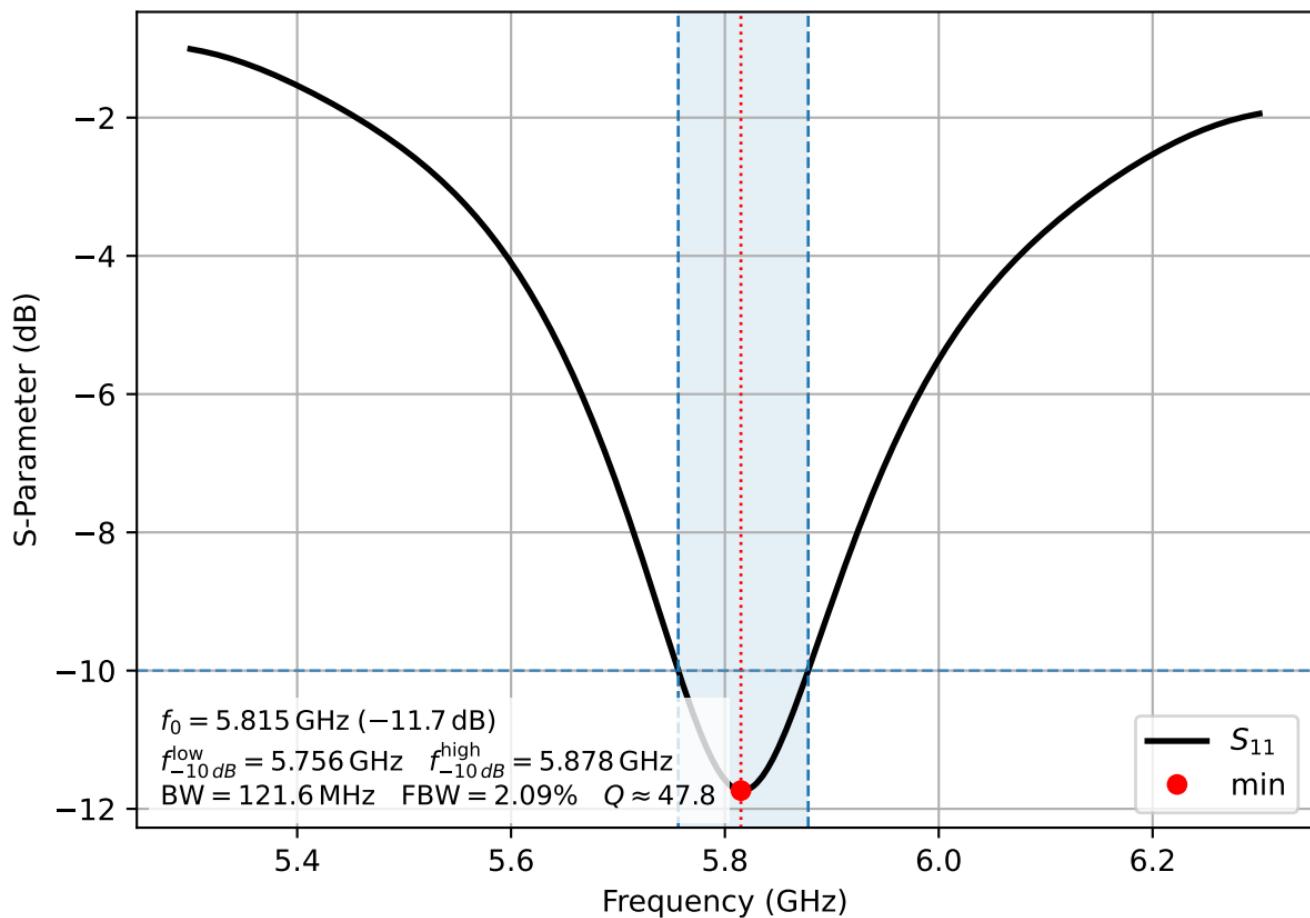
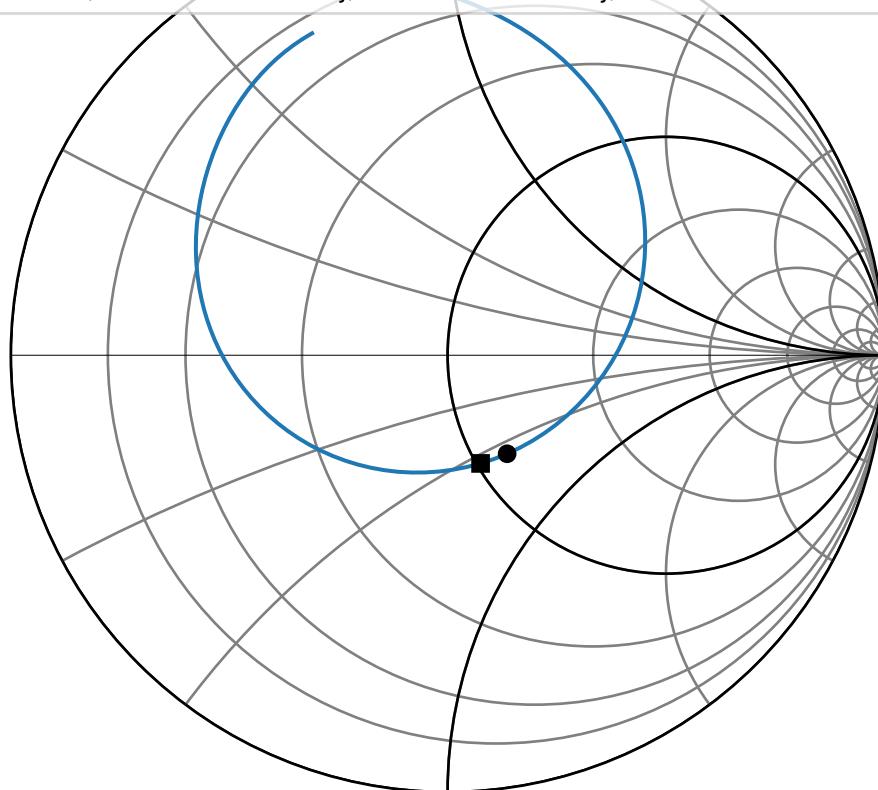


Reflection Coefficient S_{11}

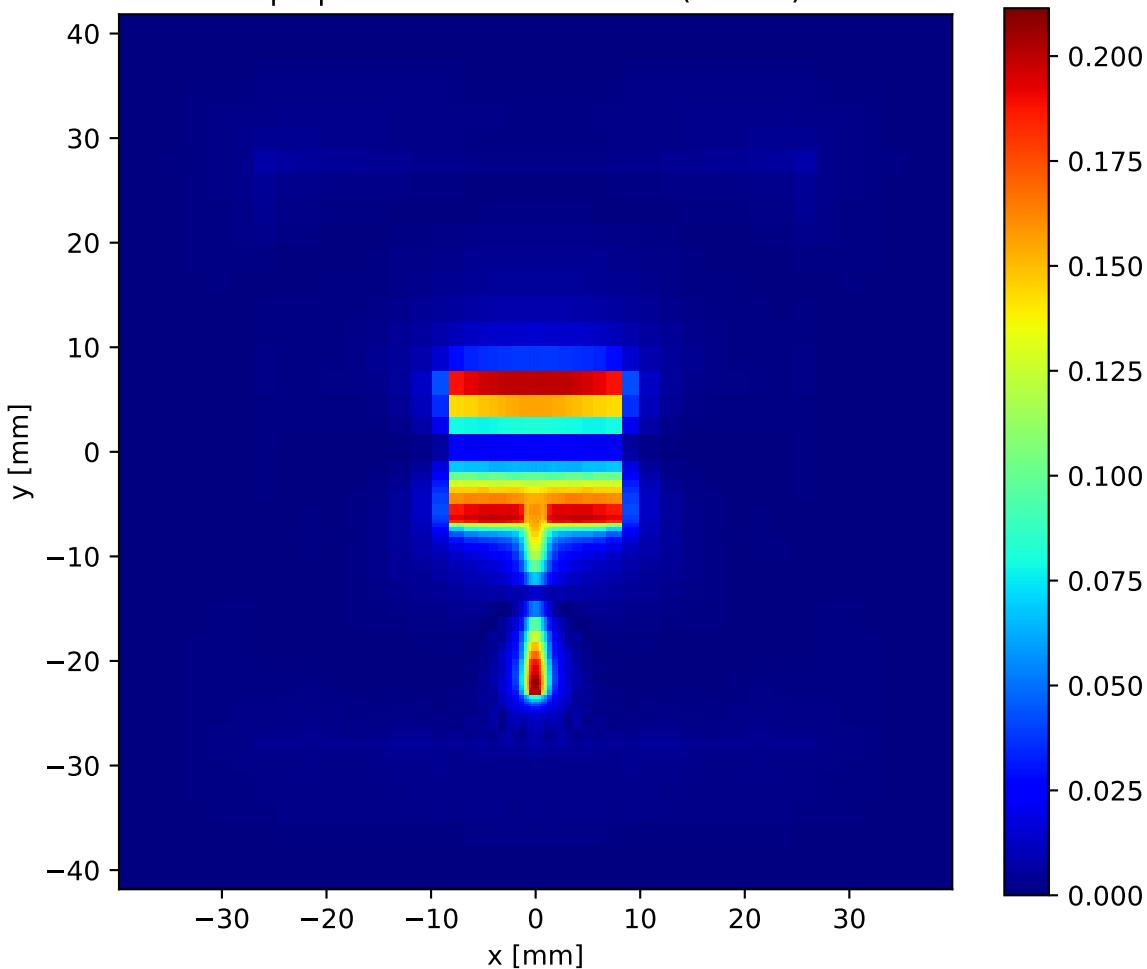


Smith Chart

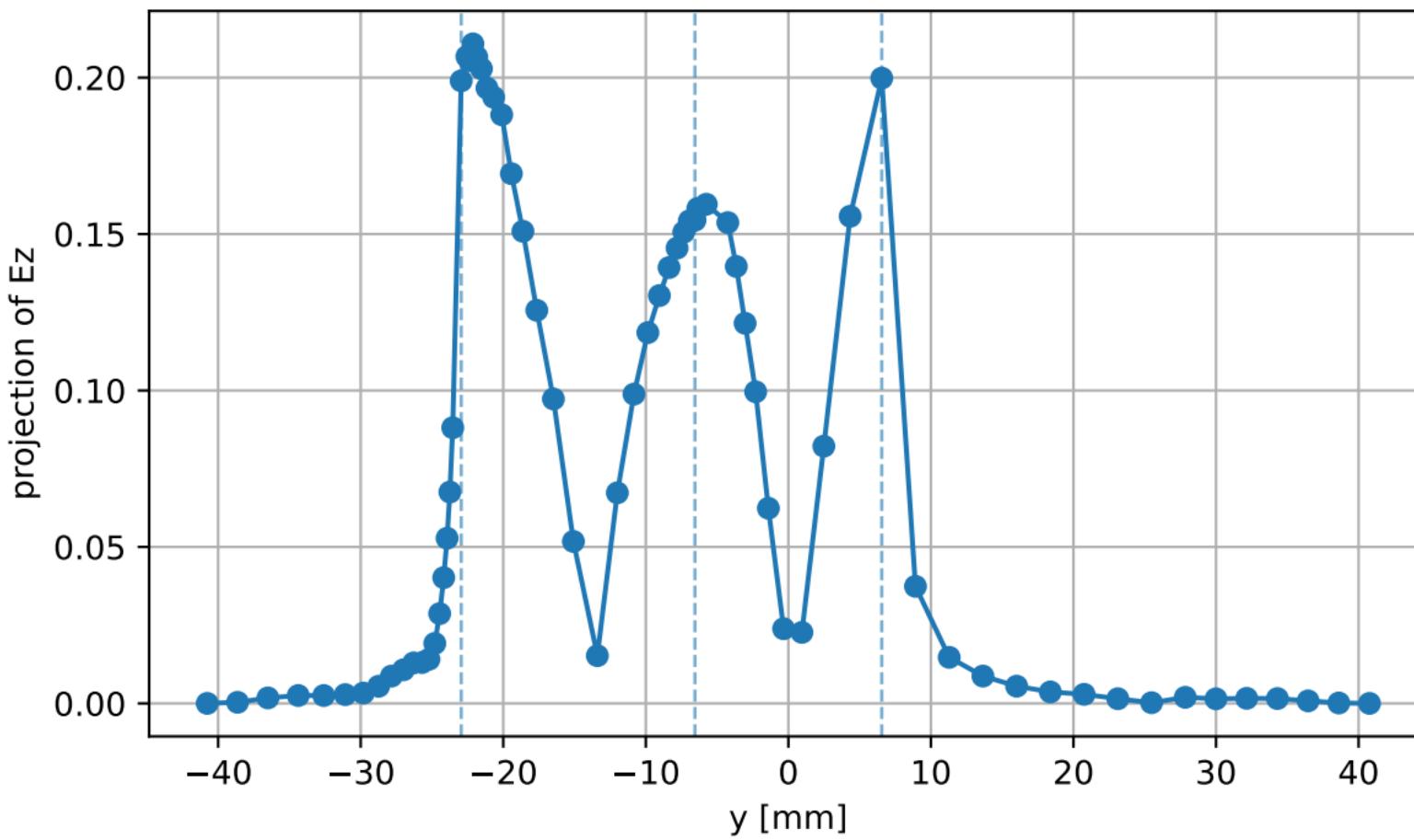
- S11 (Patch W=15.00 mm, L=13.10 mm)
- 5.80 GHz, $S_{11}=0.136-0.226j$, $R=116.77-56.61j$, $G_{norm}=0.69+0.34j$
- 5.82 GHz, $S_{11}=0.076-0.248j$, $R=101.85-54.08j$, $G_{2norm}=0.77+0.41j$



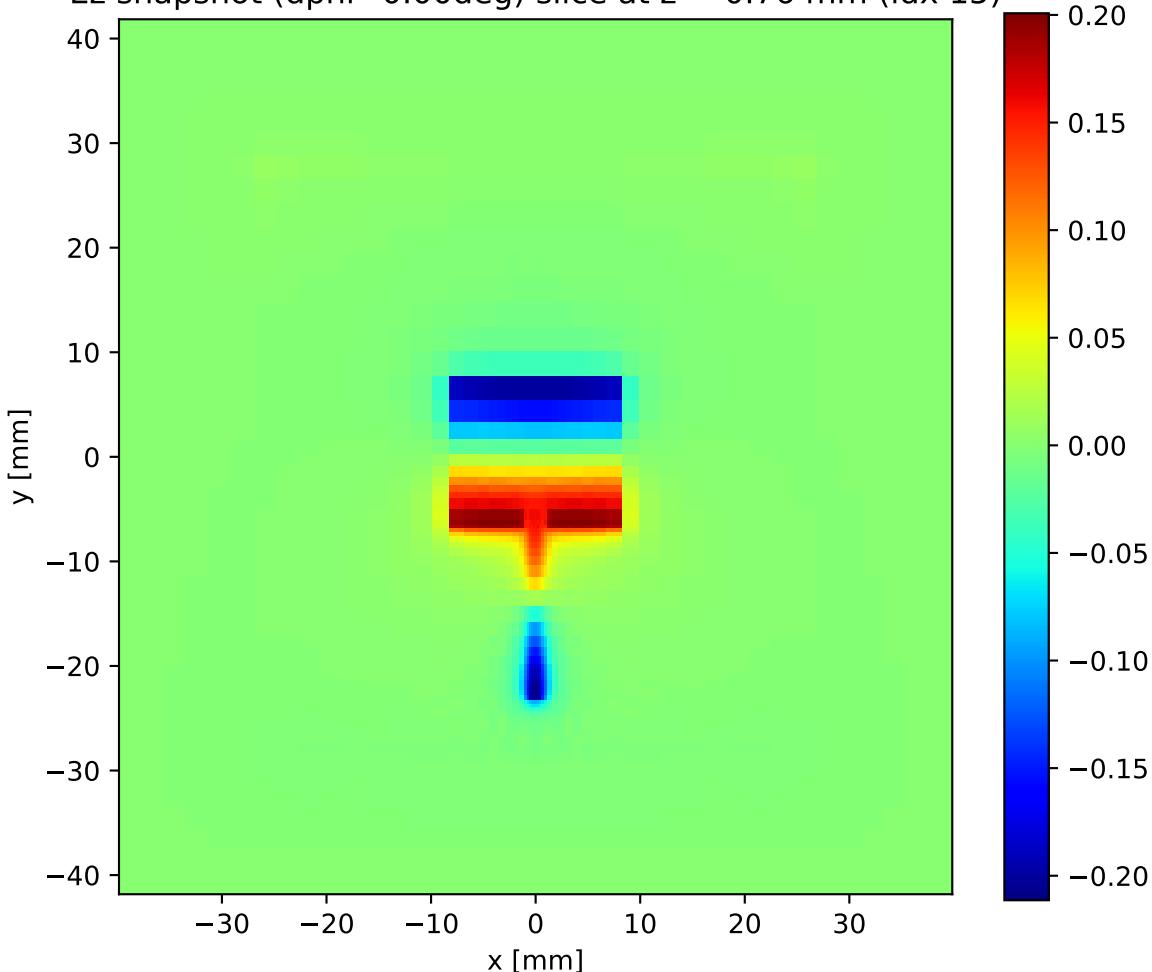
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



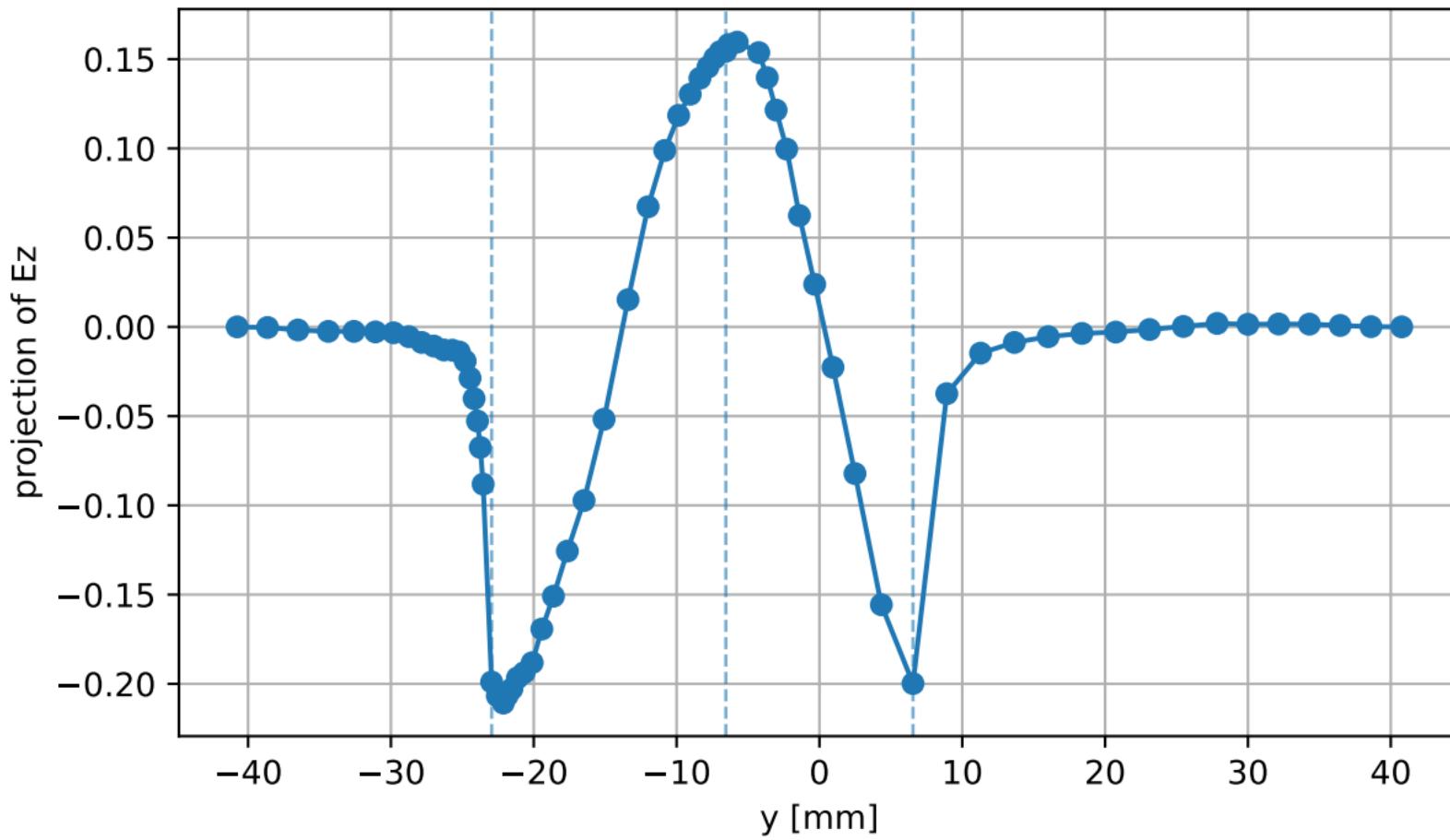
$|E_z|$ line cut along Y at $x=0.10$ mm, $z=0.76$ mm
(idx $x=28$, $z=15$)



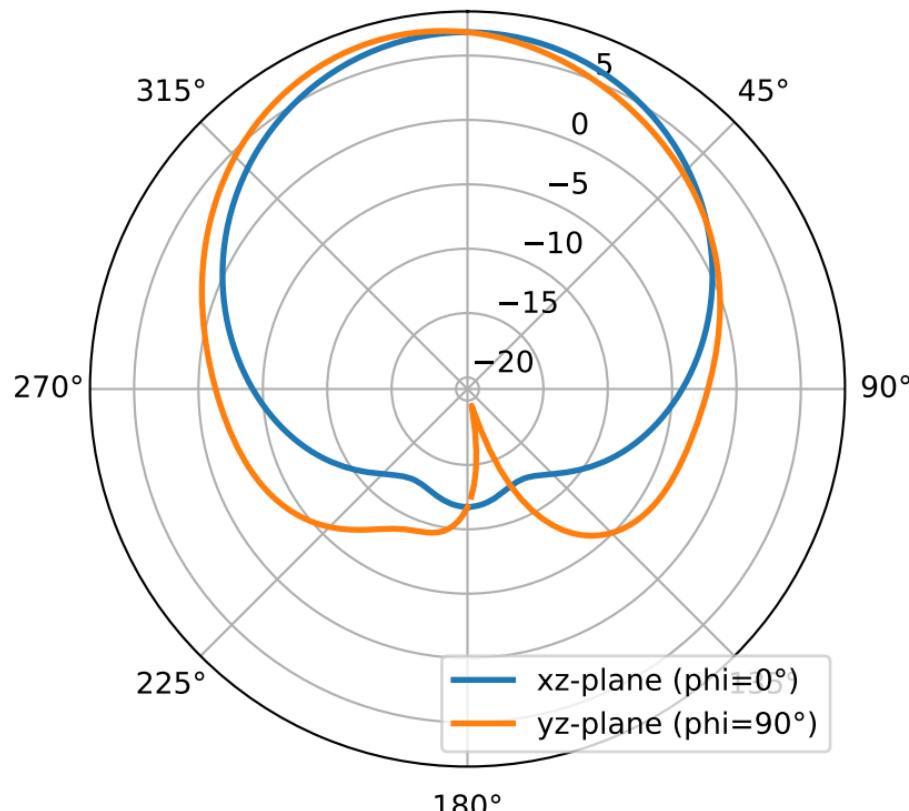
Ez snapshot (dphi=0.00deg) slice at z = 0.76 mm (idx 15)



Ez snapshot ($d\phi=0.00\text{deg}$) line cut along Y at $x=0.10 \text{ mm}$, $z=0.76 \text{ mm}$
(idx $x=28$, $z=15$)

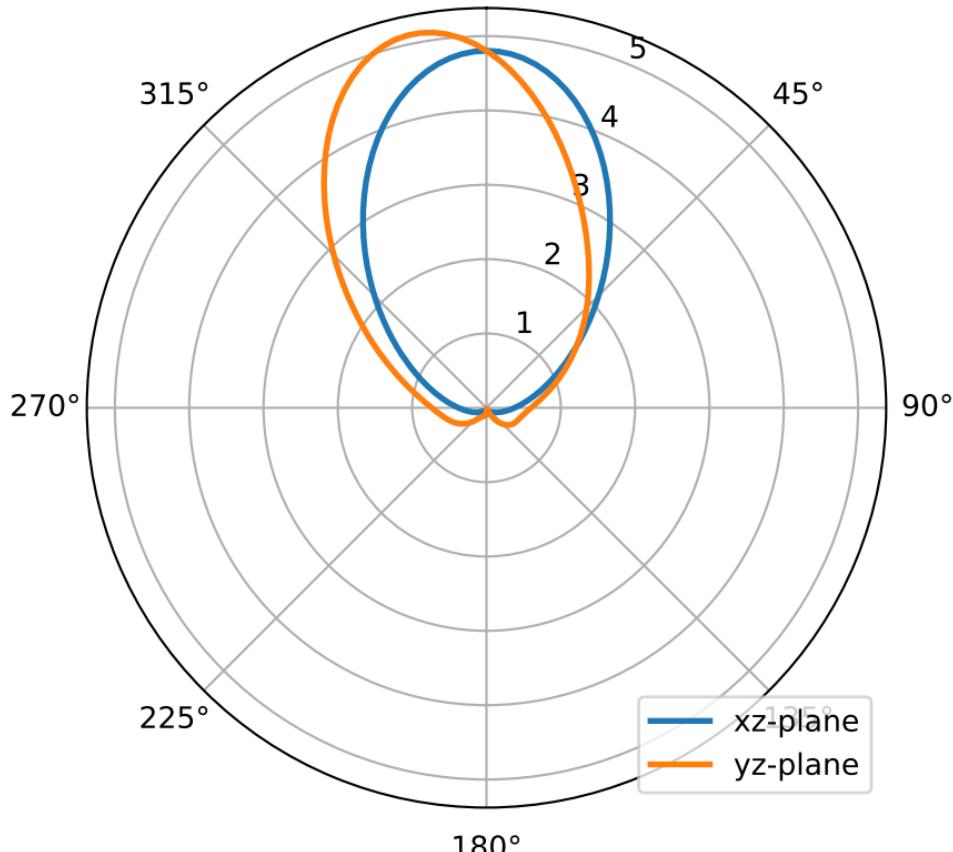


$f = 5.815 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 7.09 \text{ dB}$, nf2ff $D_{\max} = 7.09 \text{ dB}$

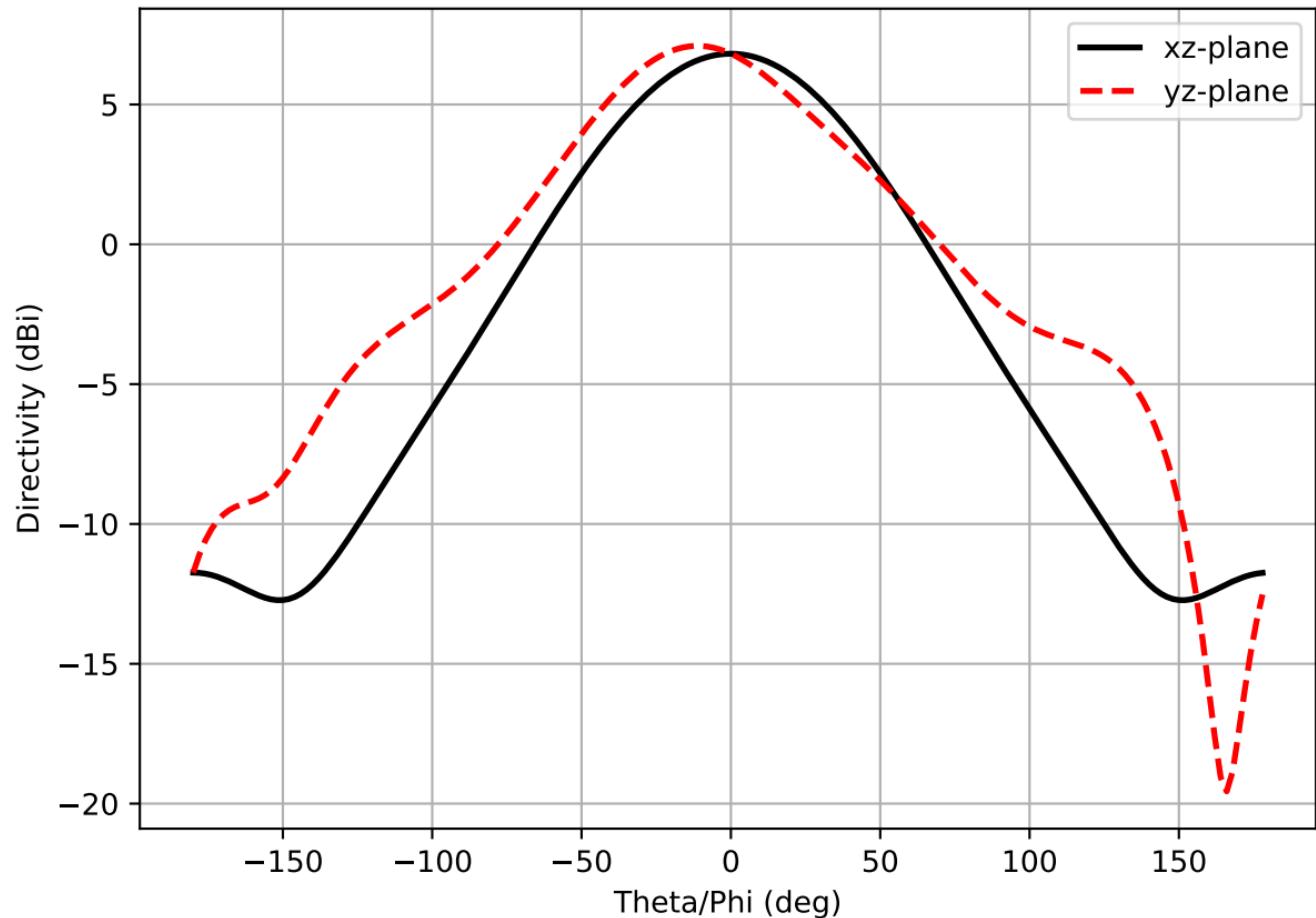


Frequency: 5.815 GHz — Directivity (linear). Dmax: 5.122

0°



Frequency: 5.815 GHz



3D Directivity Pattern
 $f = 5.815 \text{ GHz}$, $D_{\max} = 7.09 \text{ dBi}$

