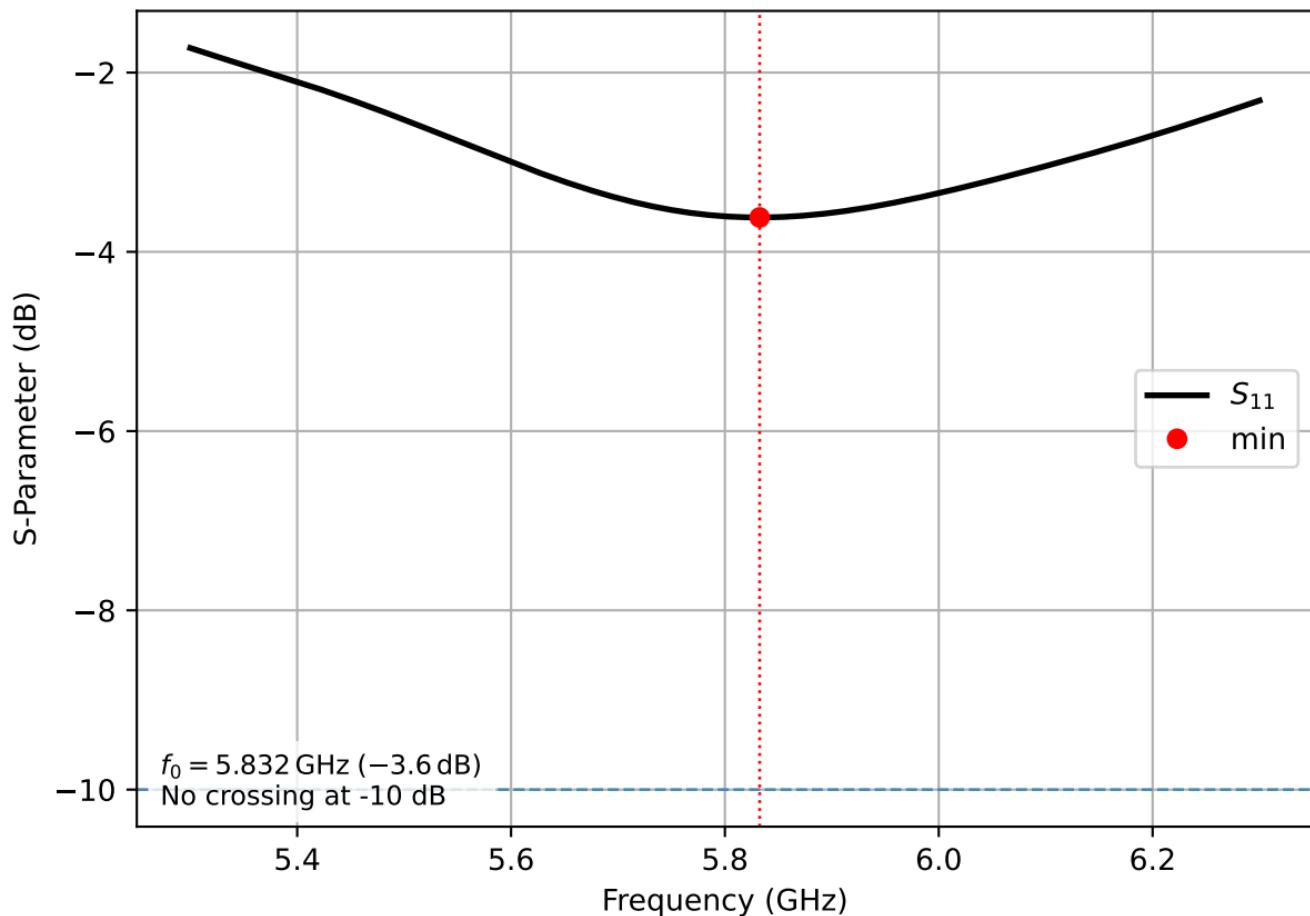
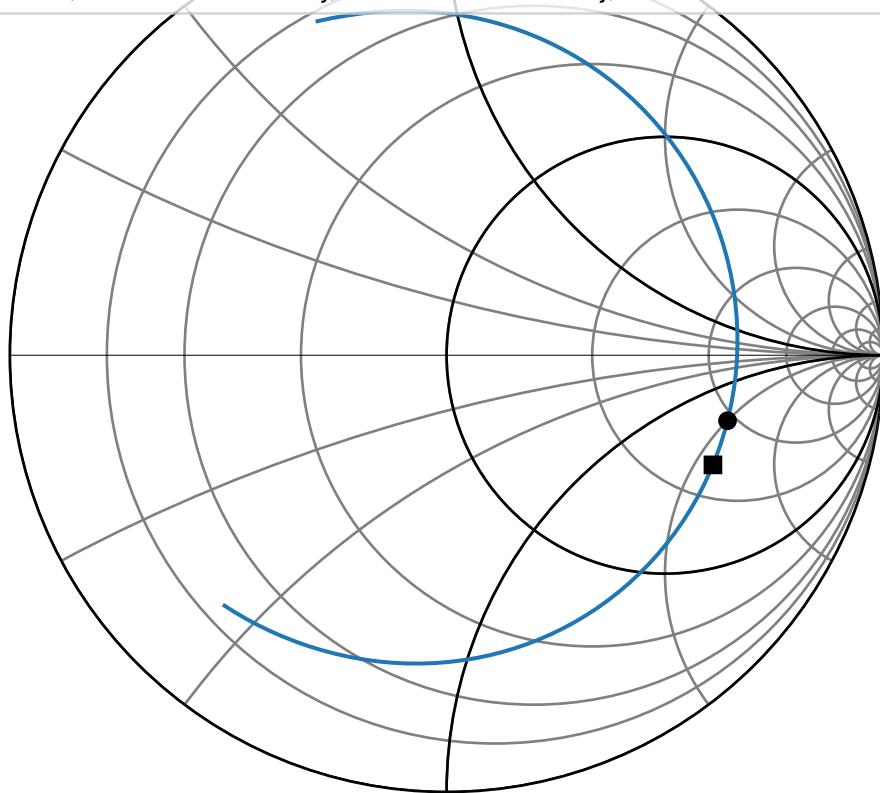


Reflection Coefficient S_{11}

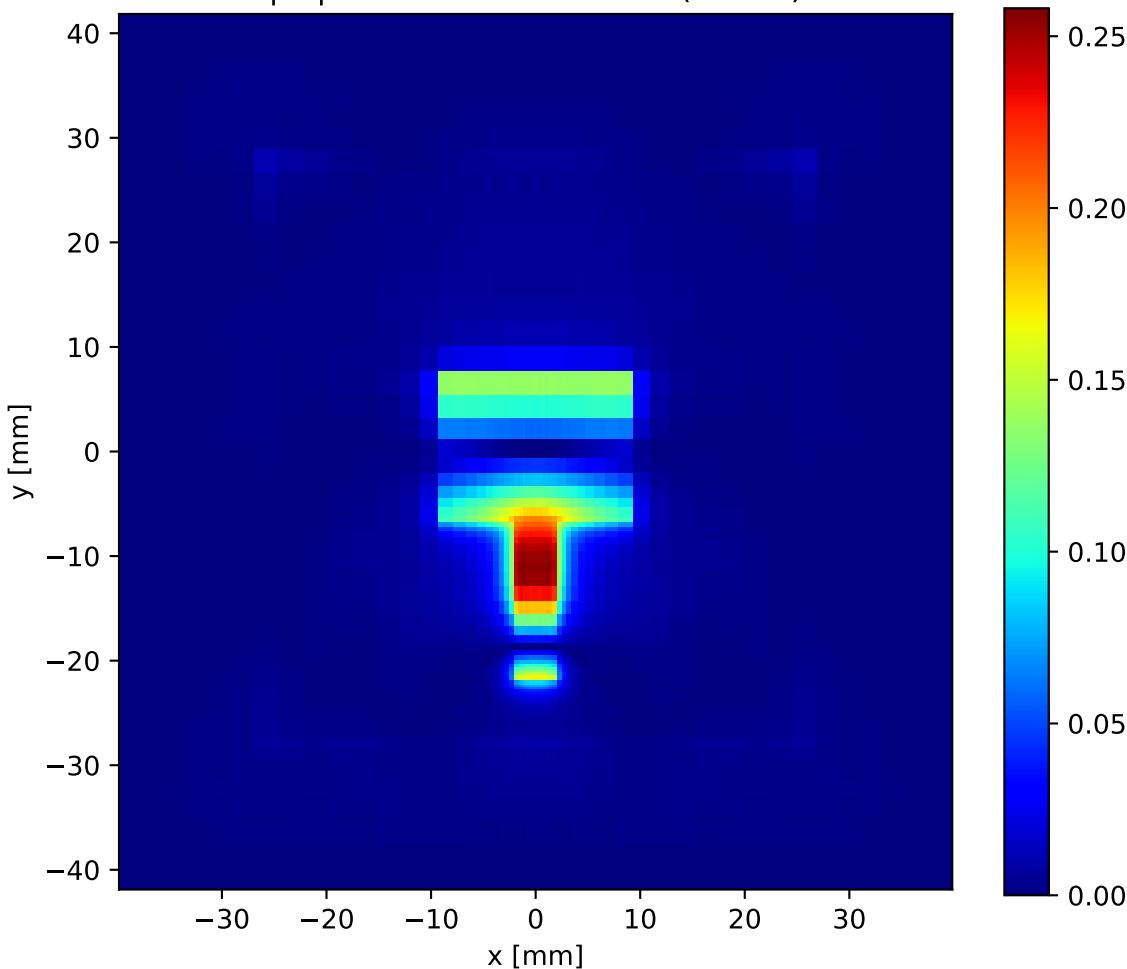


Smith Chart

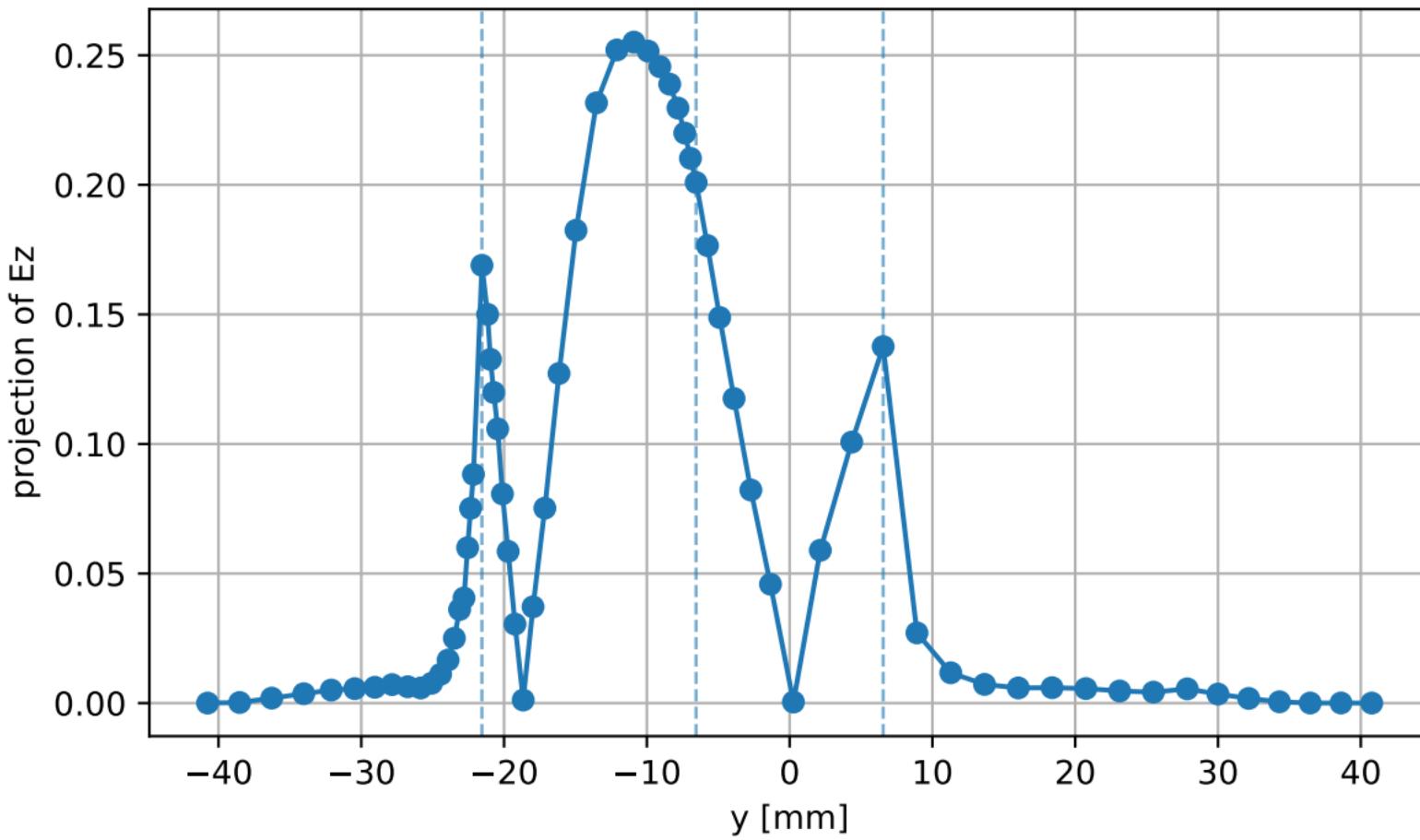
- S11 (Patch W=17.10 mm, L=13.10 mm)
- 5.80 GHz, $S_{11}=0.643-0.150j$, $R=188.13-100.10j$, $G_{norm}=0.21+0.11j$
- 5.83 GHz, $S_{11}=0.610-0.251j$, $R_2=131.25-116.60j$, $G_{2norm}=0.21+0.19j$



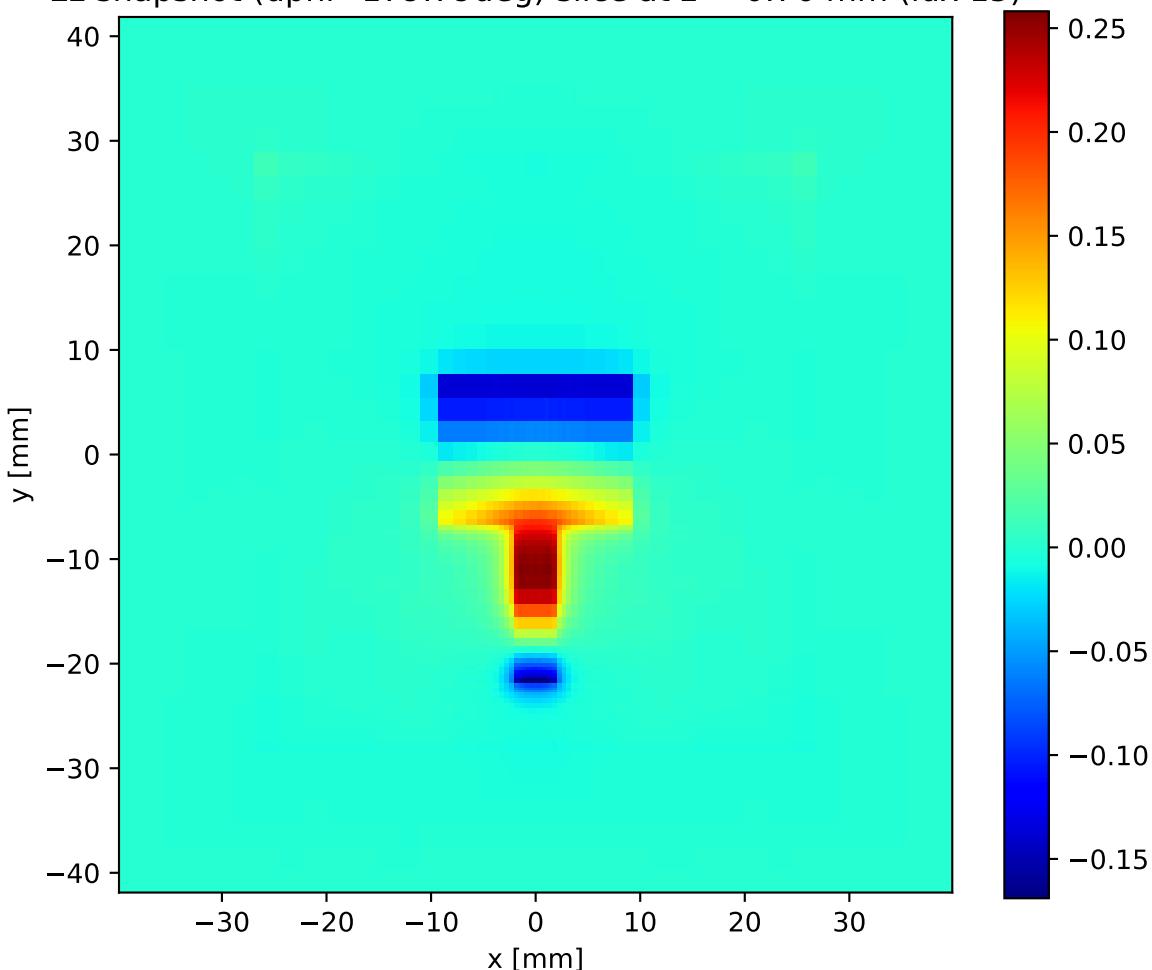
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



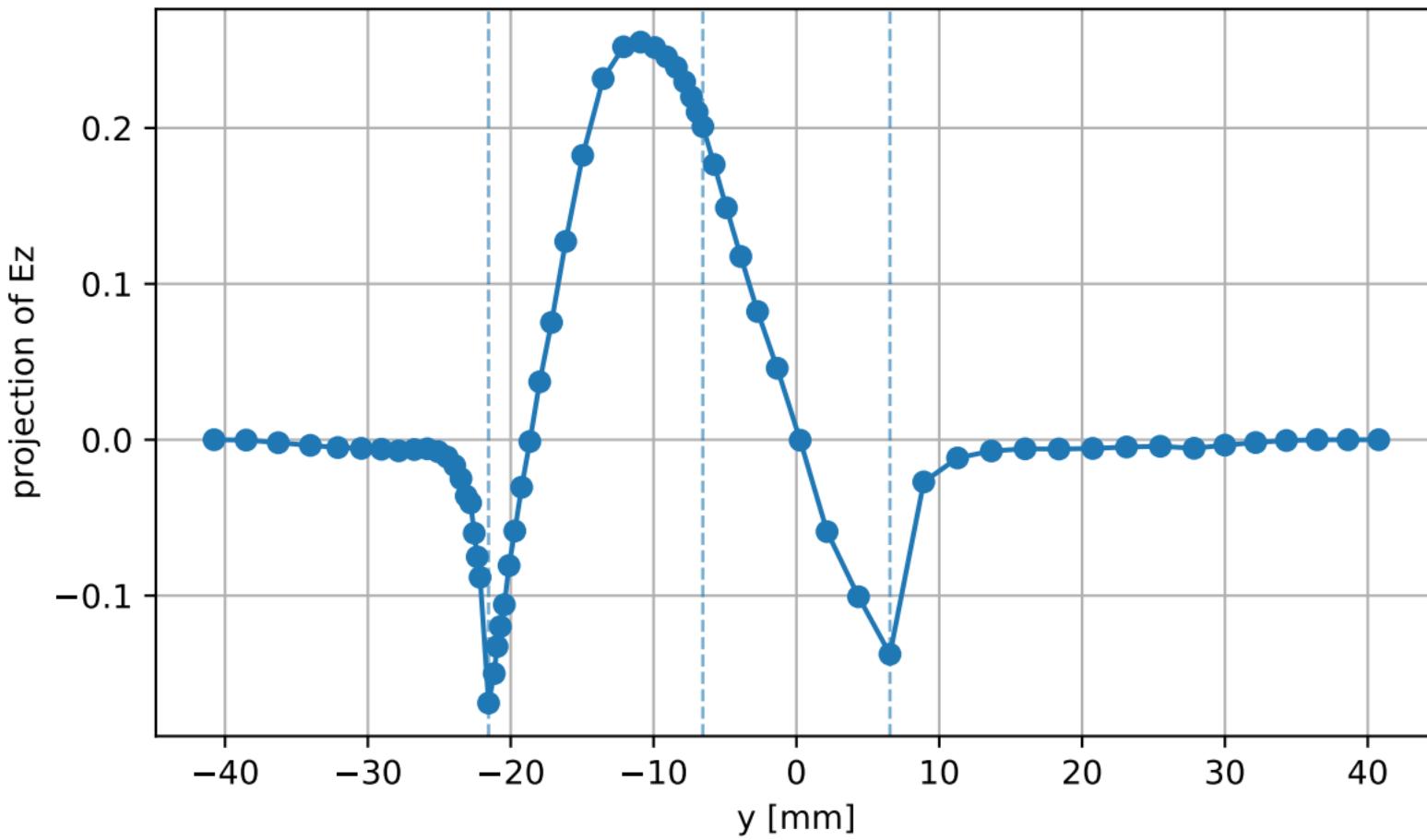
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=29$, $z=15$)



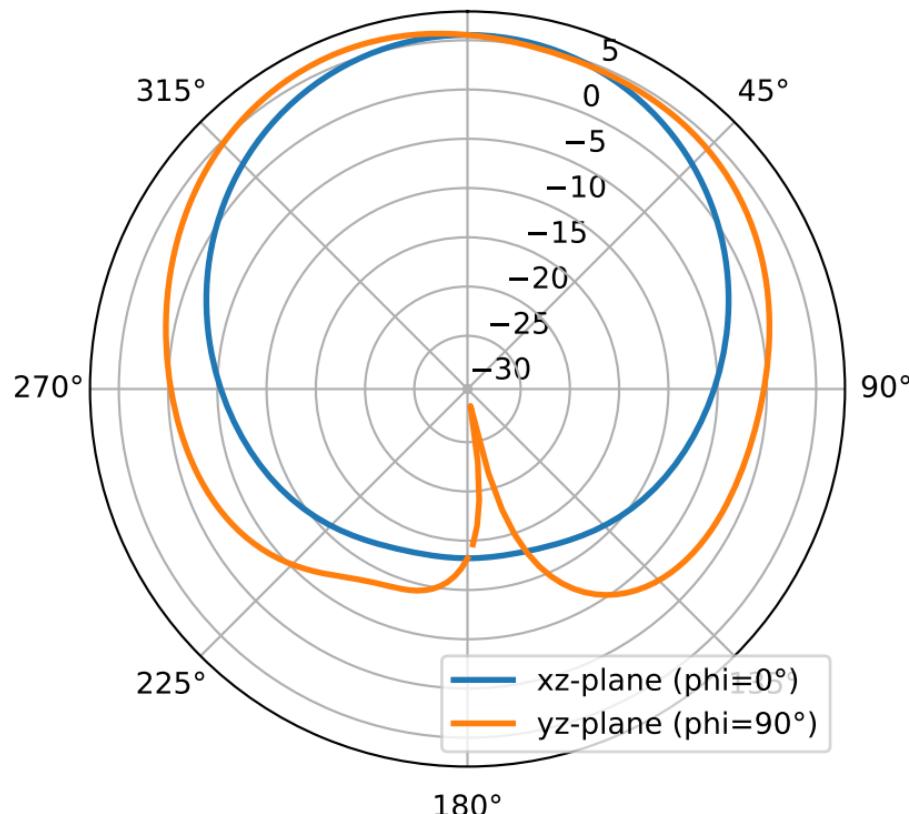
Ez snapshot (dphi=179.79deg) slice at z = 0.76 mm (idx 15)



Ez snapshot (dphi=179.79deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=29, z=15)

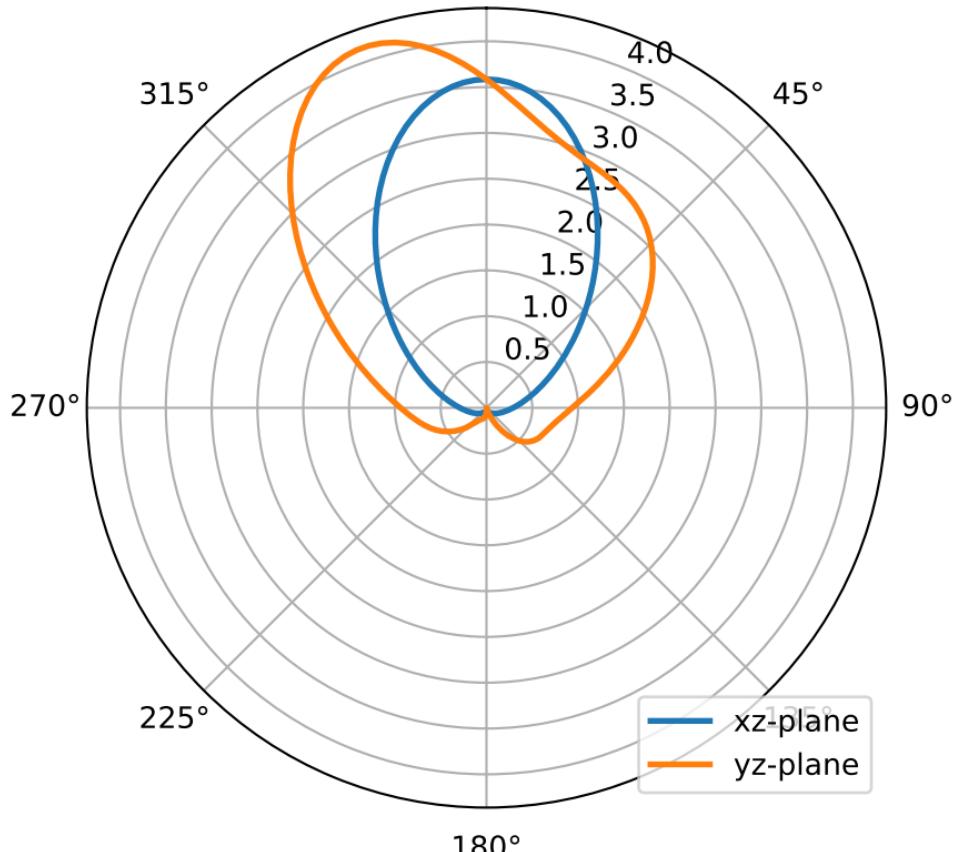


$f = 5.832 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 6.19 \text{ dB}$, nf2ff $D_{\max} = 6.19 \text{ dB}$

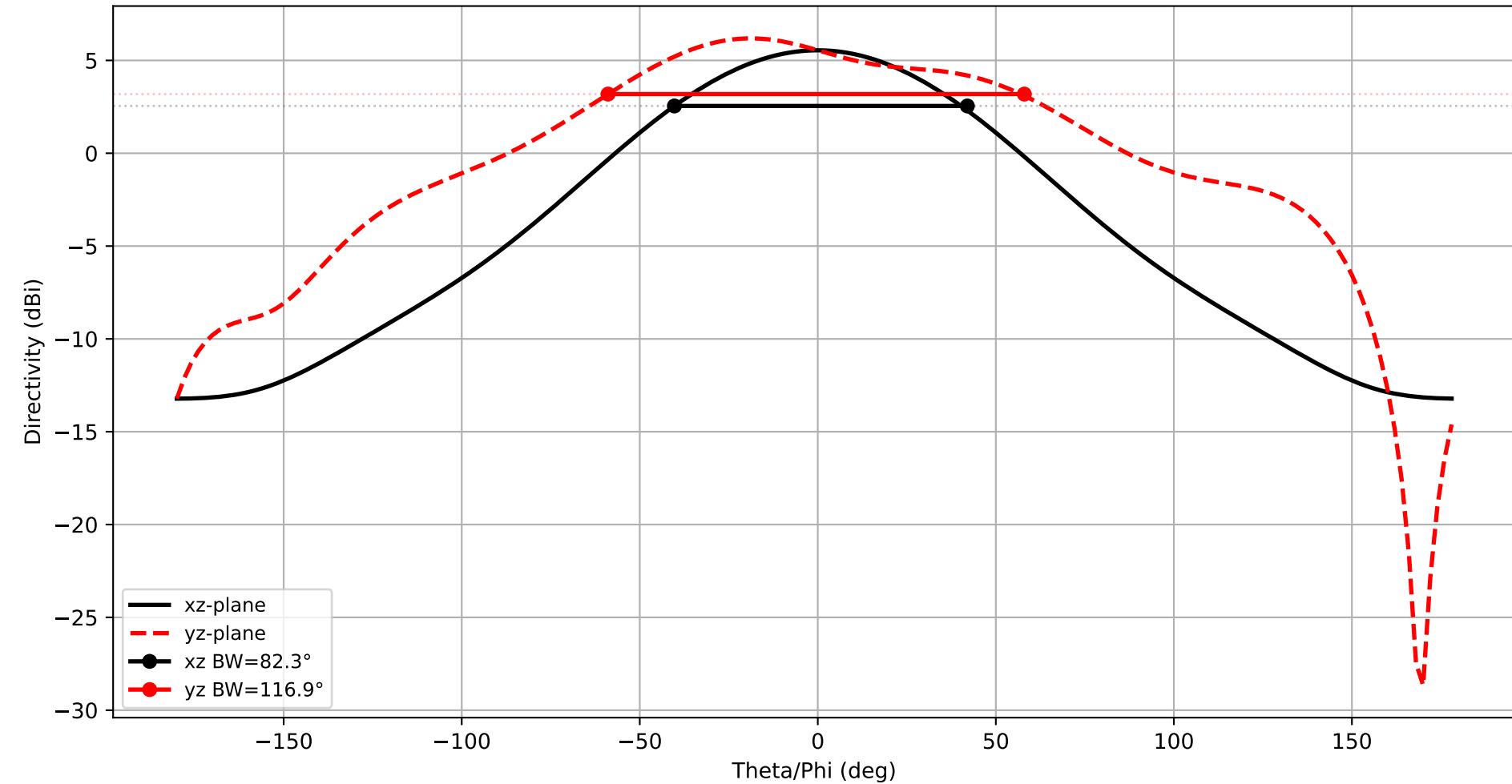


Frequency: 5.832 GHz — Directivity (linear). Dmax: 4.155

0°



Frequency: 5.832 GHz
xz-plane: HPBW=82.3°
yz-plane: HPBW=116.9°



3D Directivity Pattern
 $f = 5.832 \text{ GHz}$, $D_{\max} = 6.18 \text{ dBi}$

