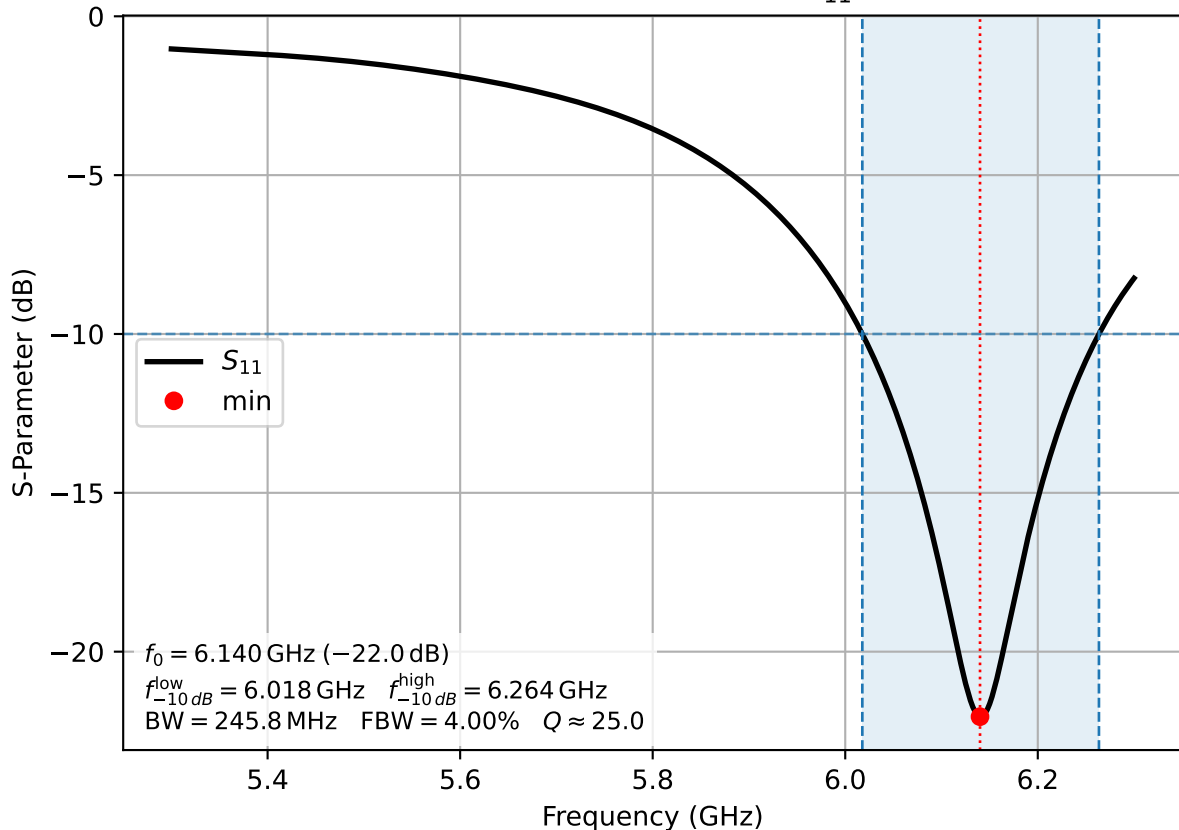
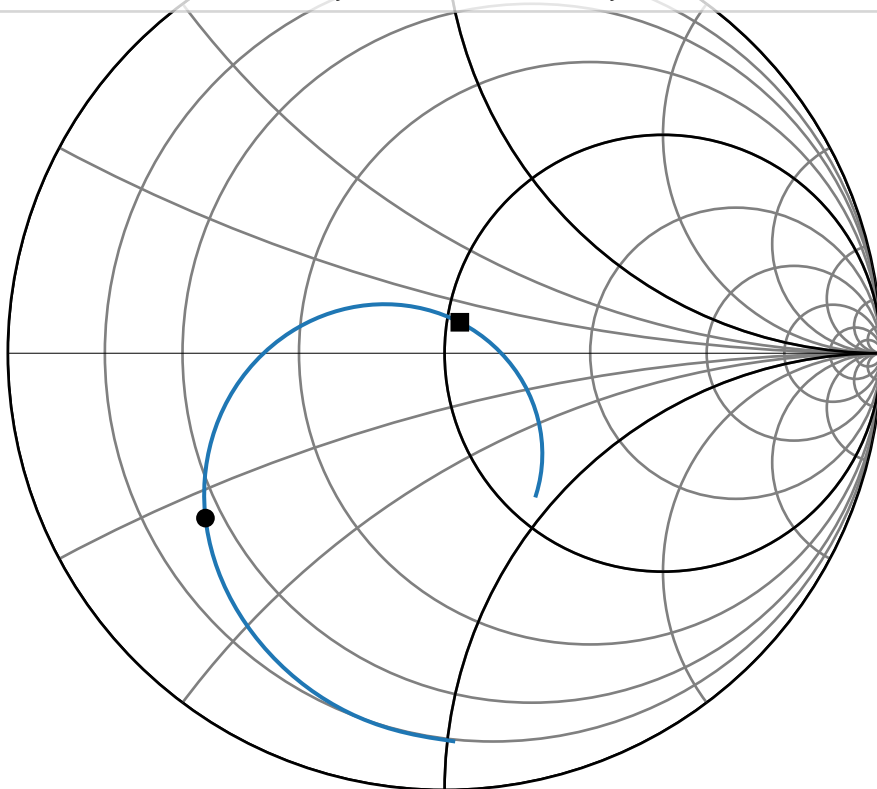


Reflection Coefficient S_{11}

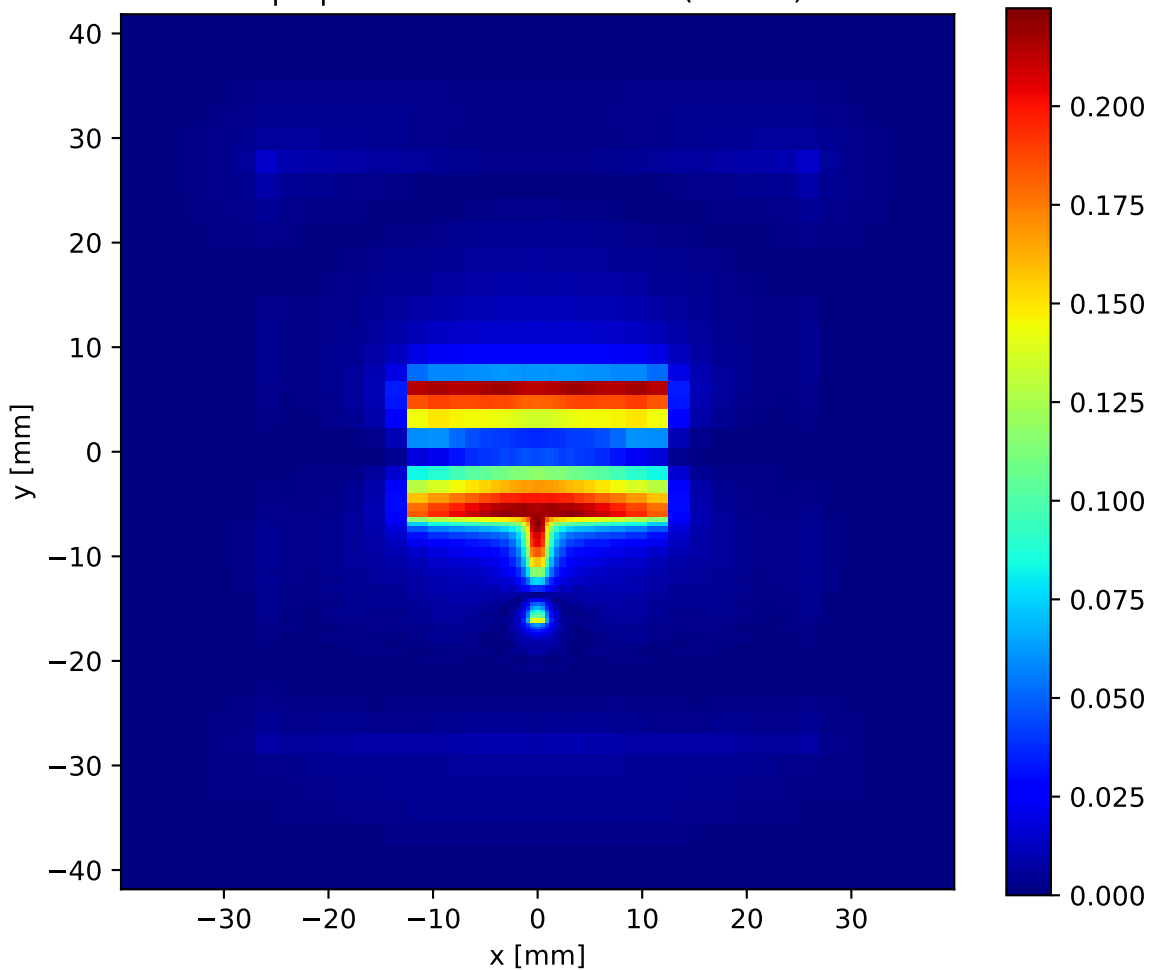


Smith Chart

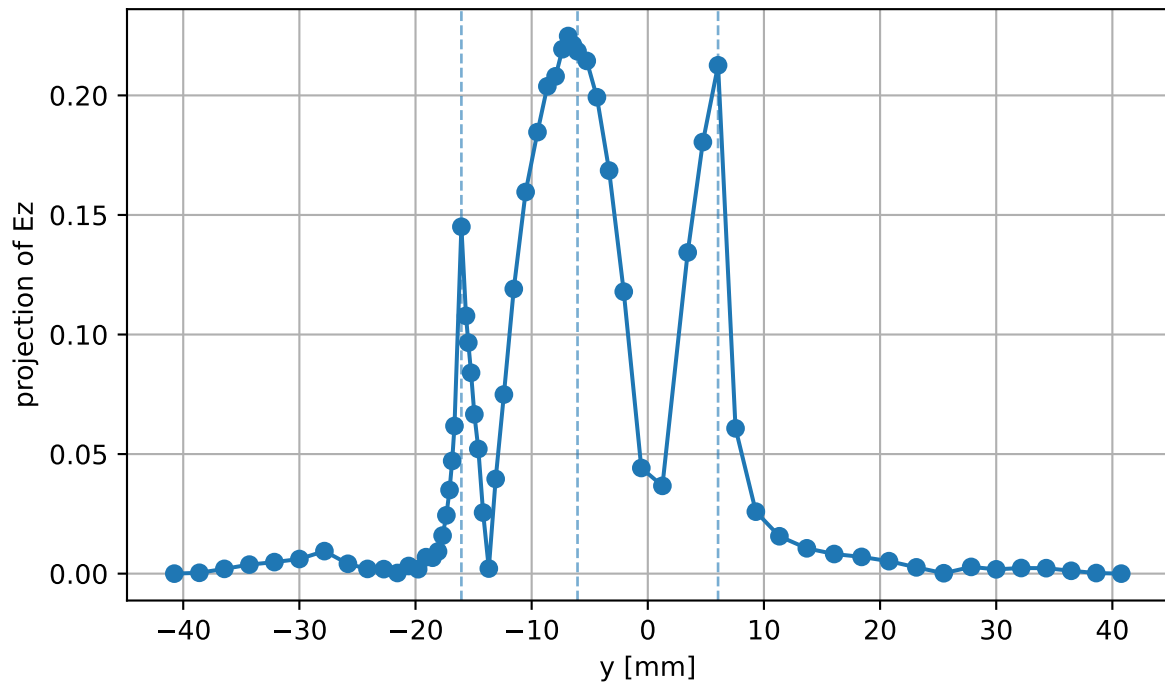
- S11 (Patch W=23.00 mm, L=12.10 mm)
- 5.80 GHz, $S_{11} = -0.547 - 0.377j$, $R = 21.98 - 29.75j$, $G_{\text{norm}} = 1.61 + 2.17j$
- 6.14 GHz, $S_{11} = 0.035 + 0.071j$, $R_2 = 106.11 + 15.14j$, $G_{2\text{norm}} = 0.92 - 0.13j$



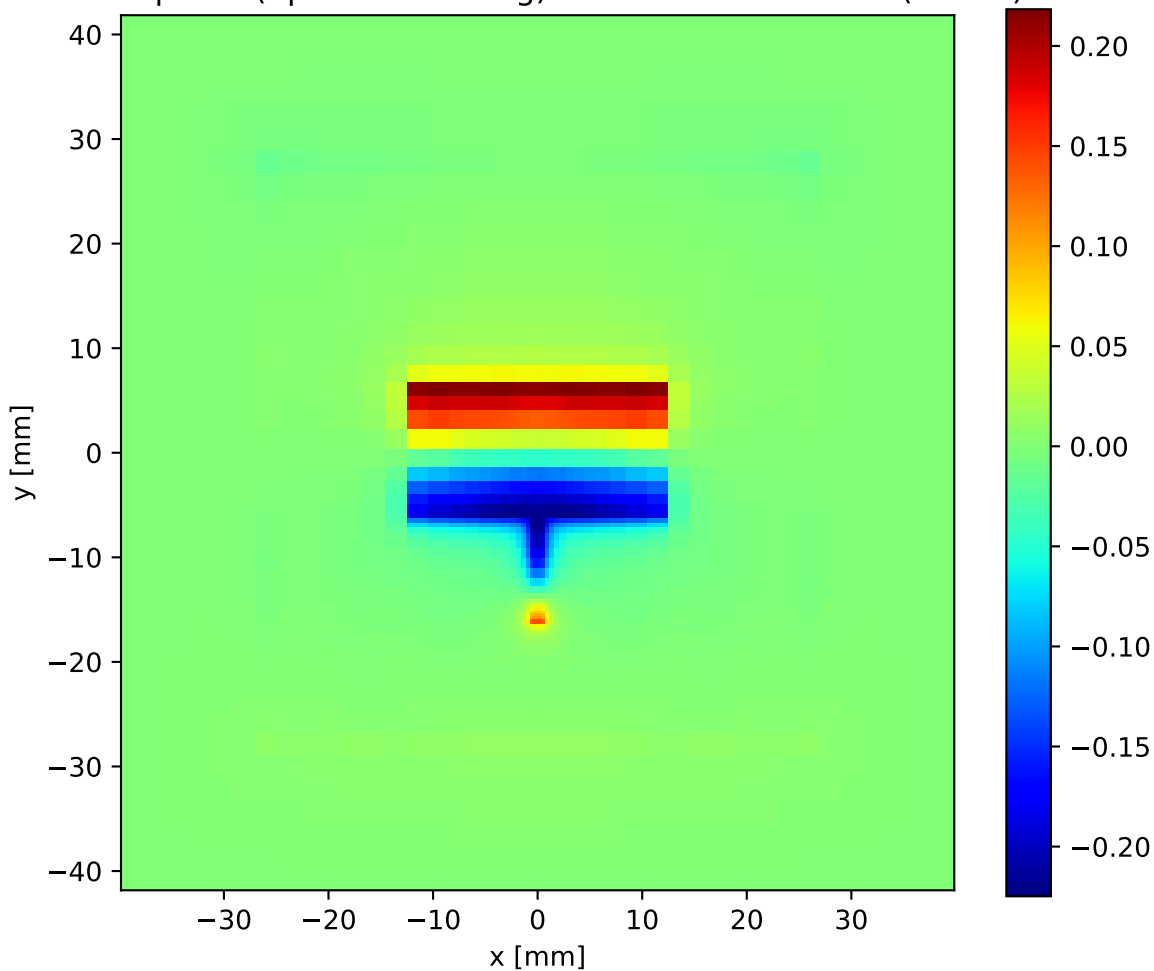
$|E_z|$ slice at $z = 0.76$ mm (idx 15)



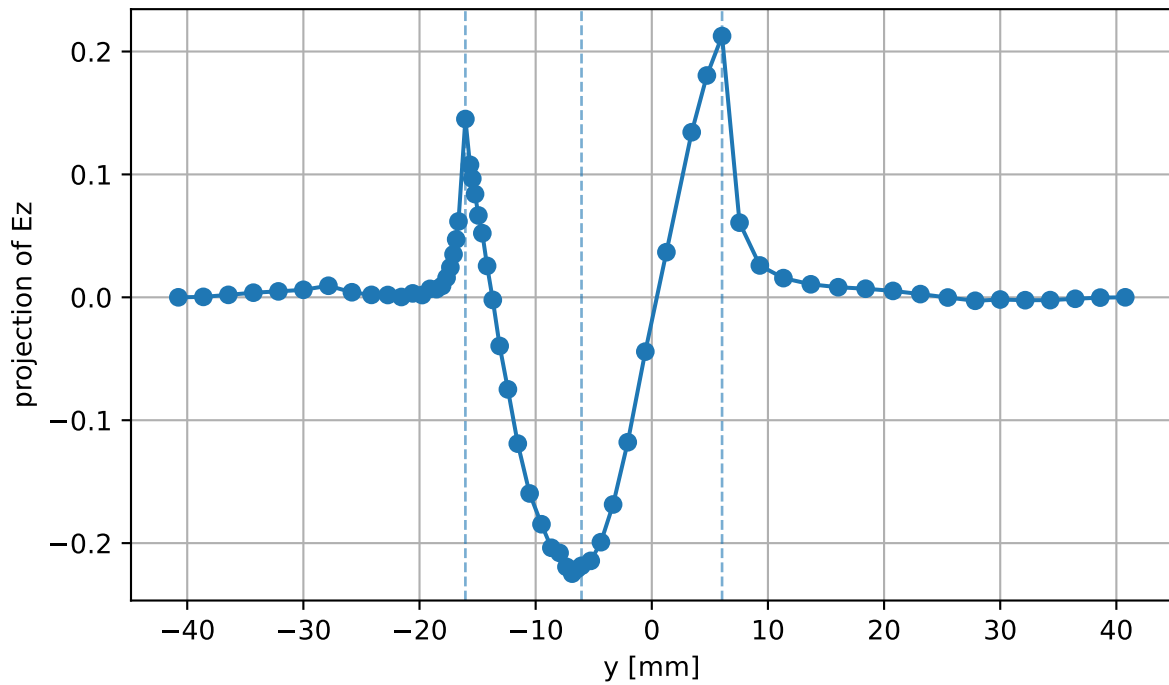
$|E_z|$ line cut along Y at $x=0.00$ mm, $z=0.76$ mm
(idx $x=27$, $z=15$)



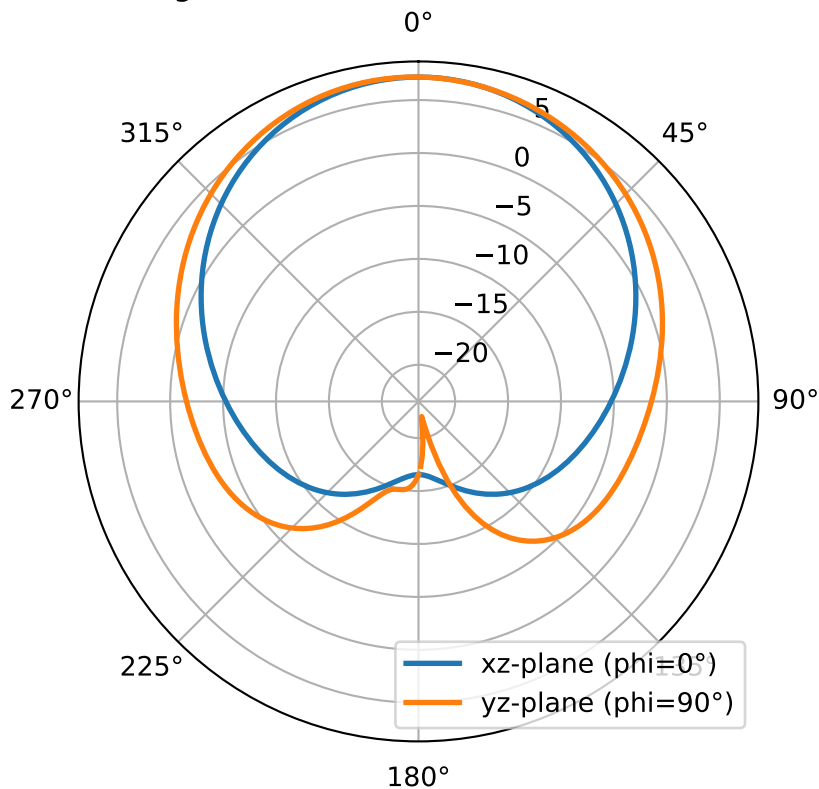
Ez snapshot (dphi=180.00deg) slice at z = 0.76 mm (idx 15)



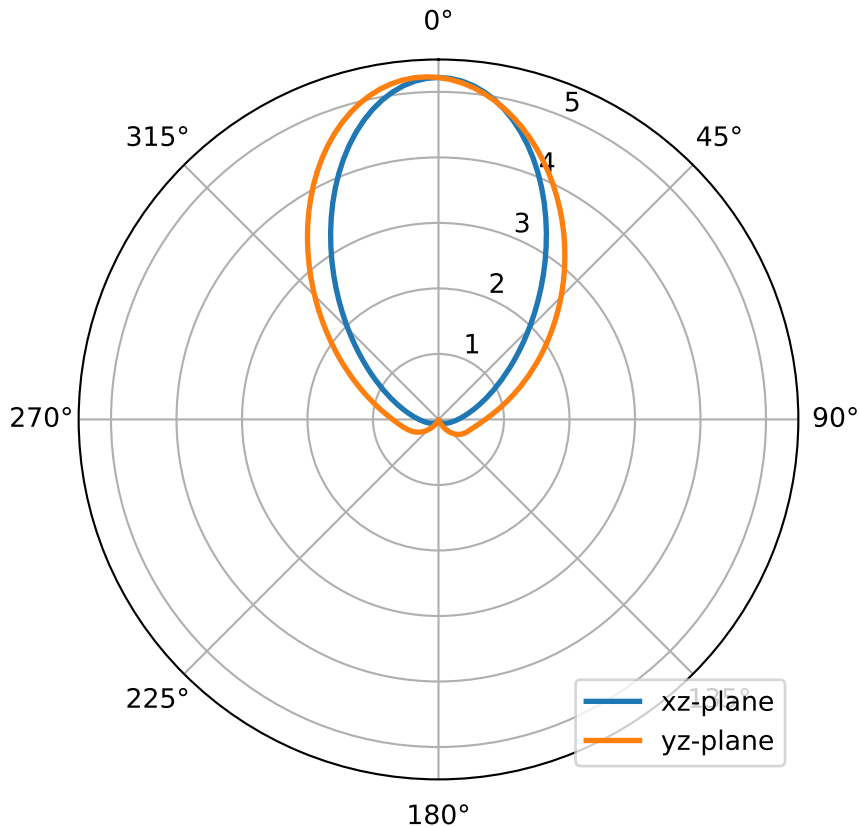
Ez snapshot (dphi=180.00deg) line cut along Y at x=0.00 mm, z=0.76 mm
(idx x=27, z=15)



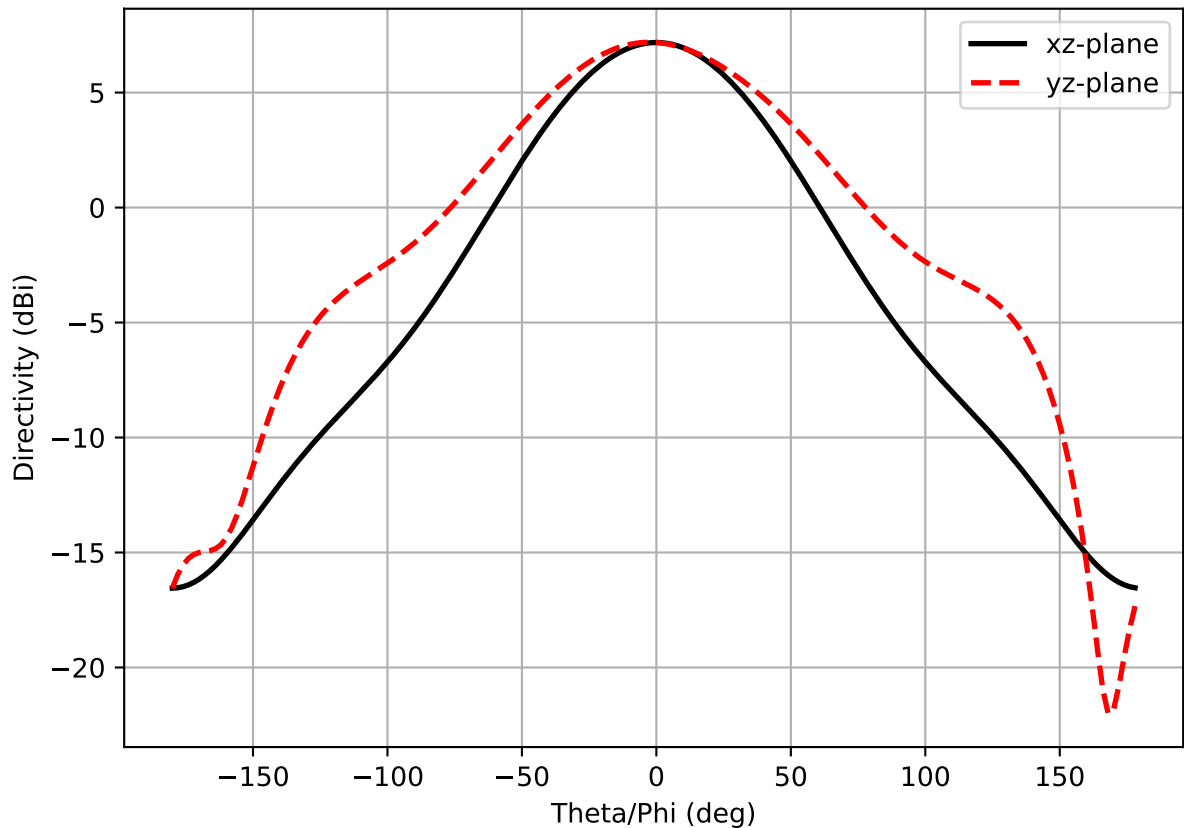
$f = 6.140 \text{ GHz}$ — Directivity (dB)
 $D_{\text{max}} (\text{integrated}) \approx 7.19 \text{ dB}$, $\text{nf2ff } D_{\text{max}} = 7.19 \text{ dB}$



Frequency: 6.140 GHz — Directivity (linear). Dmax: 5.233



Frequency: 6.140 GHz



3D Directivity Pattern
 $f = 6.140 \text{ GHz}$, $D_{\text{max}} = 7.18 \text{ dBi}$

