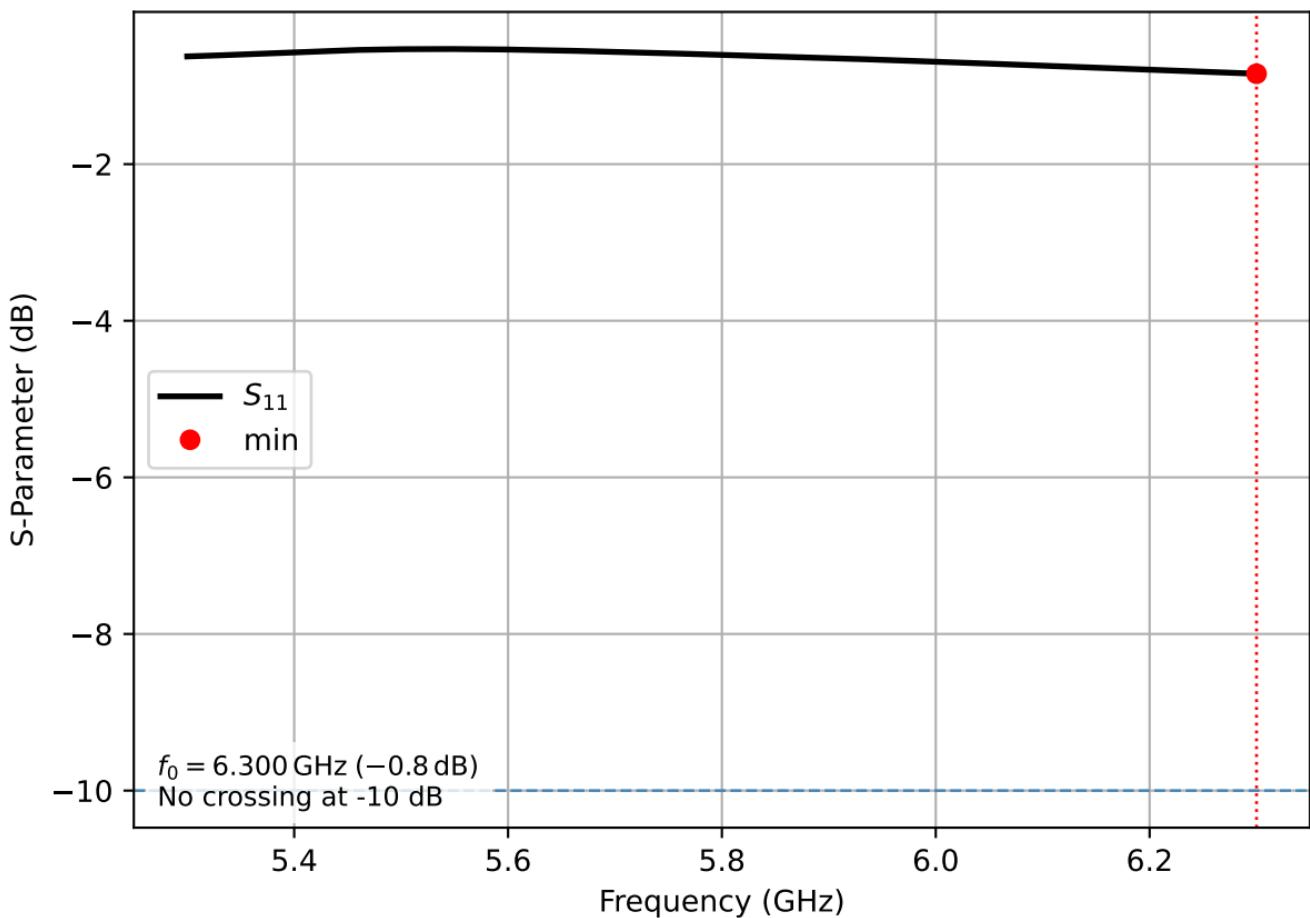
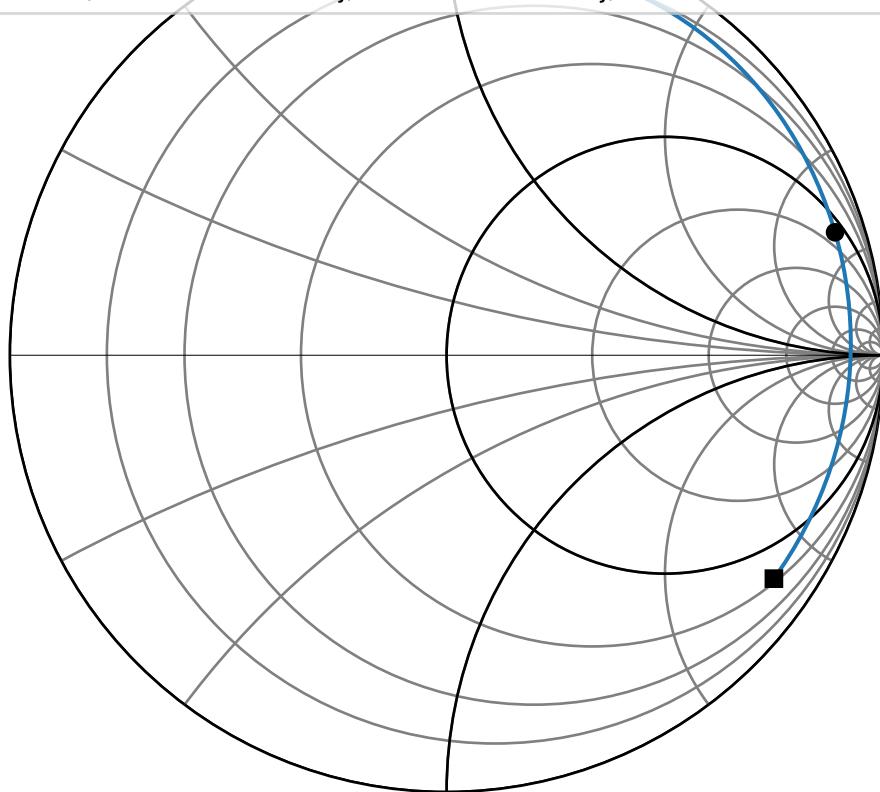


Reflection Coefficient S_{11}

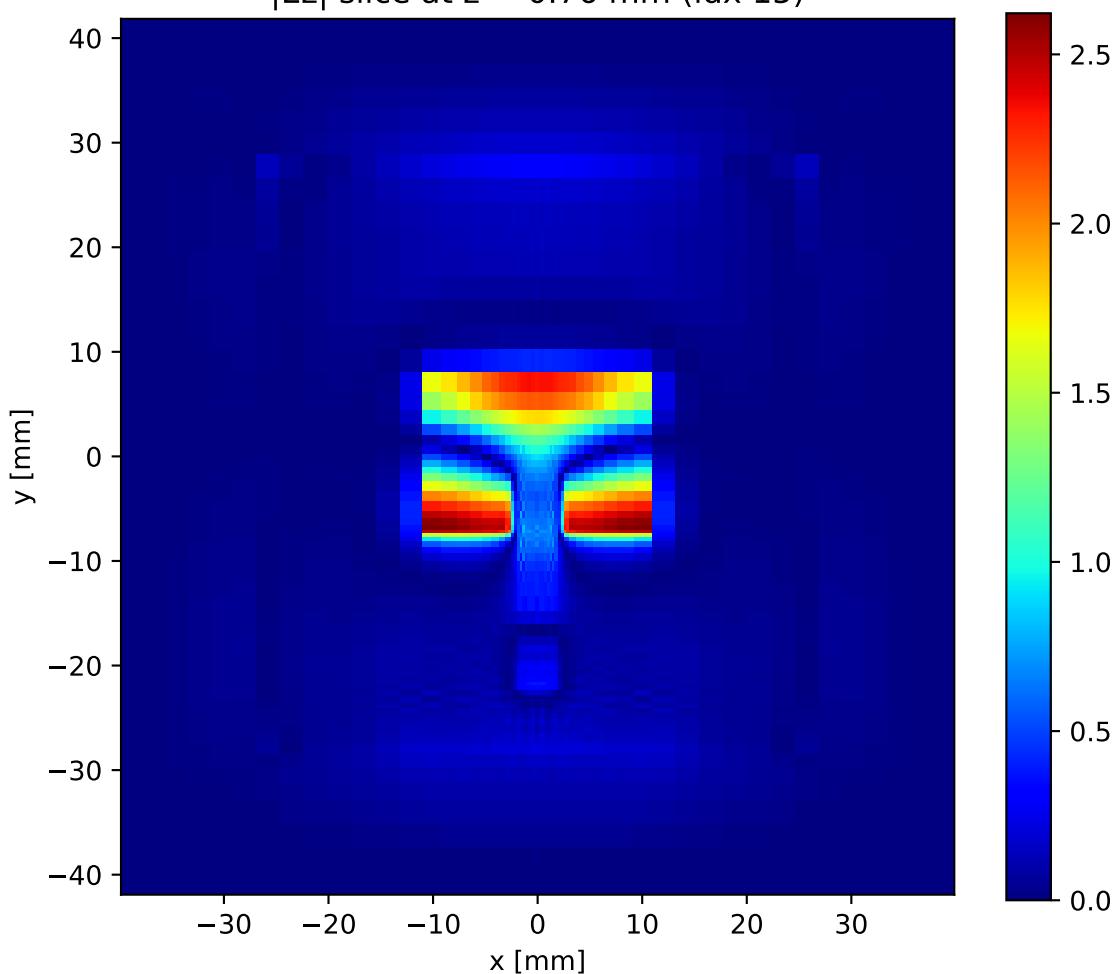


Smith Chart

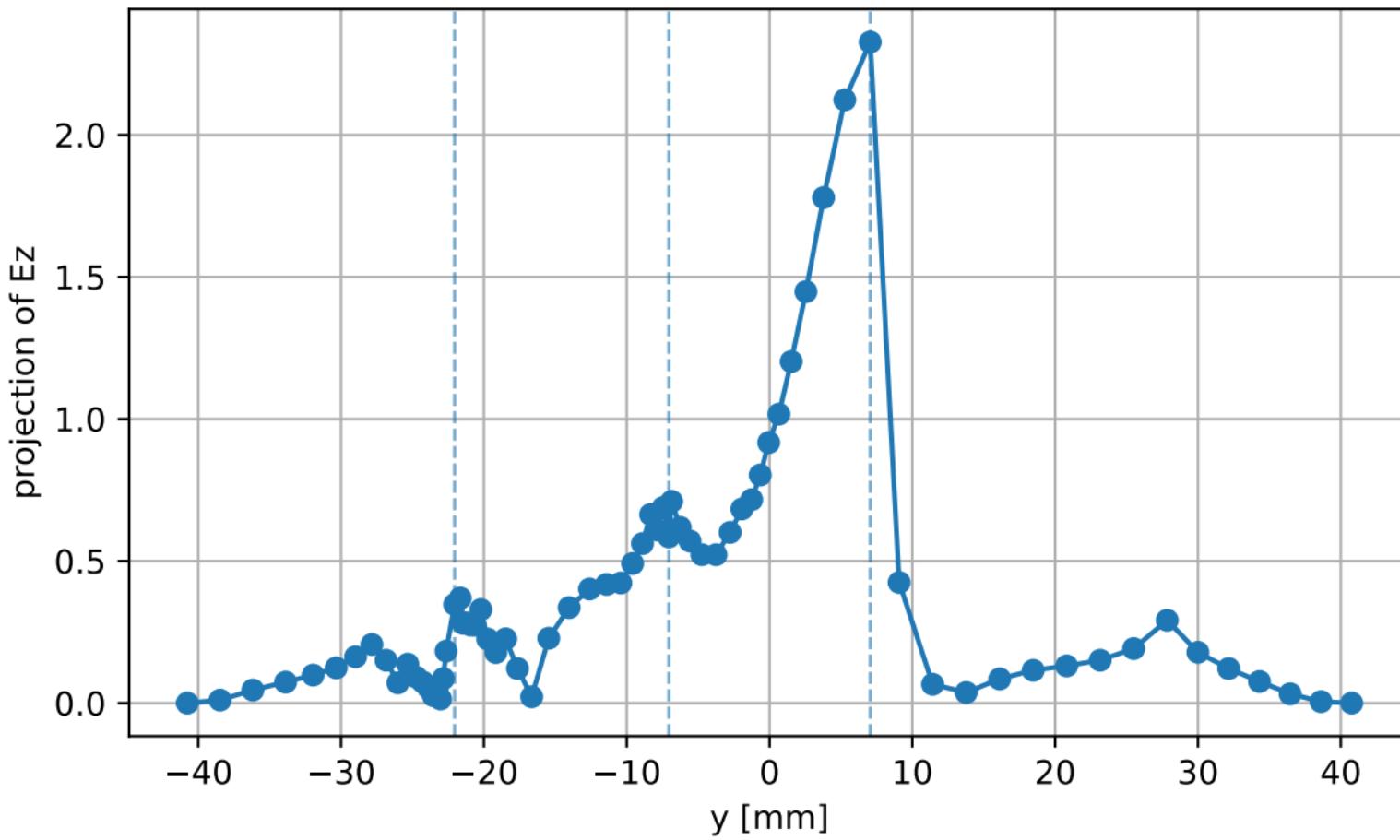
- S11 (Patch W=20.10 mm, L=14.10 mm)
- 5.80 GHz, $S_{11}=0.889+0.281j$, $R=71.02+307.75j$, $G_{norm}=0.04-0.15j$
 - 6.30 GHz, $S_{11}=0.749-0.512j$, $R=27.26-157.64j$, $G_{2norm}=0.05+0.31j$



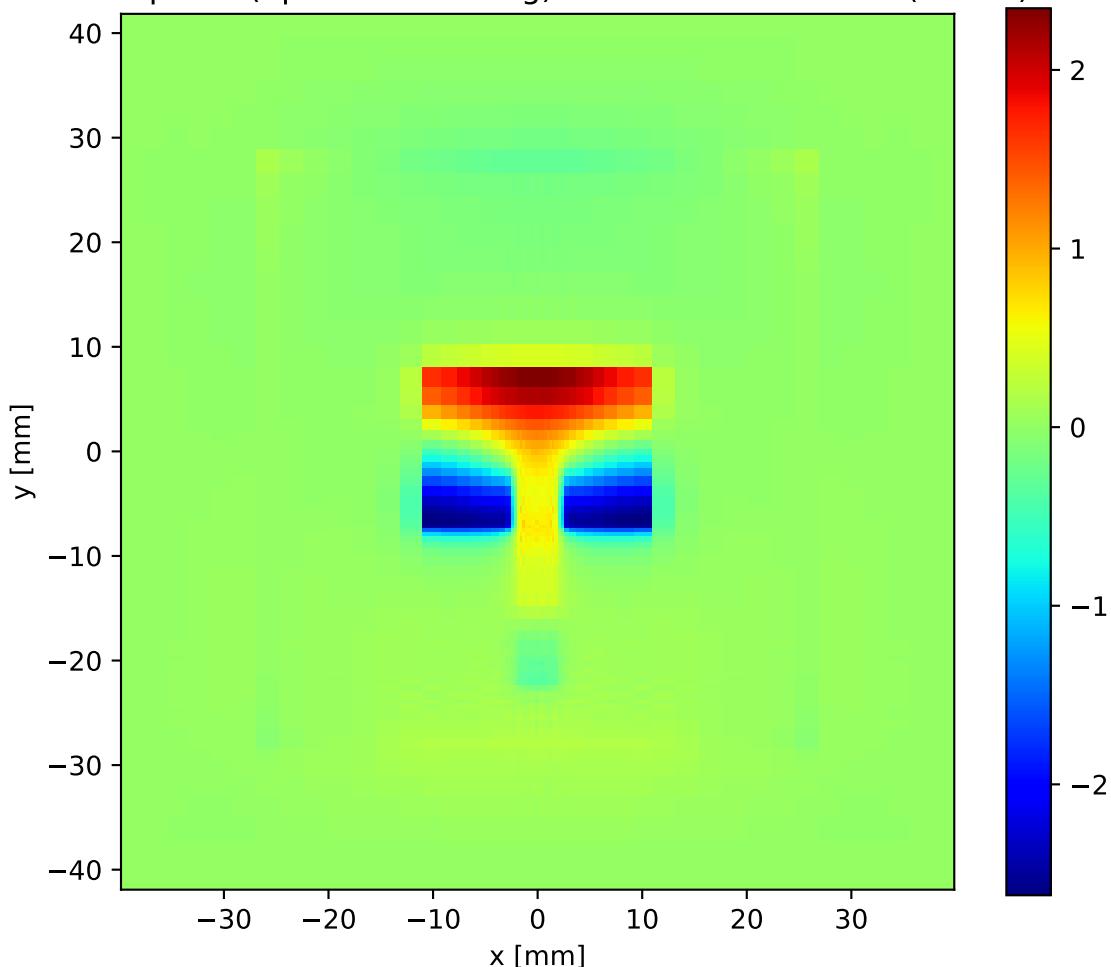
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



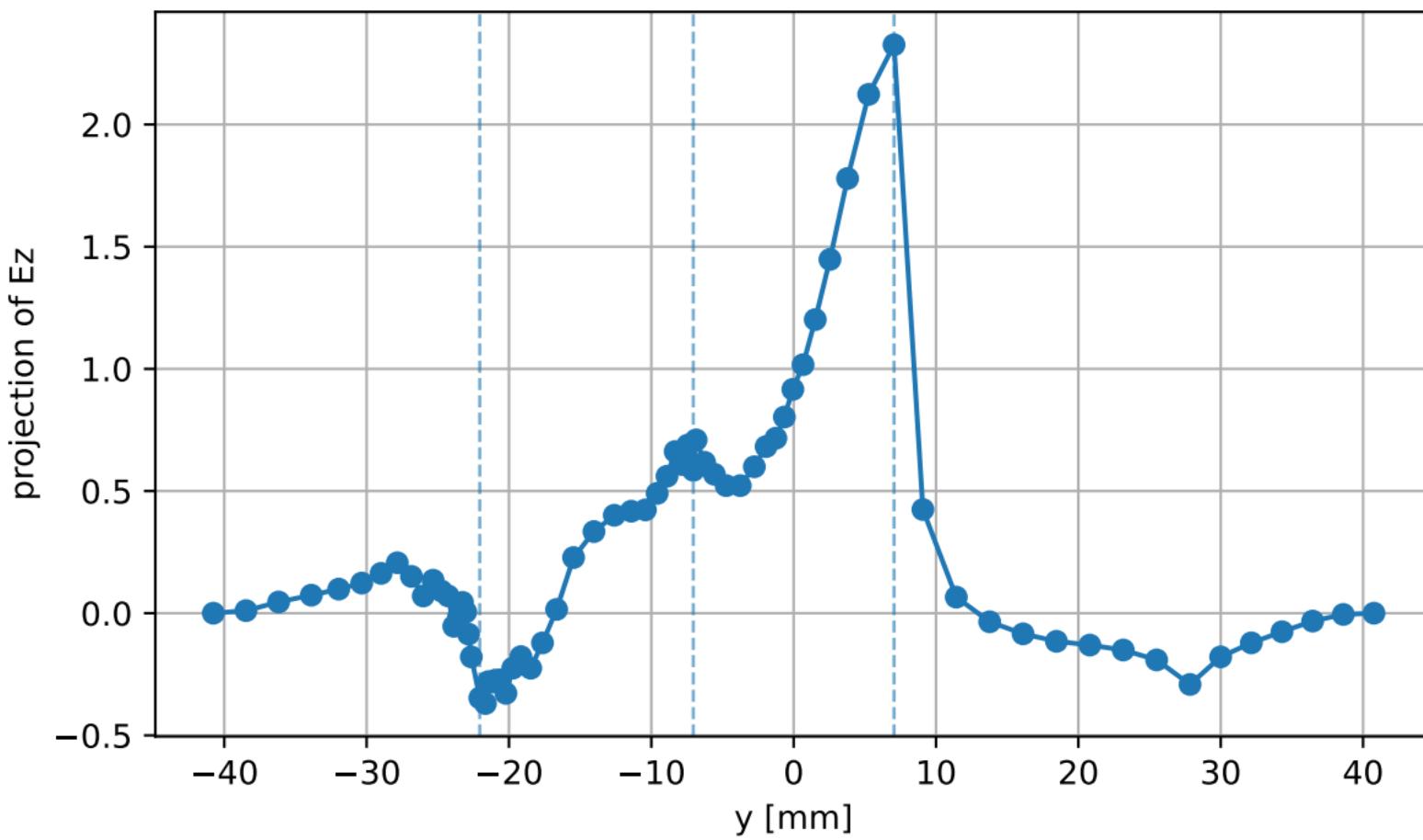
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=30$, $z=15$)



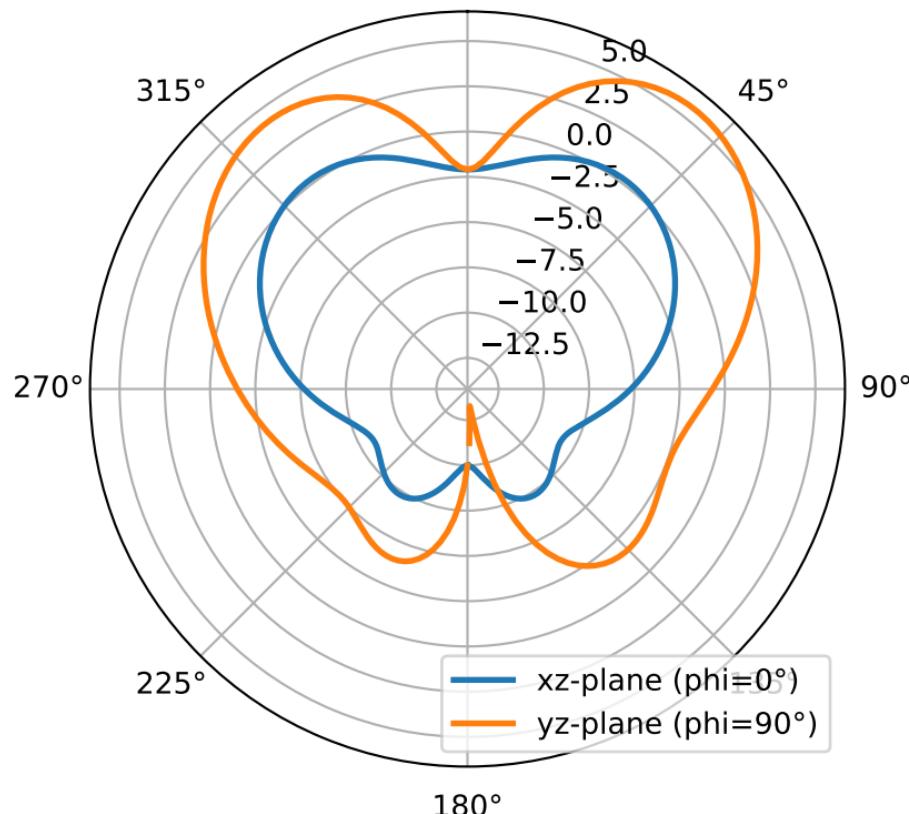
Ez snapshot ($d\phi = -179.62\text{deg}$) slice at $z = 0.76 \text{ mm}$ (idx 15)



Ez snapshot (dphi=-179.62deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=30, z=15)

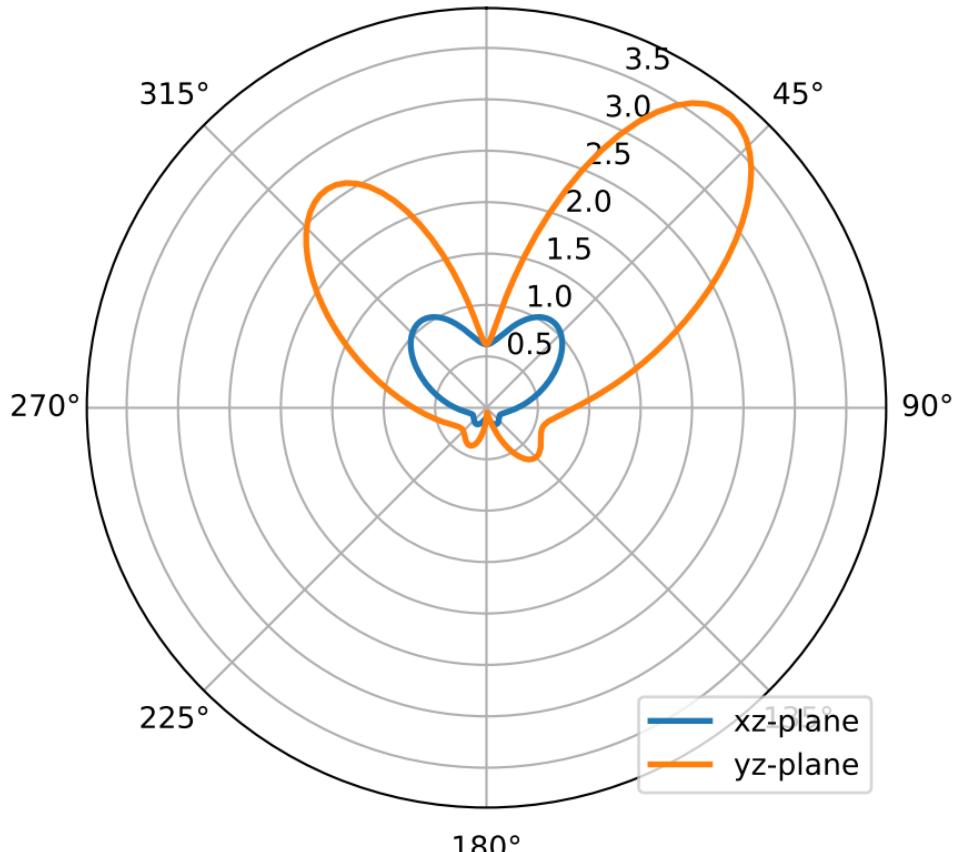


$f = 6.300 \text{ GHz}$ — Directivity (dB)
 $D_{\max} (\text{integrated}) \approx 5.69 \text{ dB}$, nf2ff $D_{\max} = 5.69 \text{ dB}$

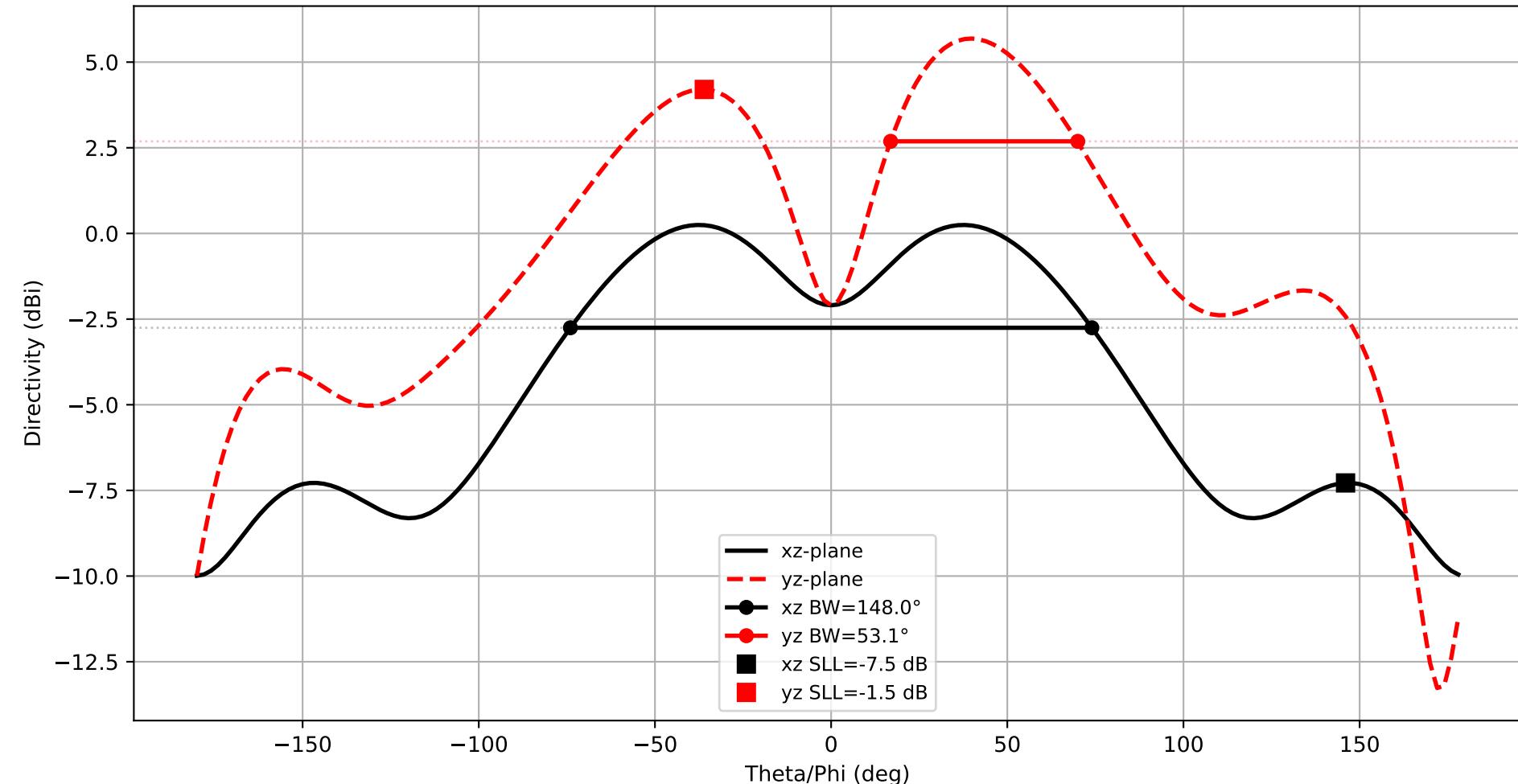


Frequency: 6.300 GHz — Directivity (linear). Dmax: 3.705

0°



Frequency: 6.300 GHz
xz-plane: HPBW=148.0°
yz-plane: HPBW=53.1°



3D Directivity Pattern
 $f = 6.300 \text{ GHz}$, $D_{\max} = 5.69 \text{ dBi}$

