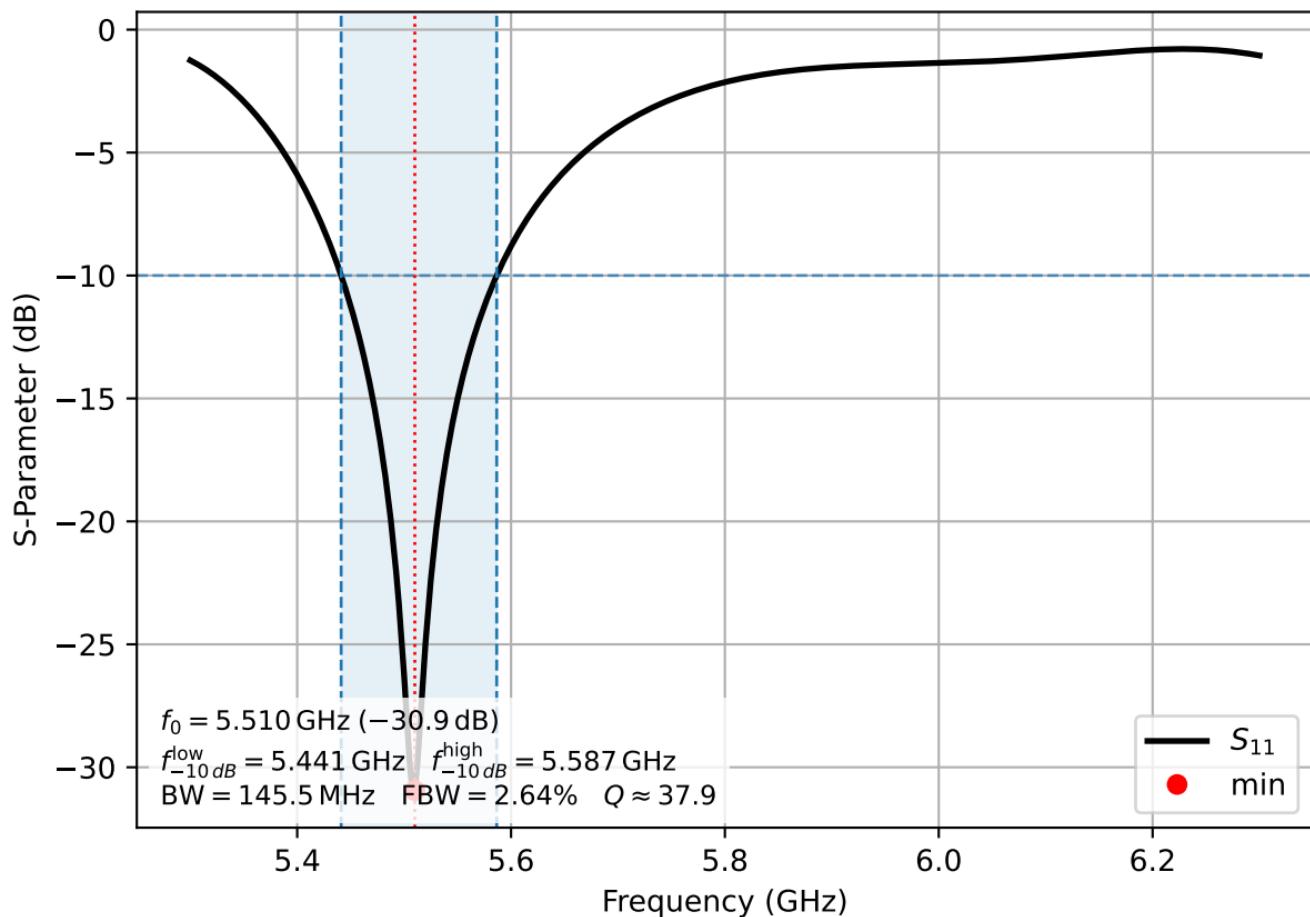
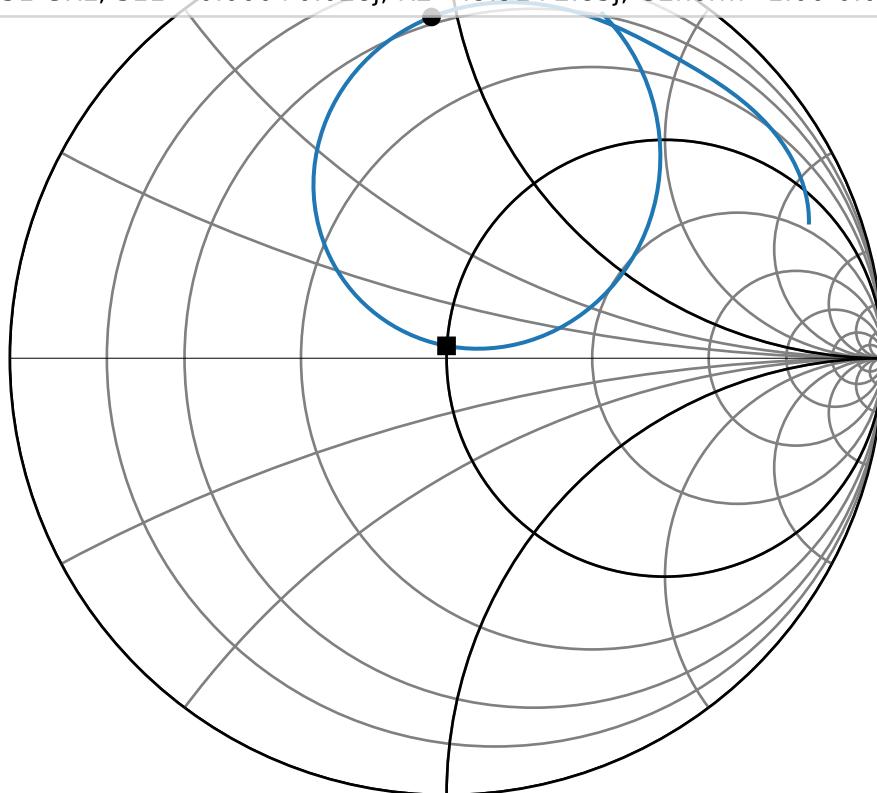


Reflection Coefficient S_{11}

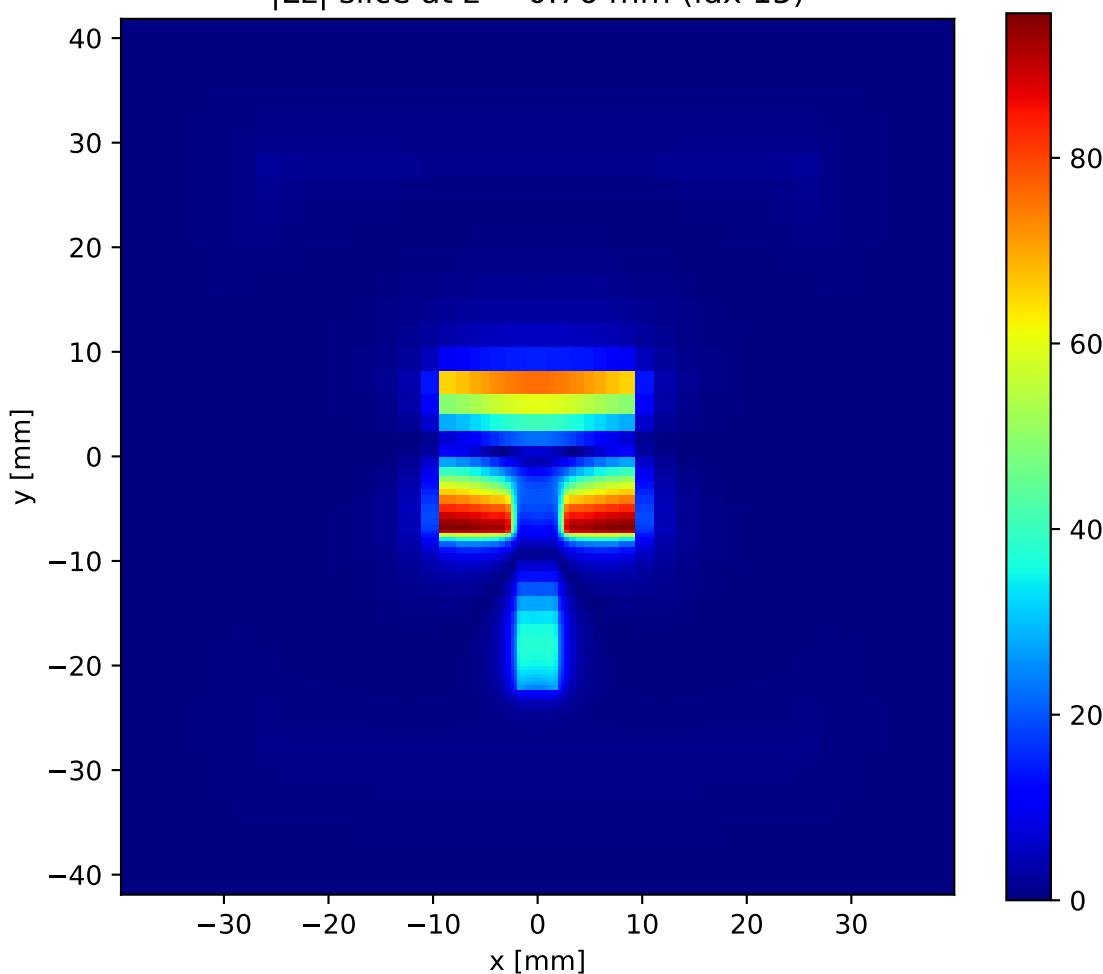


Smith Chart

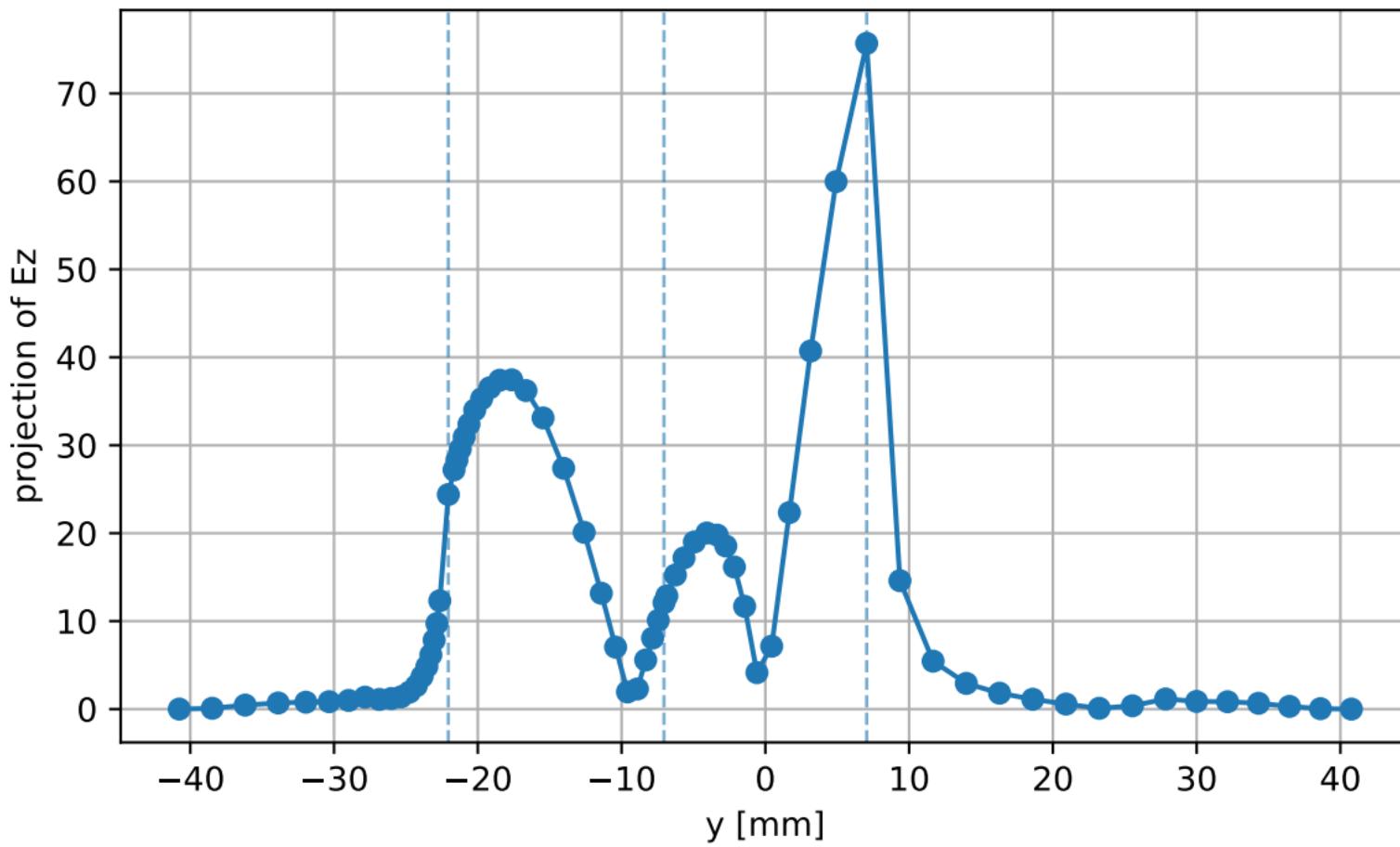
- S11 (Patch W=17.10 mm, L=14.10 mm)
- 5.80 GHz, S11=-0.034+0.781j, R=11.56+46.49j, Gnorm=0.25-1.01j
- 5.51 GHz, S11=-0.000+0.028j, R2=49.91+2.83j, G2norm=1.00-0.06j



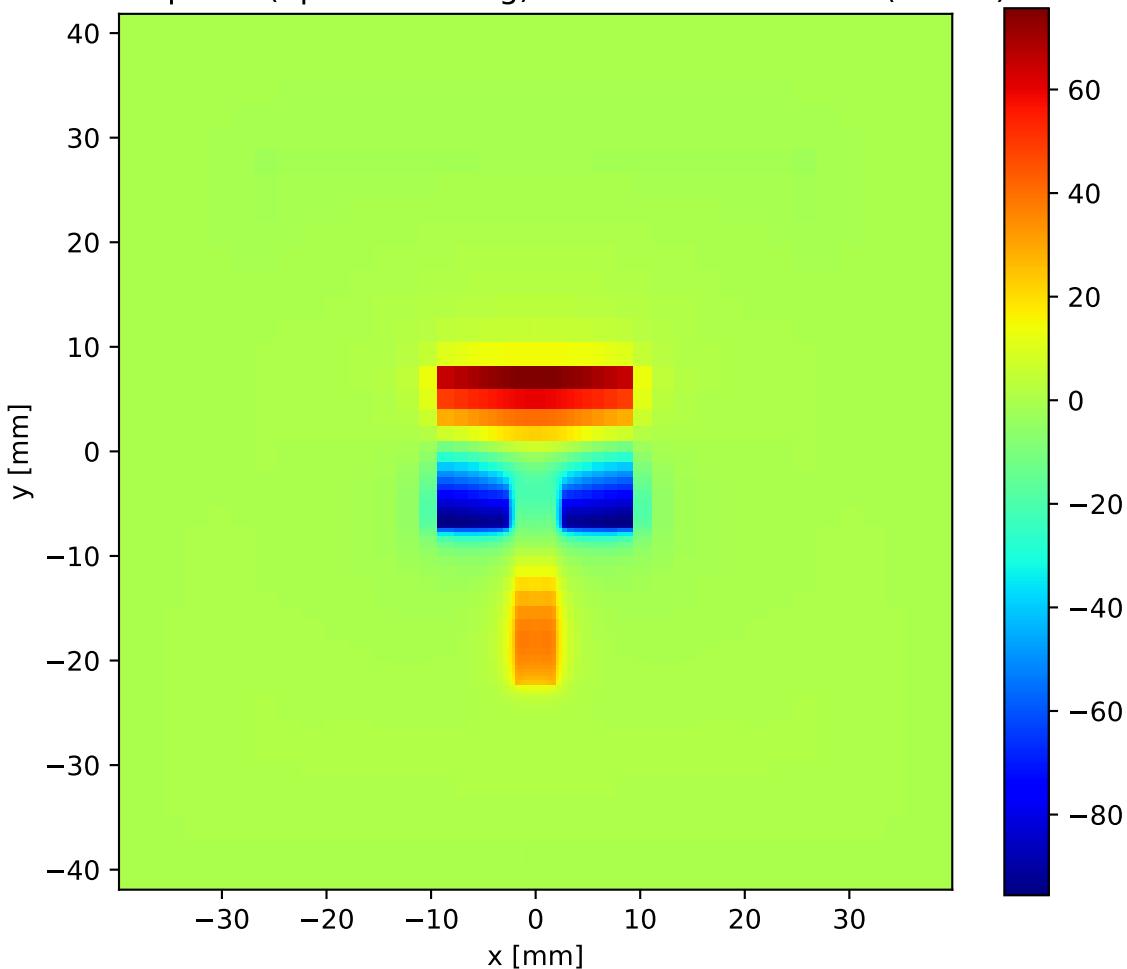
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



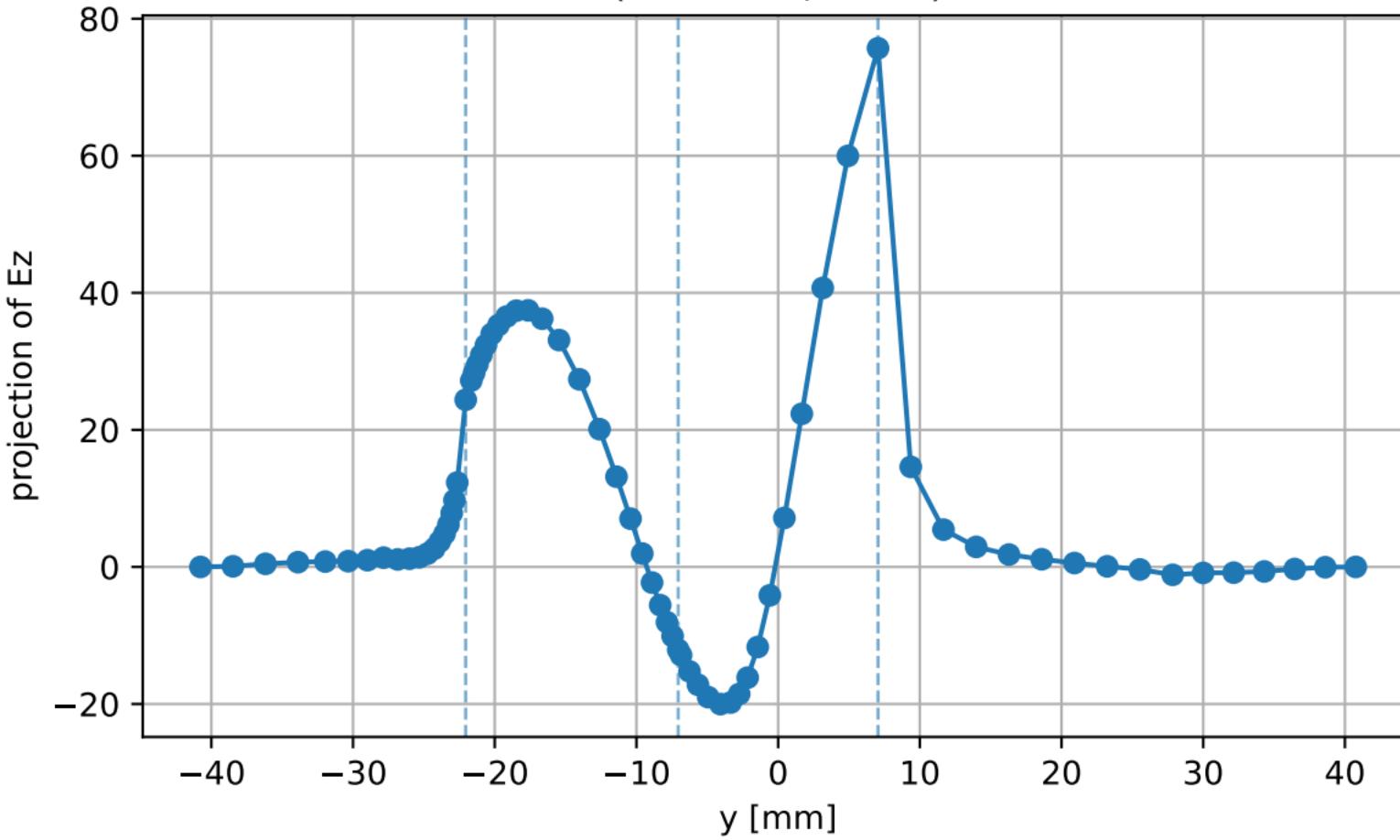
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=30$, $z=15$)



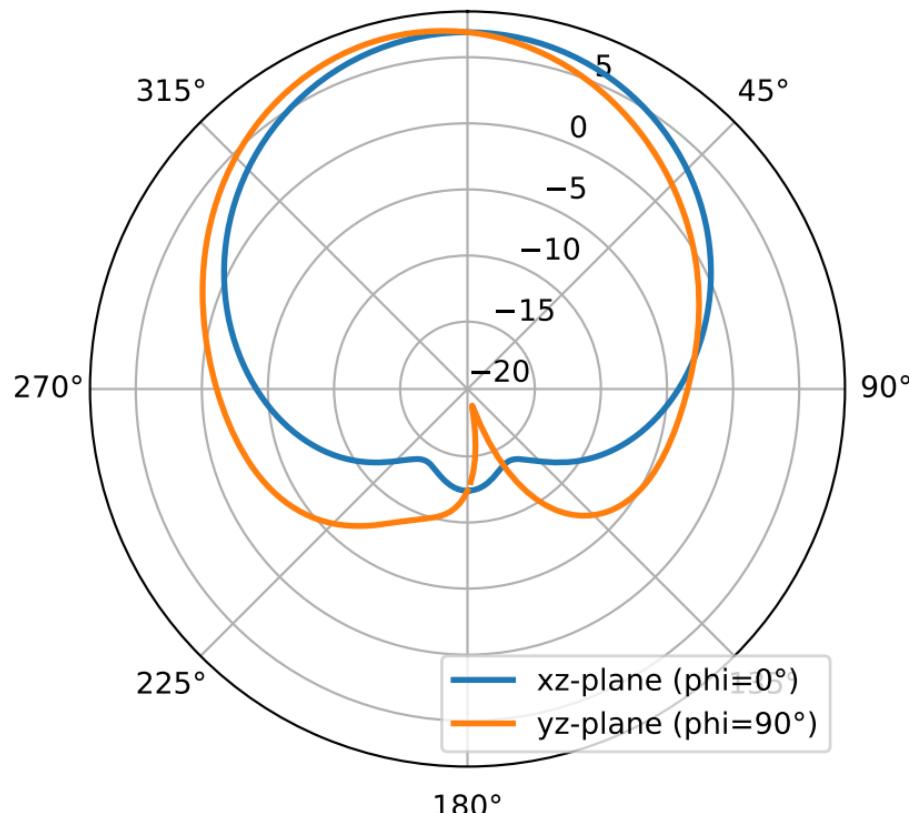
Ez snapshot ($d\phi = -0.33\text{deg}$) slice at $z = 0.76 \text{ mm}$ (idx 15)



Ez snapshot (dphi=-0.33deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=30, z=15)

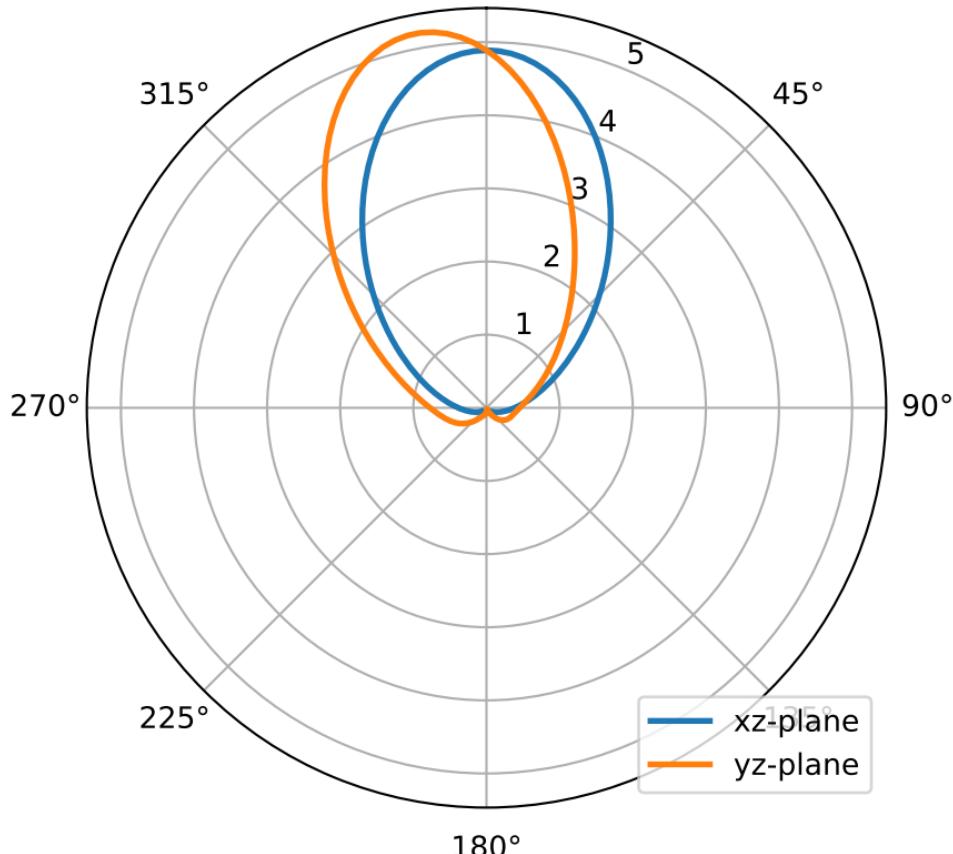


$f = 5.510 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 7.17 \text{ dB}$, nf2ff $D_{\max} = 7.17 \text{ dB}$

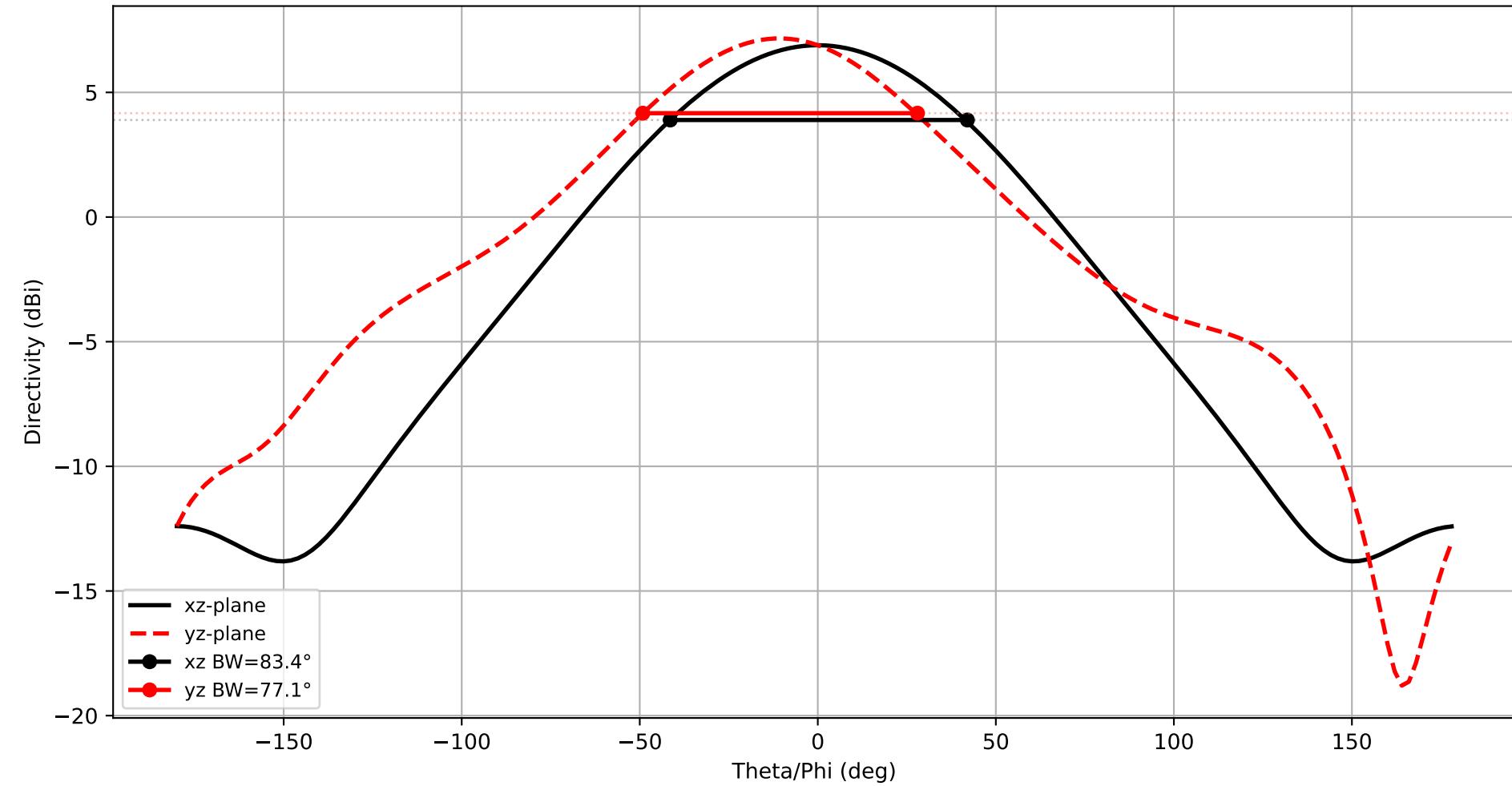


Frequency: 5.510 GHz — Directivity (linear). Dmax: 5.207

0°



Frequency: 5.510 GHz
xz-plane: HPBW=83.4°
yz-plane: HPBW=77.1°



3D Directivity Pattern
 $f = 5.510 \text{ GHz}$, $D_{\max} = 7.17 \text{ dBi}$

