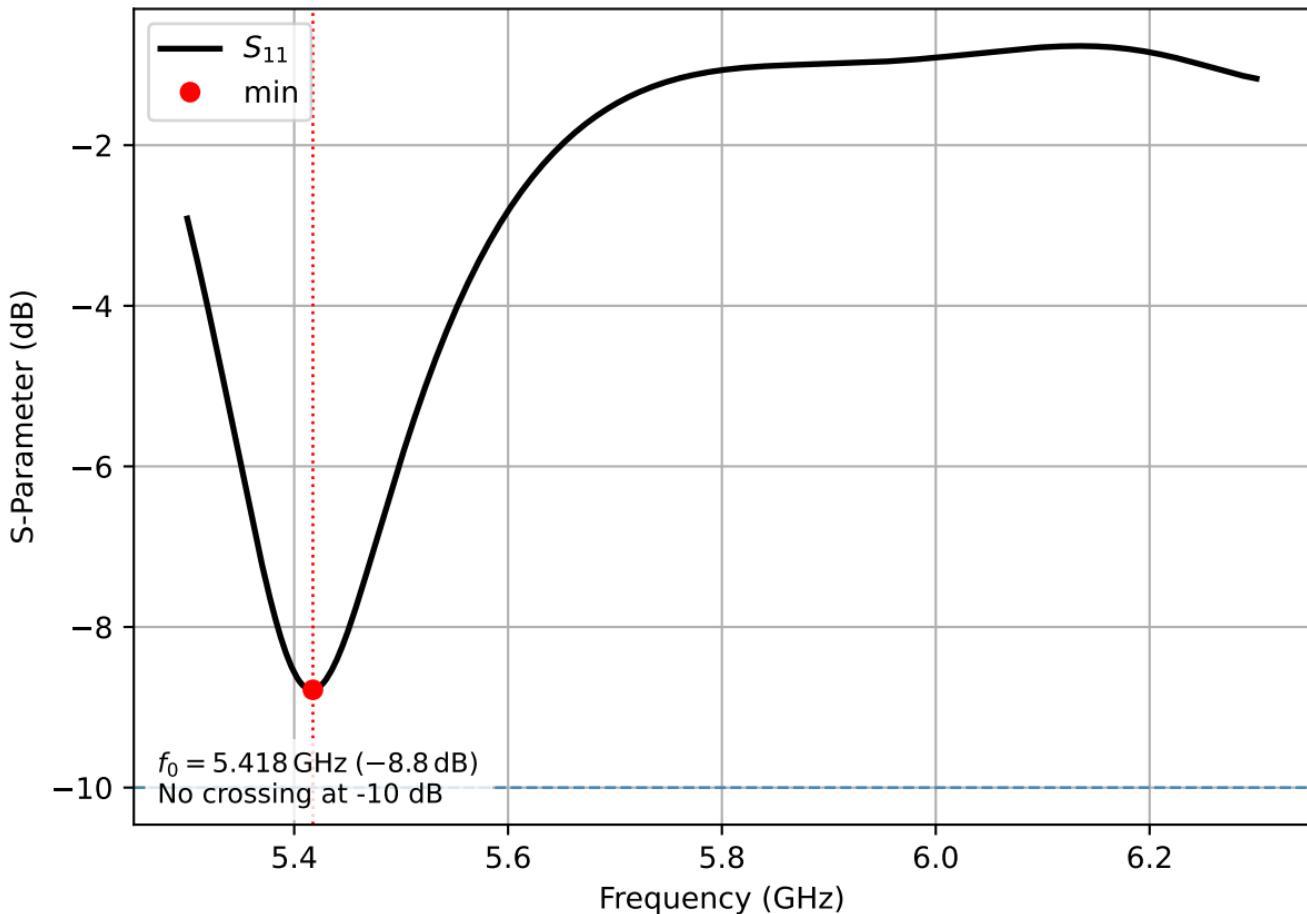
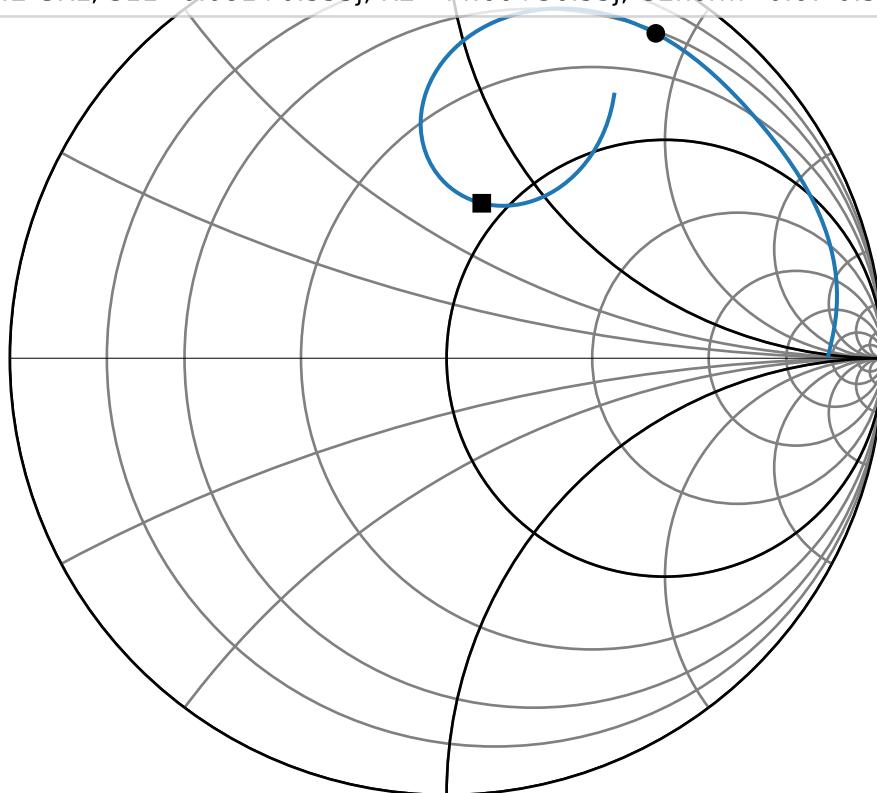


Reflection Coefficient S_{11}

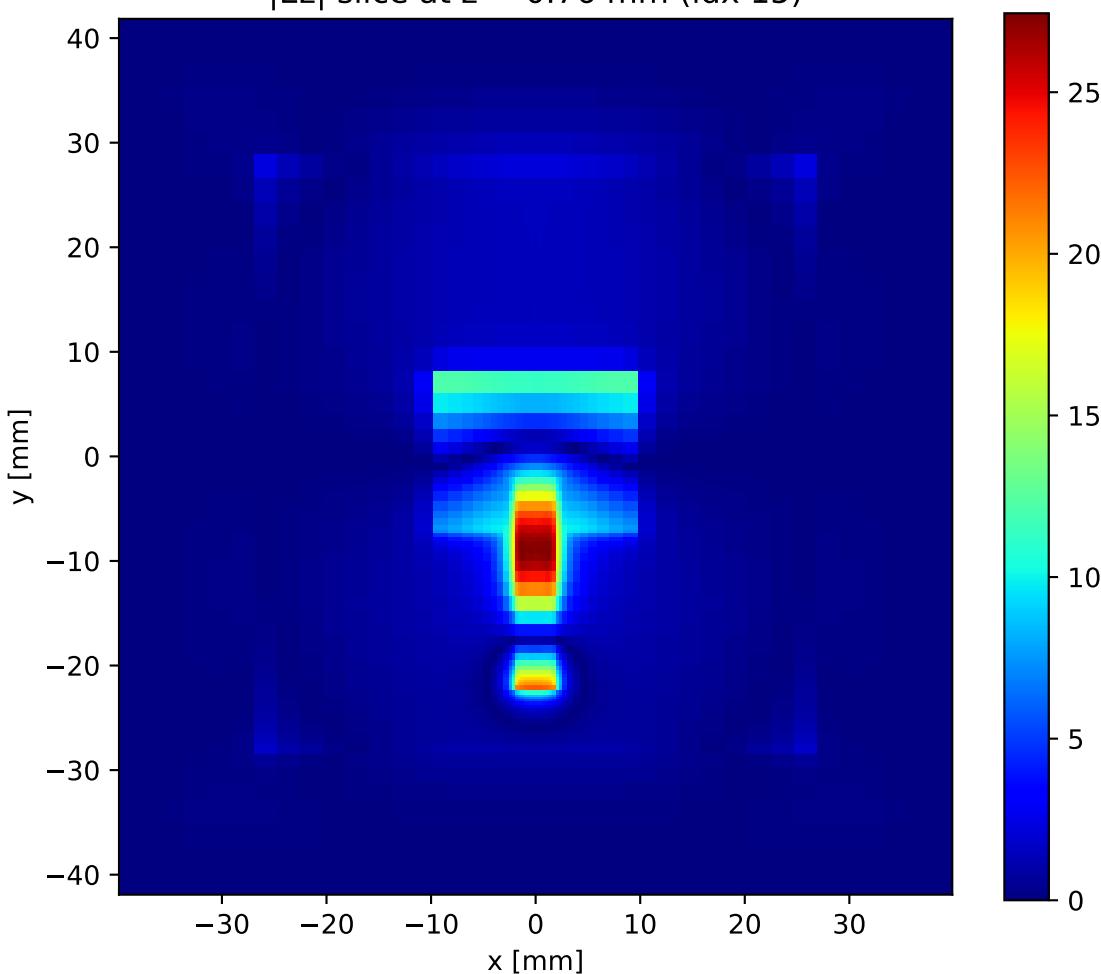


Smith Chart

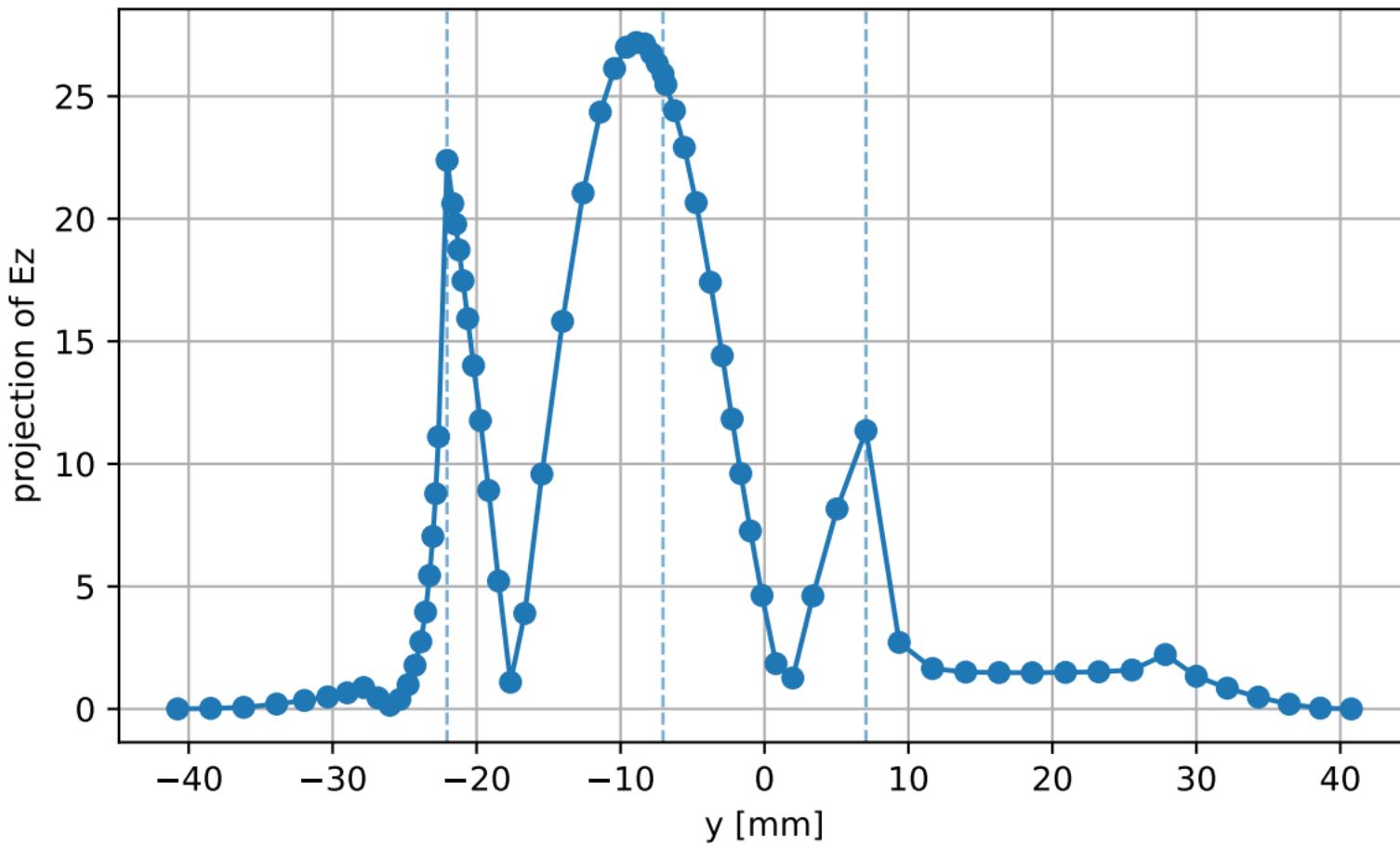
- S11 (Patch W=18.10 mm, L=14.10 mm)
- 5.80 GHz, $S_{11}=0.479+0.744j$, $R=13.18+90.19j$, $G_{norm}=0.08-0.54j$
- 5.42 GHz, $S_{11}=0.081+0.355j$, $R=44.66+36.53j$, $G_{2norm}=0.67-0.55j$



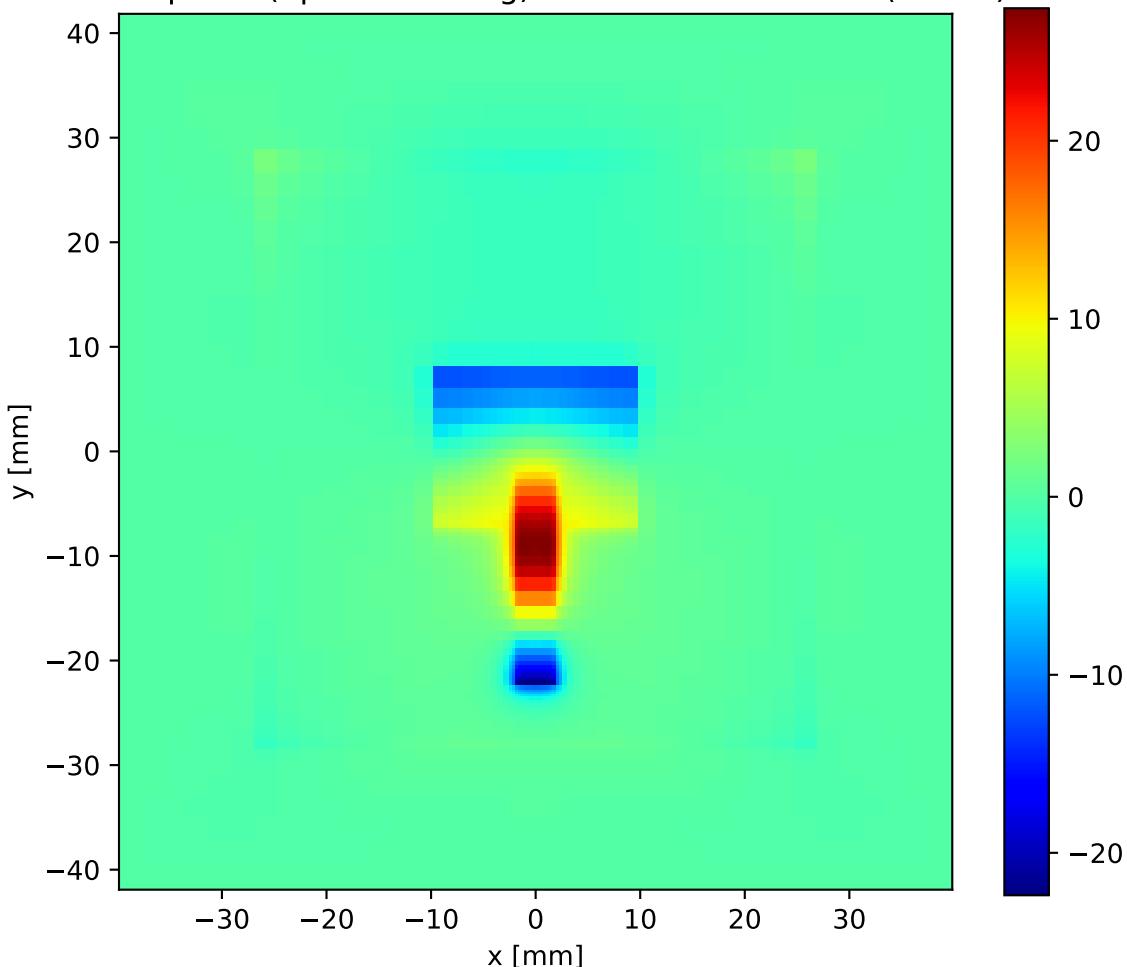
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



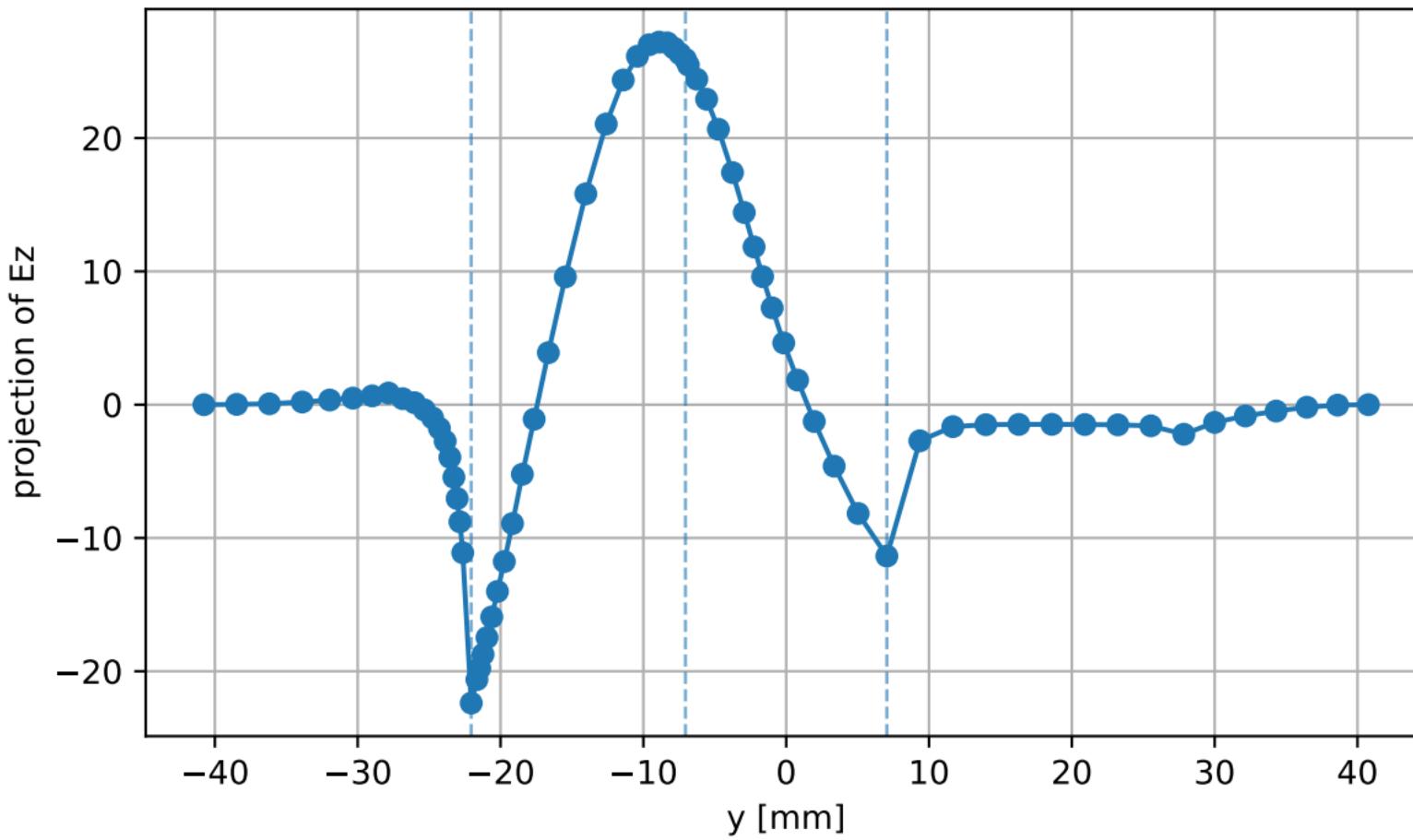
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=31$, $z=15$)



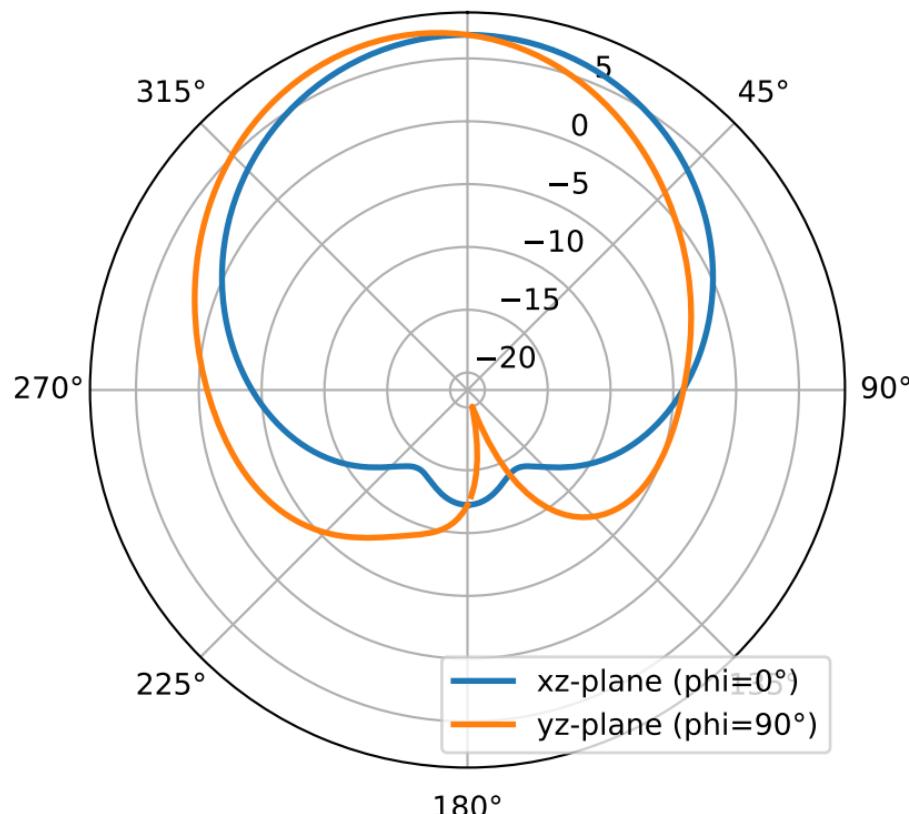
Ez snapshot ($d\phi = -0.19\text{deg}$) slice at $z = 0.76\text{ mm}$ (idx 15)



Ez snapshot (dphi=-0.19deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=31, z=15)

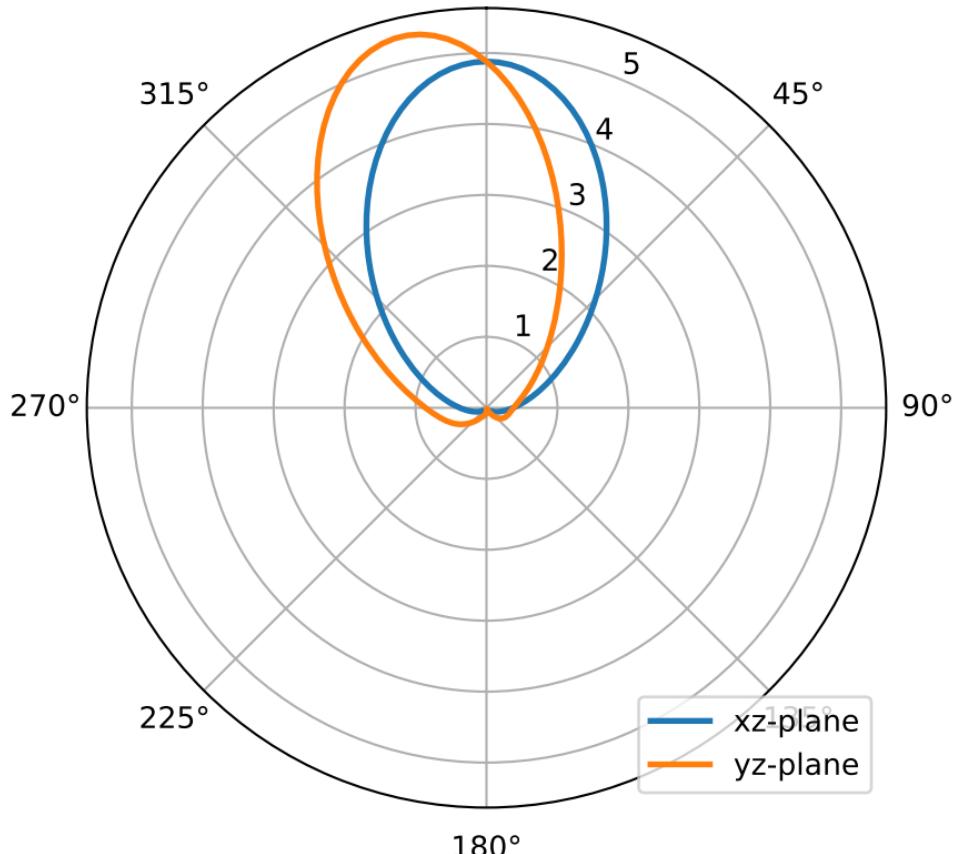


$f = 5.418 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 7.30 \text{ dB}$, nf2ff $D_{\max} = 7.30 \text{ dB}$

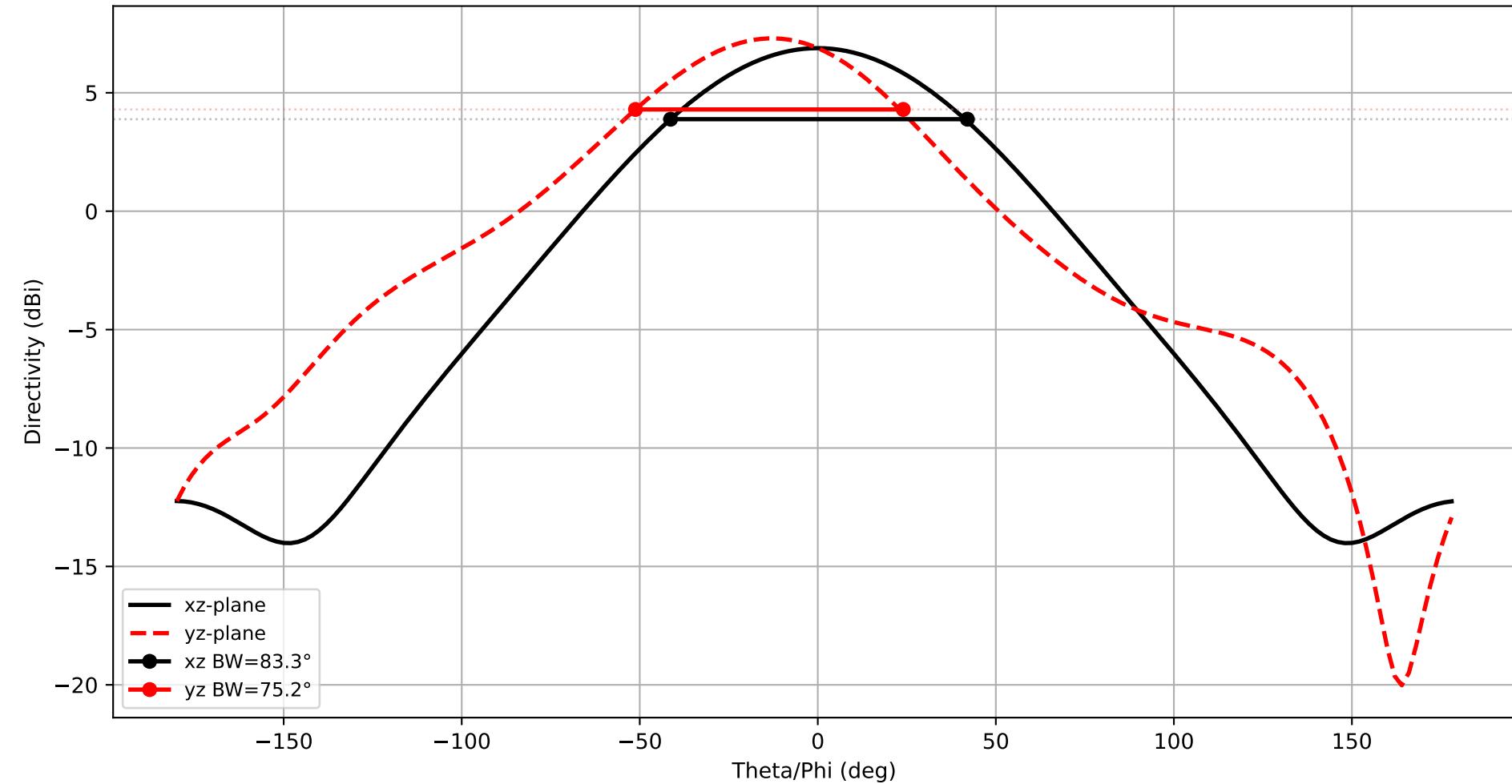


Frequency: 5.418 GHz — Directivity (linear). Dmax: 5.366

0°



Frequency: 5.418 GHz
xz-plane: HPBW=83.3°
yz-plane: HPBW=75.2°



3D Directivity Pattern
 $f = 5.418 \text{ GHz}$, $D_{\max} = 7.29 \text{ dBi}$

