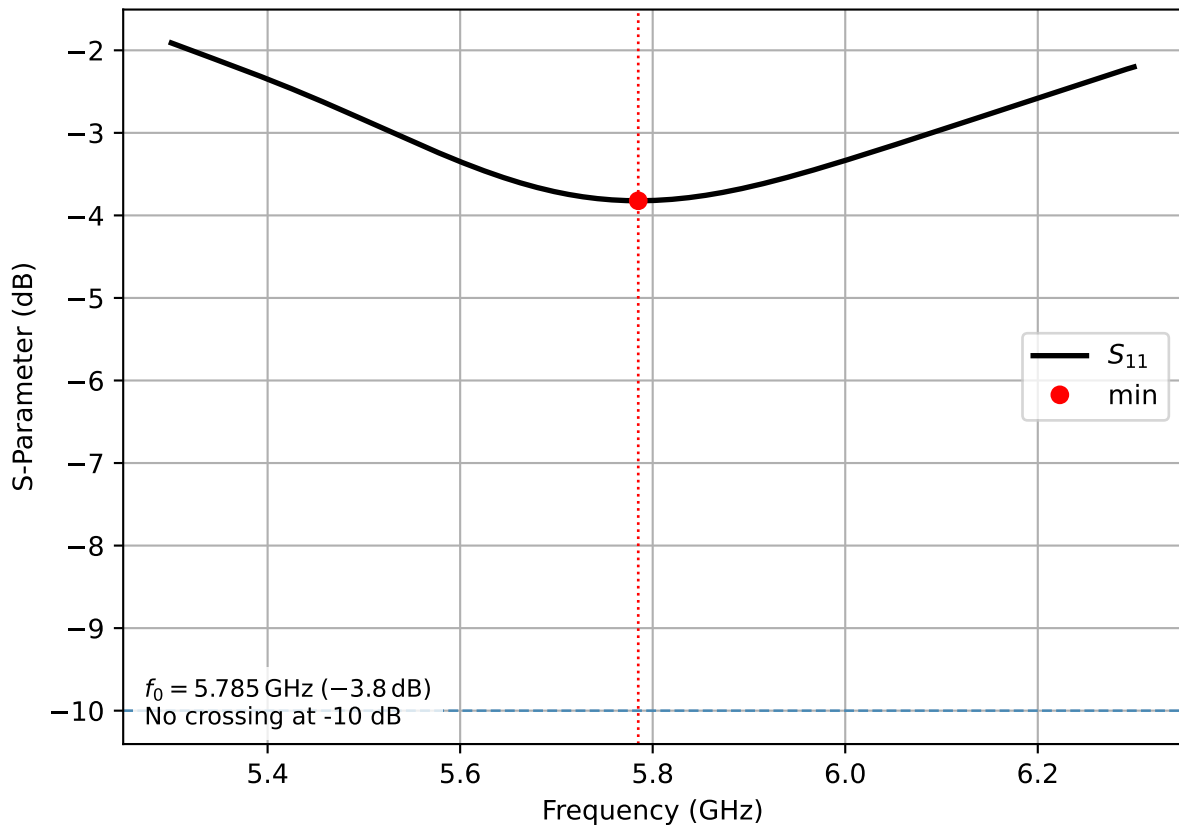


Reflection Coefficient S_{11}

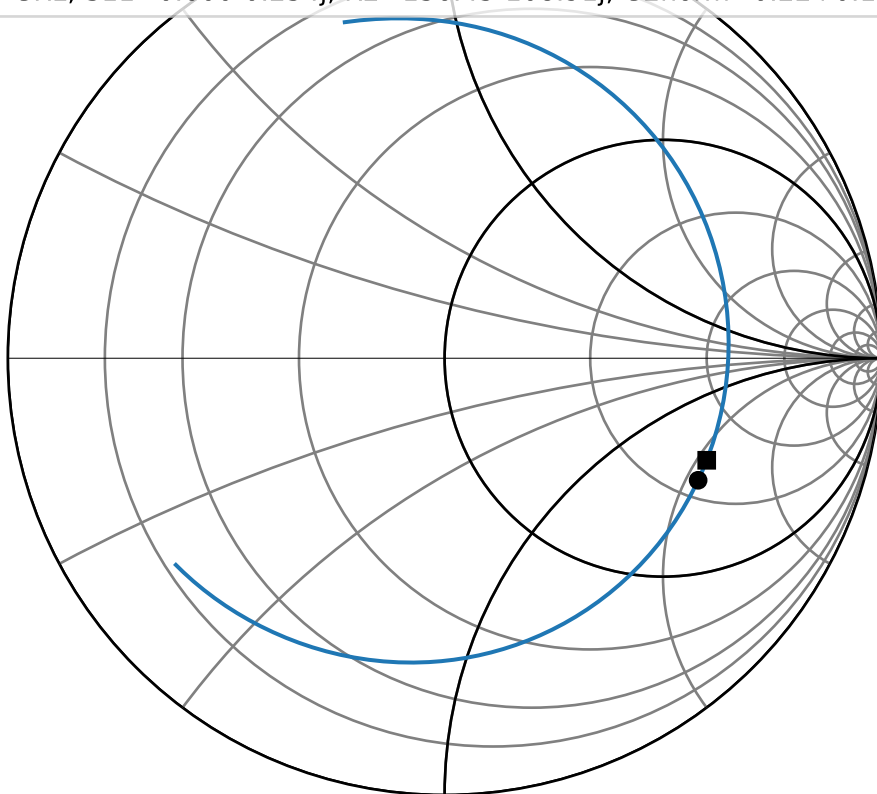


Smith Chart

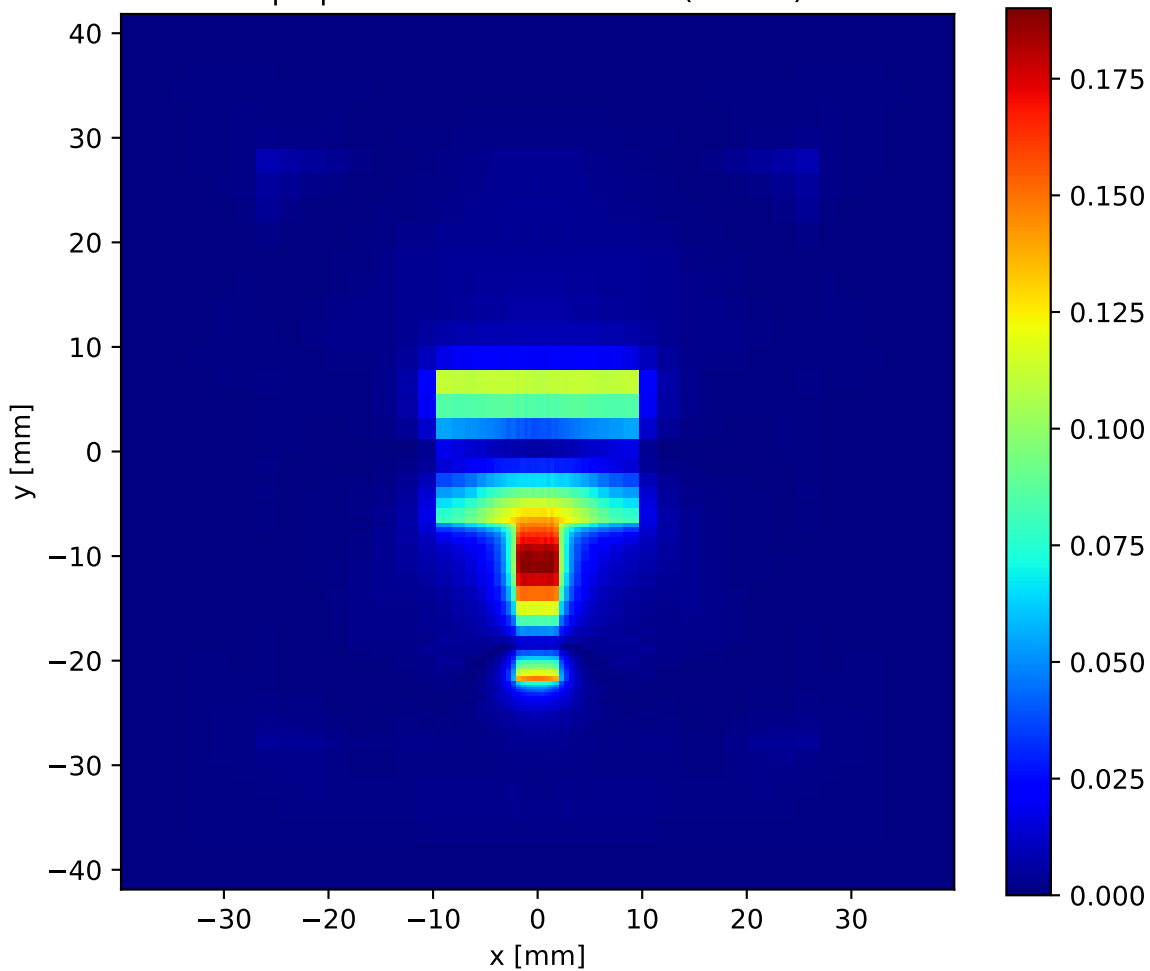
— S11 (Patch W=17.80 mm, L=13.20 mm)

● 5.80 GHz, $S_{11}=0.580-0.279j$, $R=115.12-109.97j$, $G_{\text{norm}}=0.23+0.22j$

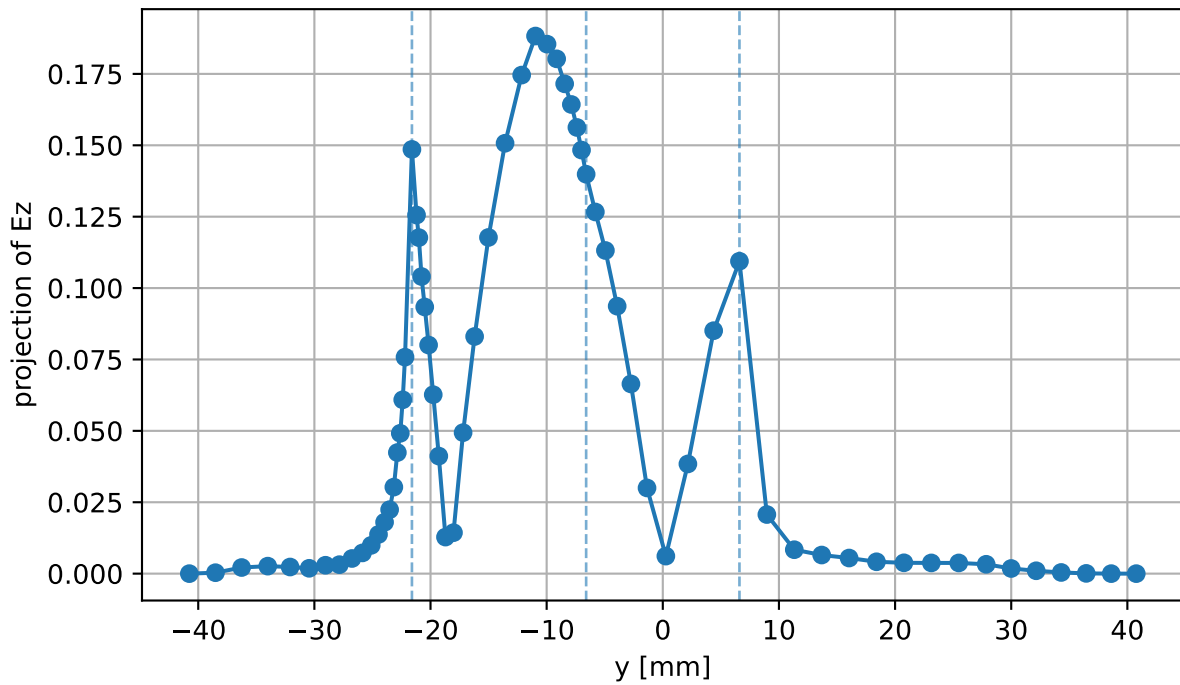
■ 5.79 GHz, $S_{11}=0.600-0.234j$, $R_2=136.43-108.91j$, $G_{2\text{norm}}=0.22+0.18j$



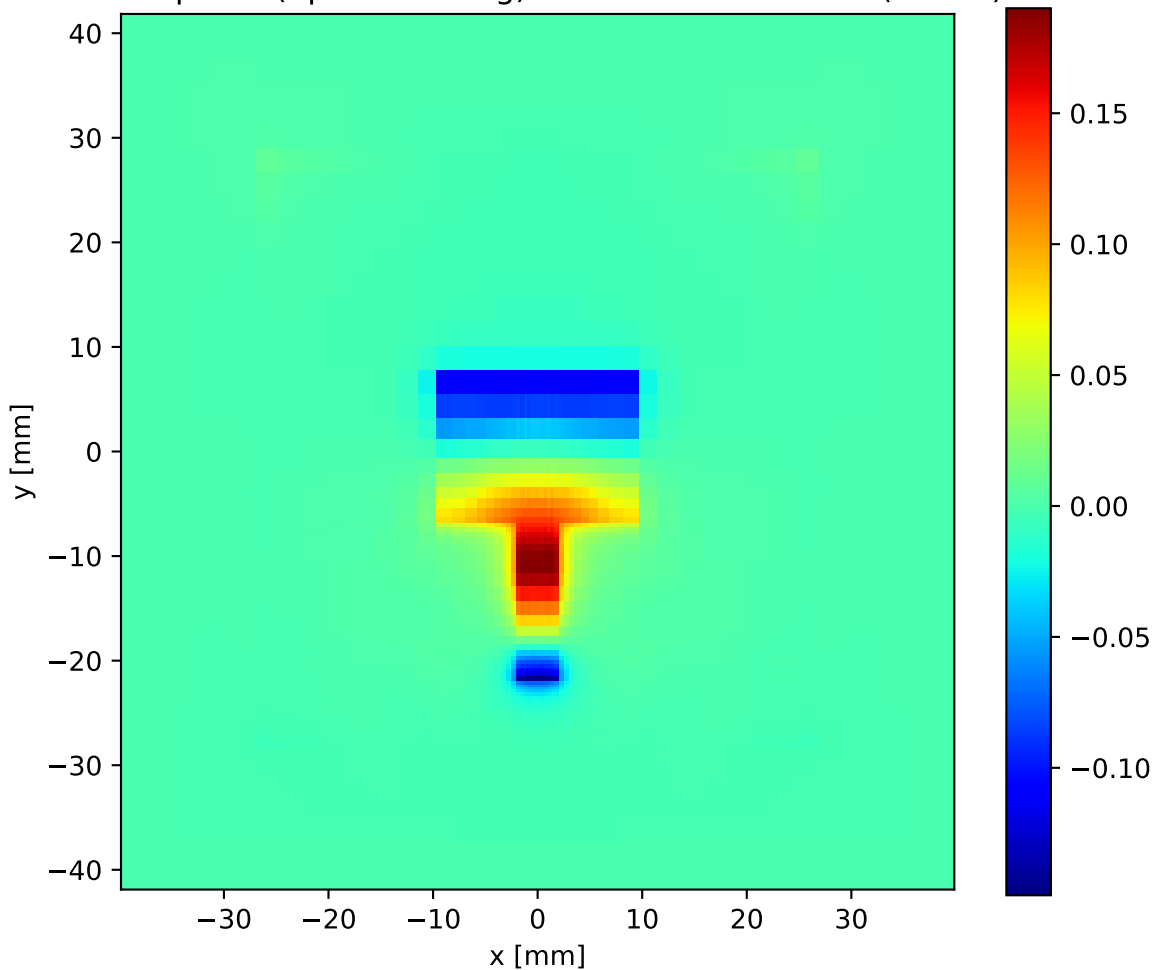
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



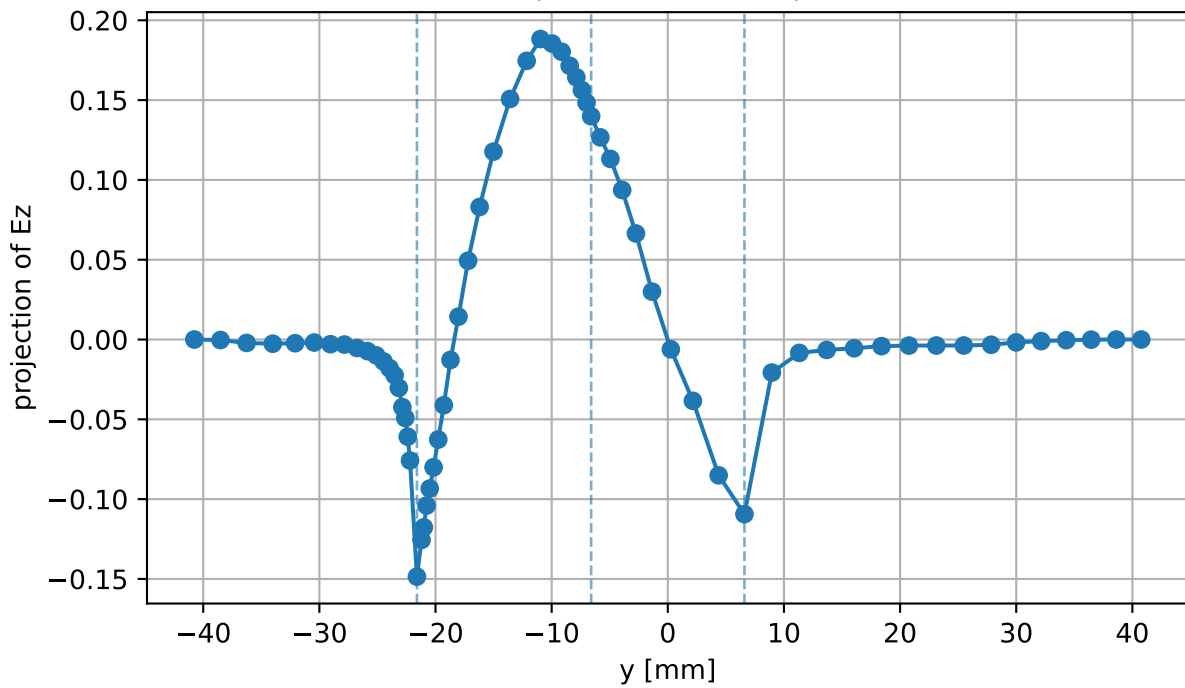
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx x=29, z=15)



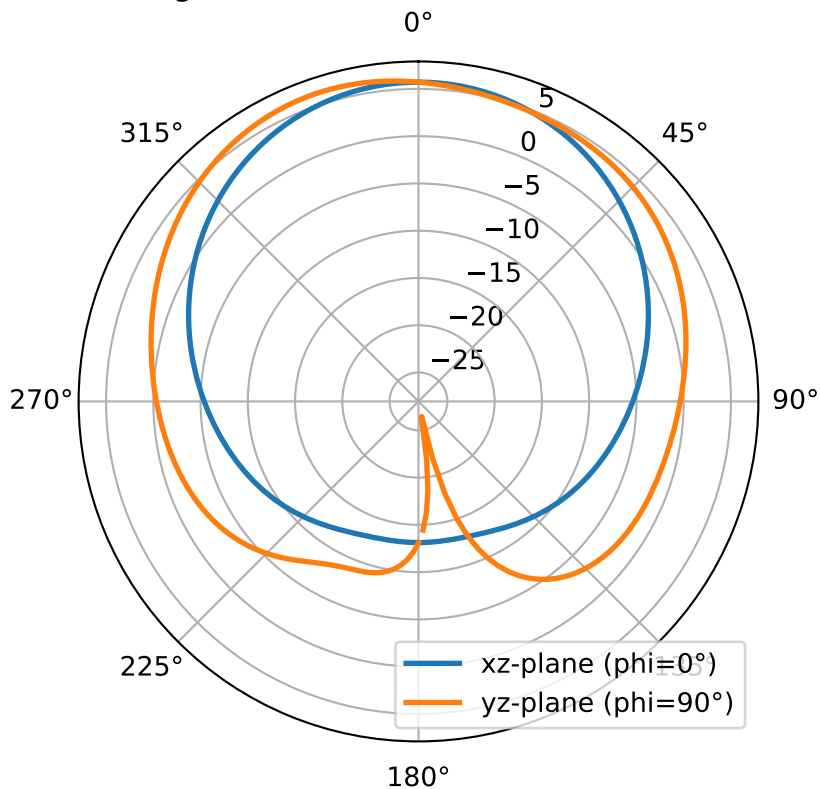
Ez snapshot (dphi=0.00deg) slice at $z = 0.76$ mm (idx 15)



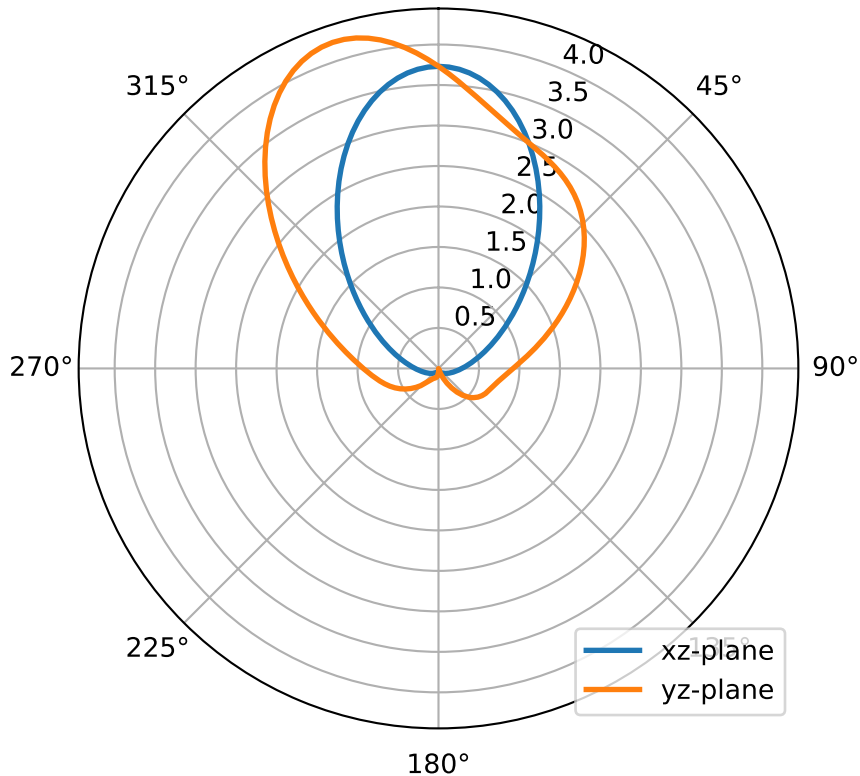
Ez snapshot (dphi=0.00deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=29, z=15)



$f = 5.785 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 6.27 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 6.27 \text{ dB}$



Frequency: 5.785 GHz — Directivity (linear). Dmax: 4.234
0°



Frequency: 5.785 GHz
xz-plane: HPBW=79.8°
yz-plane: HPBW=114.0°

