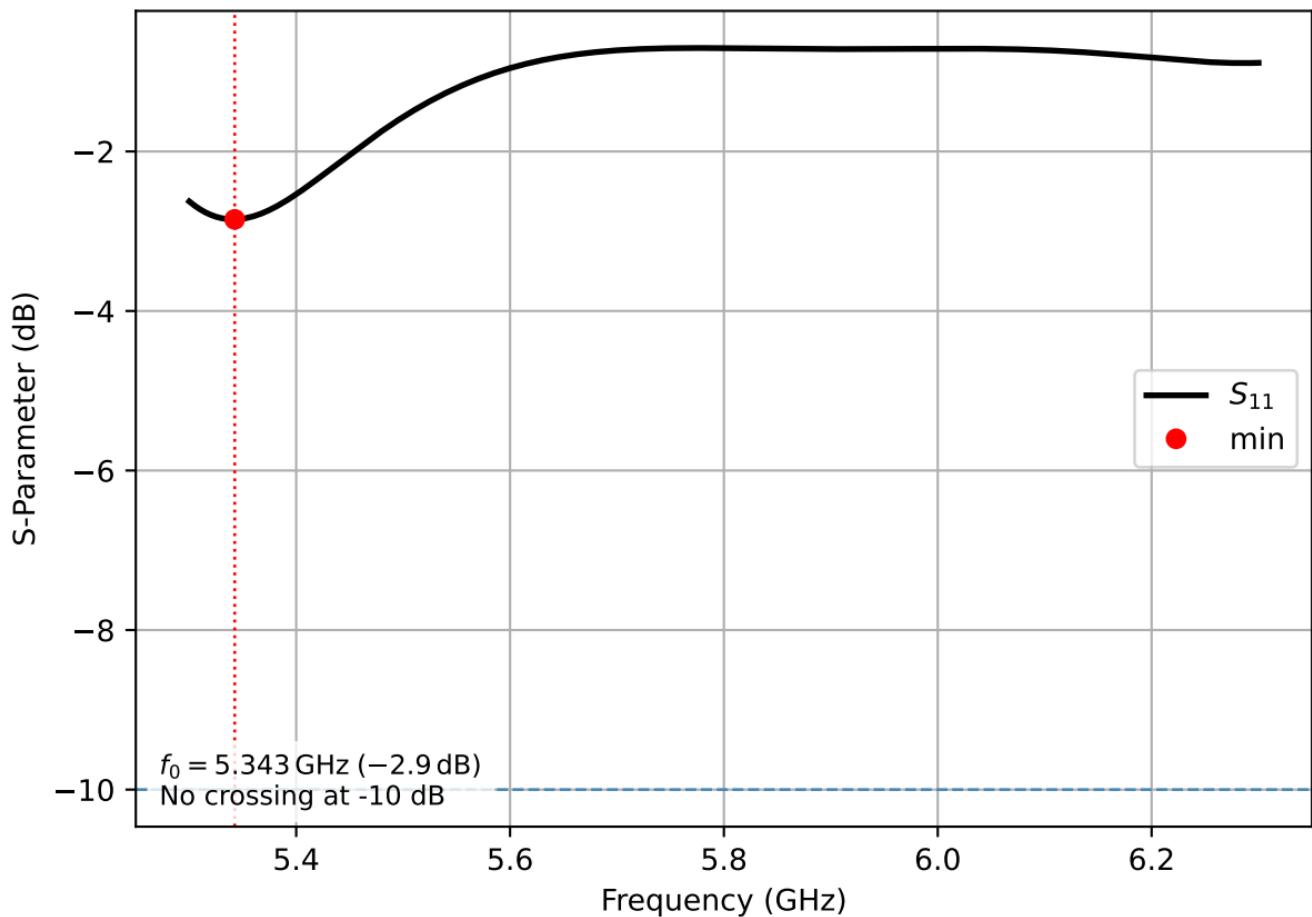
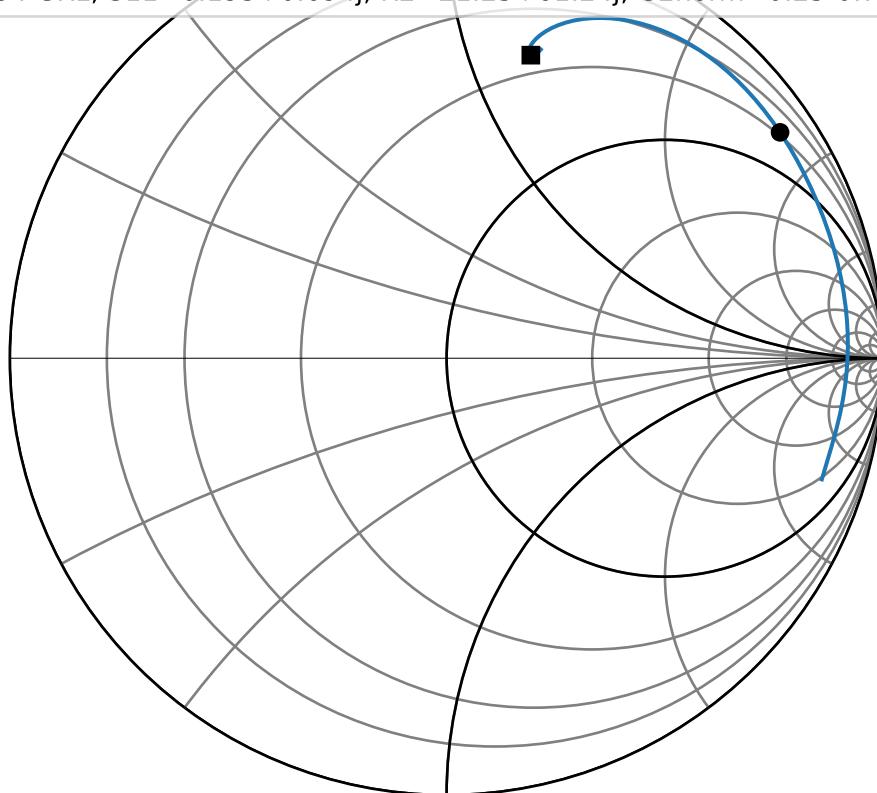


Reflection Coefficient S_{11}

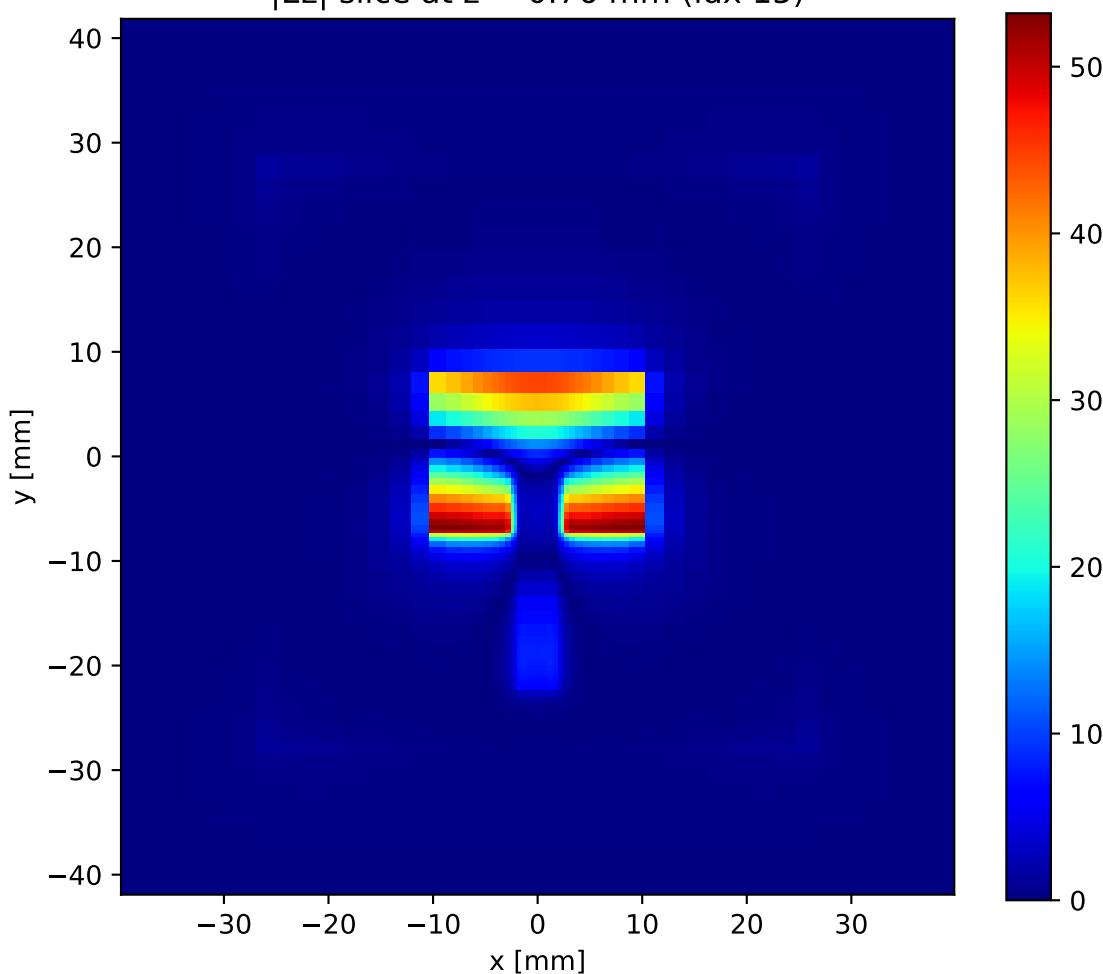


Smith Chart

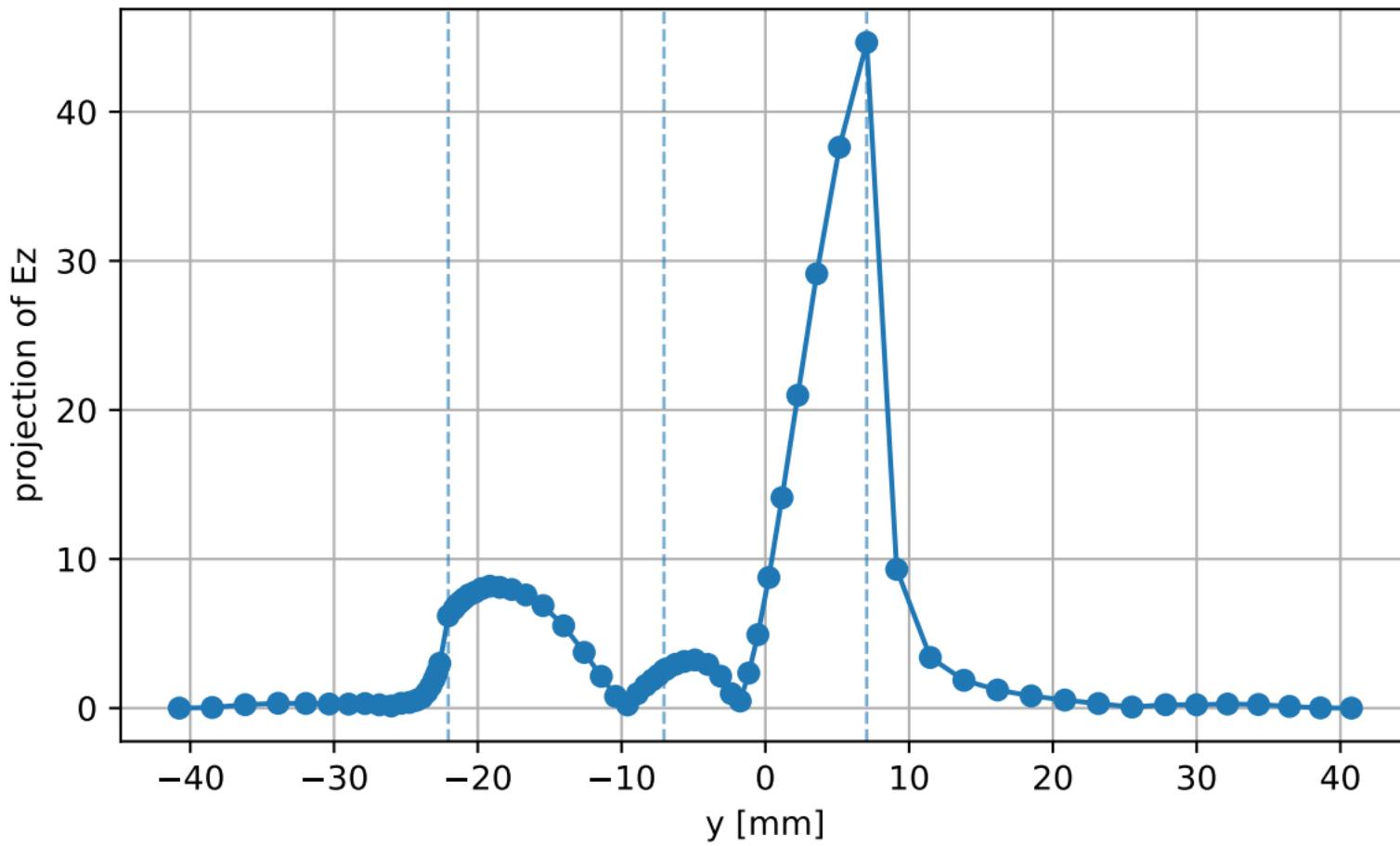
- S11 (Patch W=19.10 mm, L=14.10 mm)
- 5.80 GHz, $S_{11}=0.763+0.517j$, $R=23.15+159.91j$, $G_{norm}=0.04-0.31j$
 - 5.34 GHz, $S_{11}=0.193+0.694j$, $R=21.25+61.24j$, $G2_{norm}=0.25-0.73j$



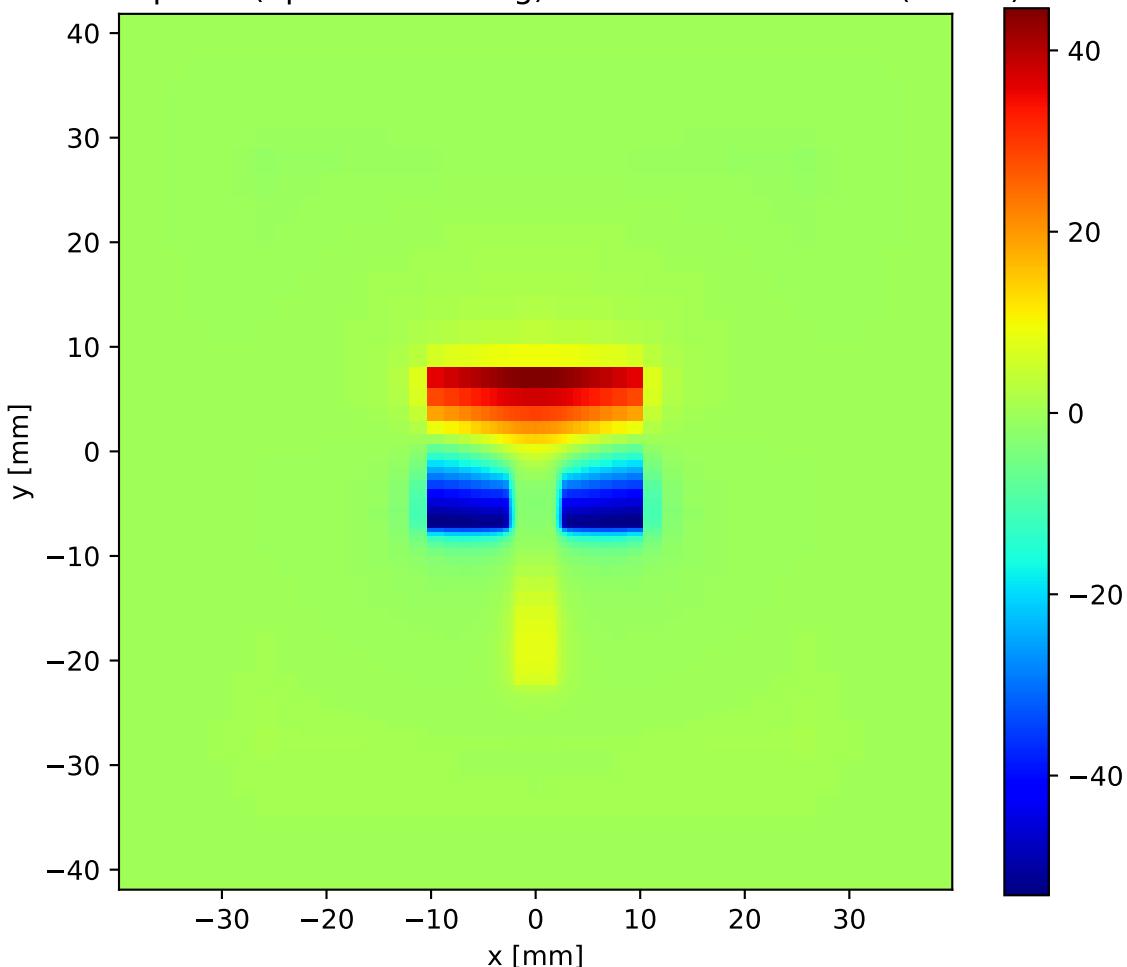
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



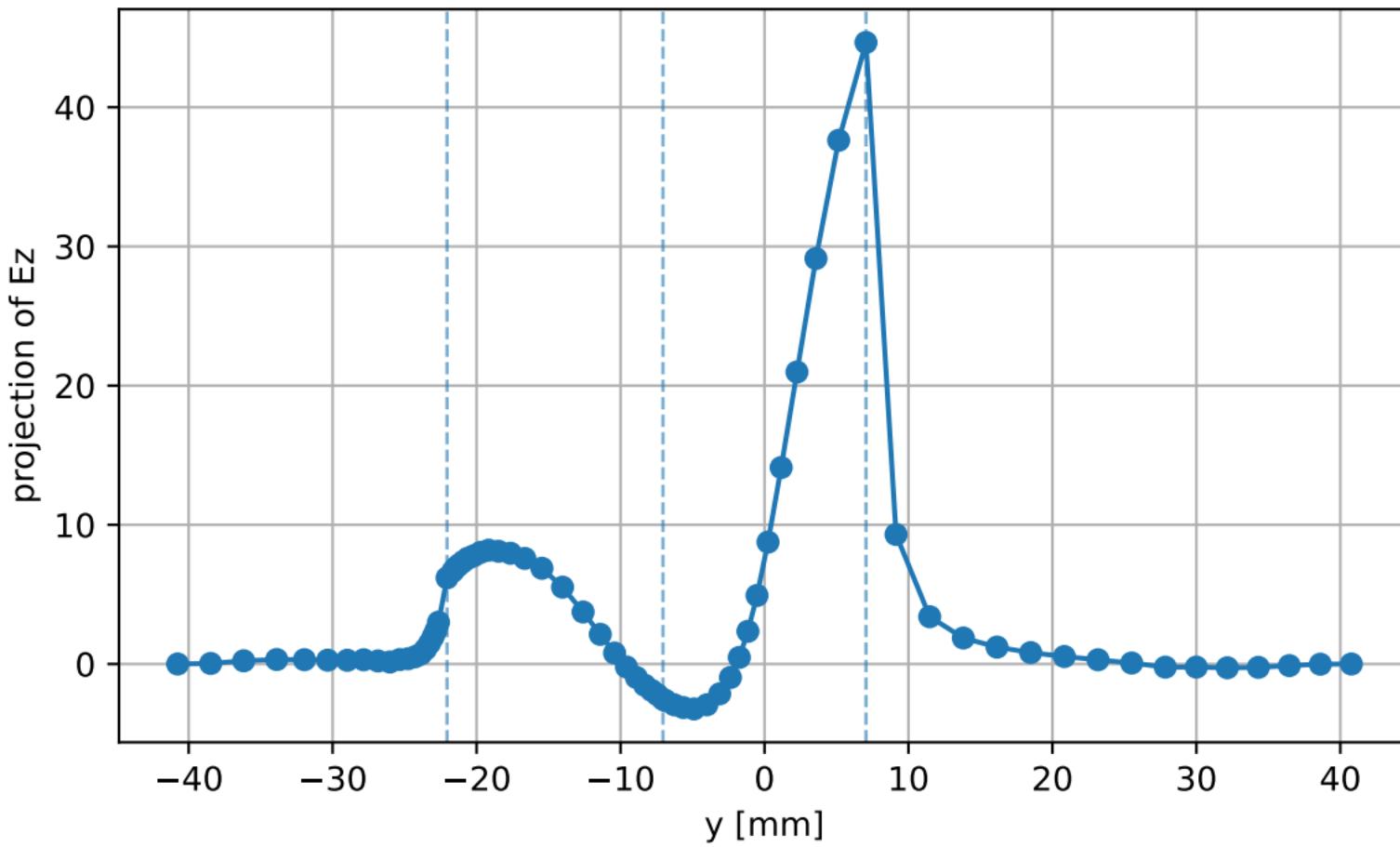
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=31$, $z=15$)



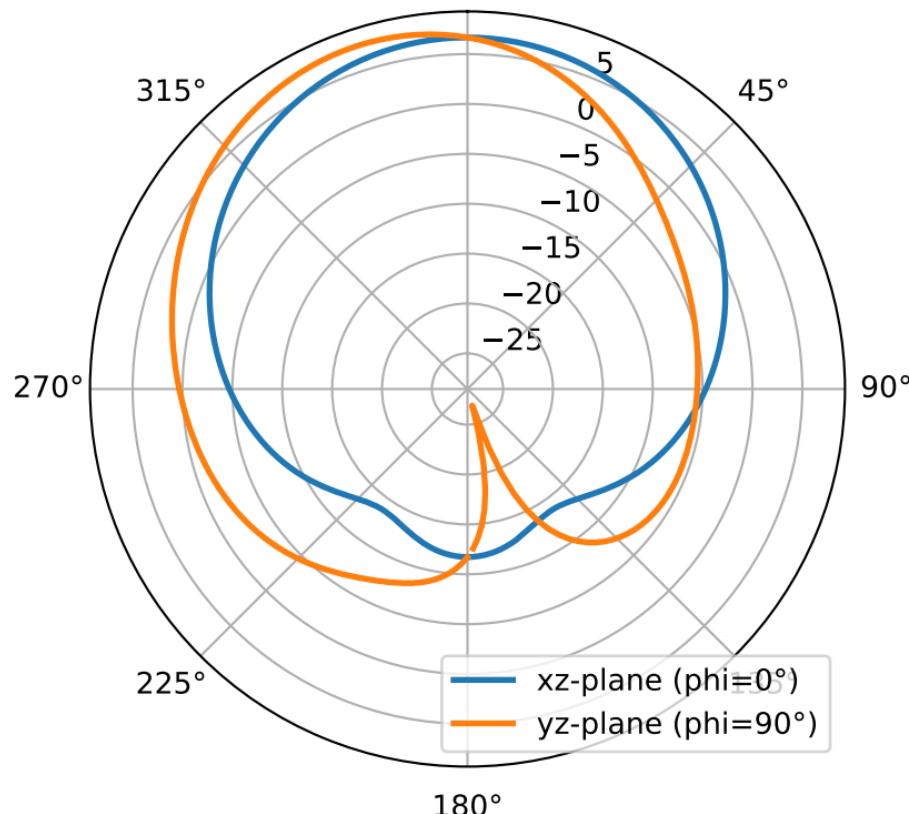
Ez snapshot (dphi=179.68deg) slice at z = 0.76 mm (idx 15)



Ez snapshot (dphi=179.68deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=31, z=15)

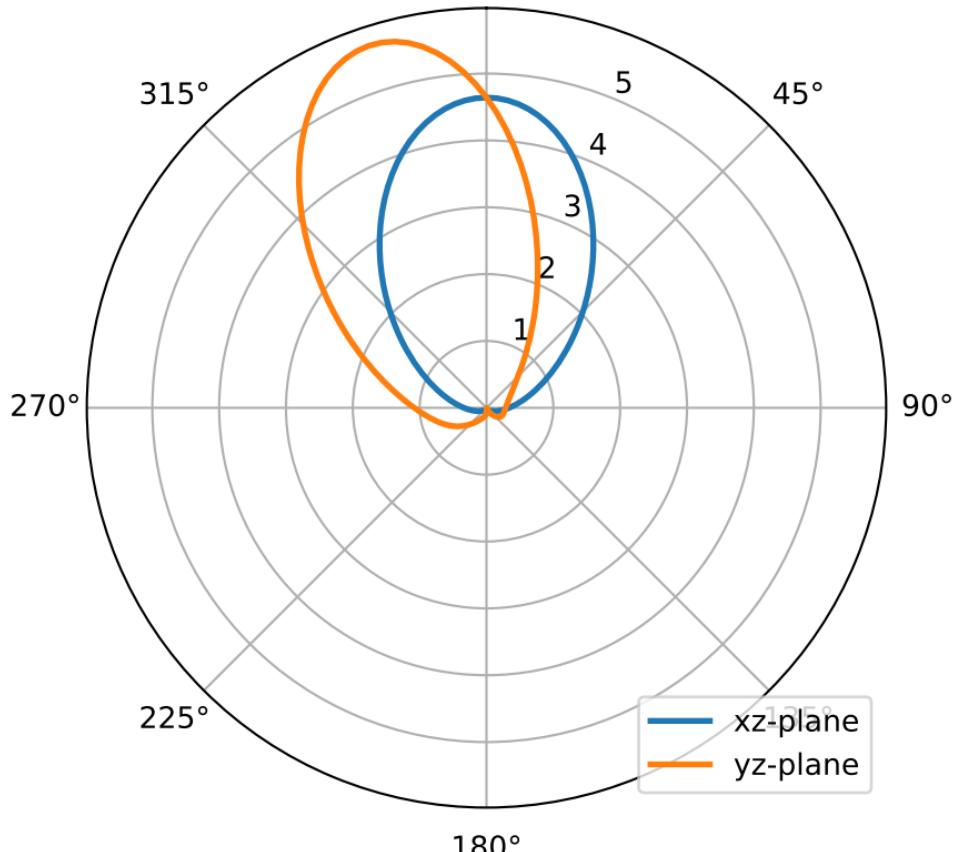


$f = 5.343$ GHz — Directivity (dB)
 D_{\max} (integrated) ≈ 7.56 dB, nf2ff $D_{\max} = 7.56$ dB

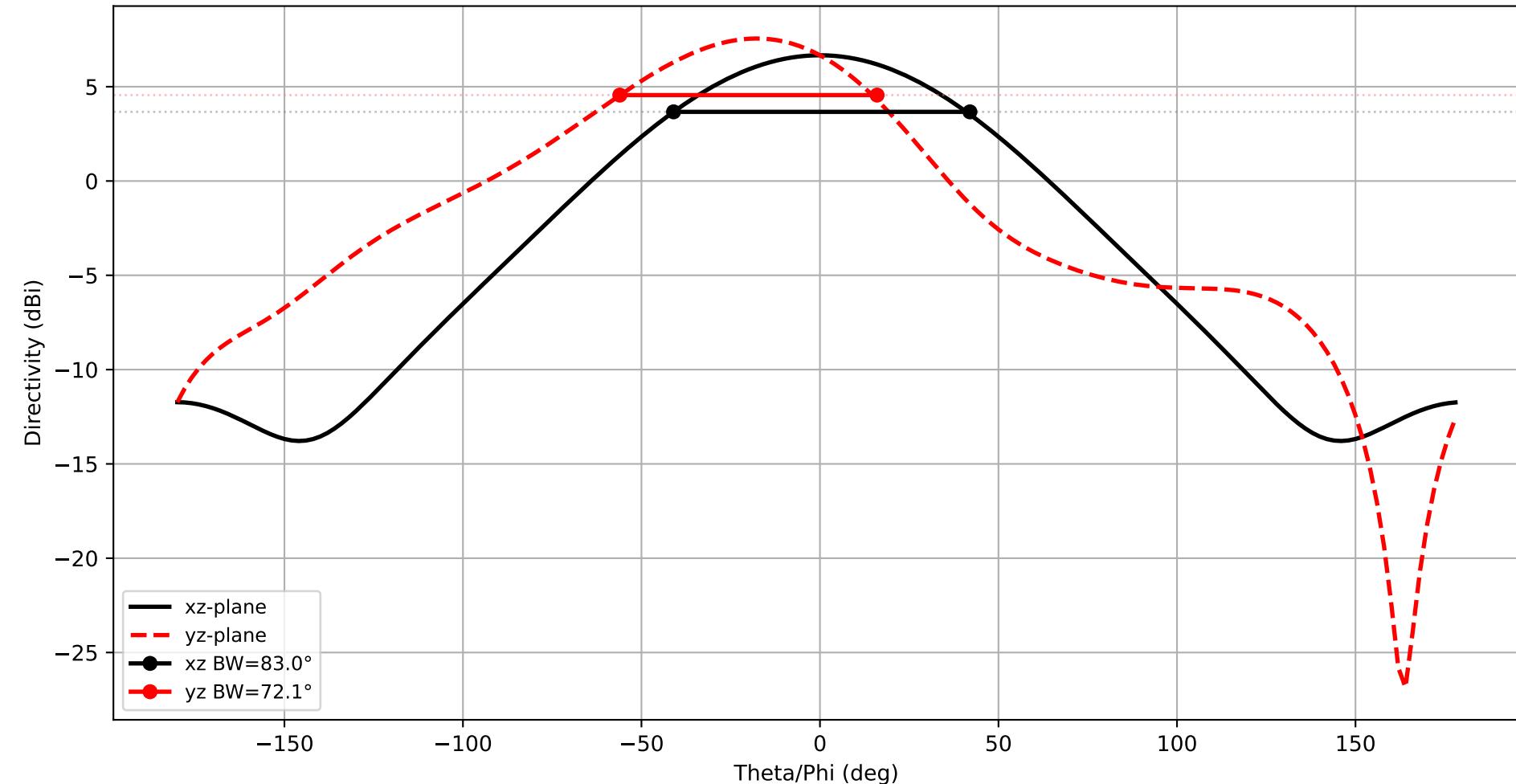


Frequency: 5.343 GHz — Directivity (linear). Dmax: 5.696

0°



Frequency: 5.343 GHz
xz-plane: HPBW=83.0°
yz-plane: HPBW=72.1°



3D Directivity Pattern
 $f = 5.343 \text{ GHz}$, $D_{\max} = 7.54 \text{ dBi}$

