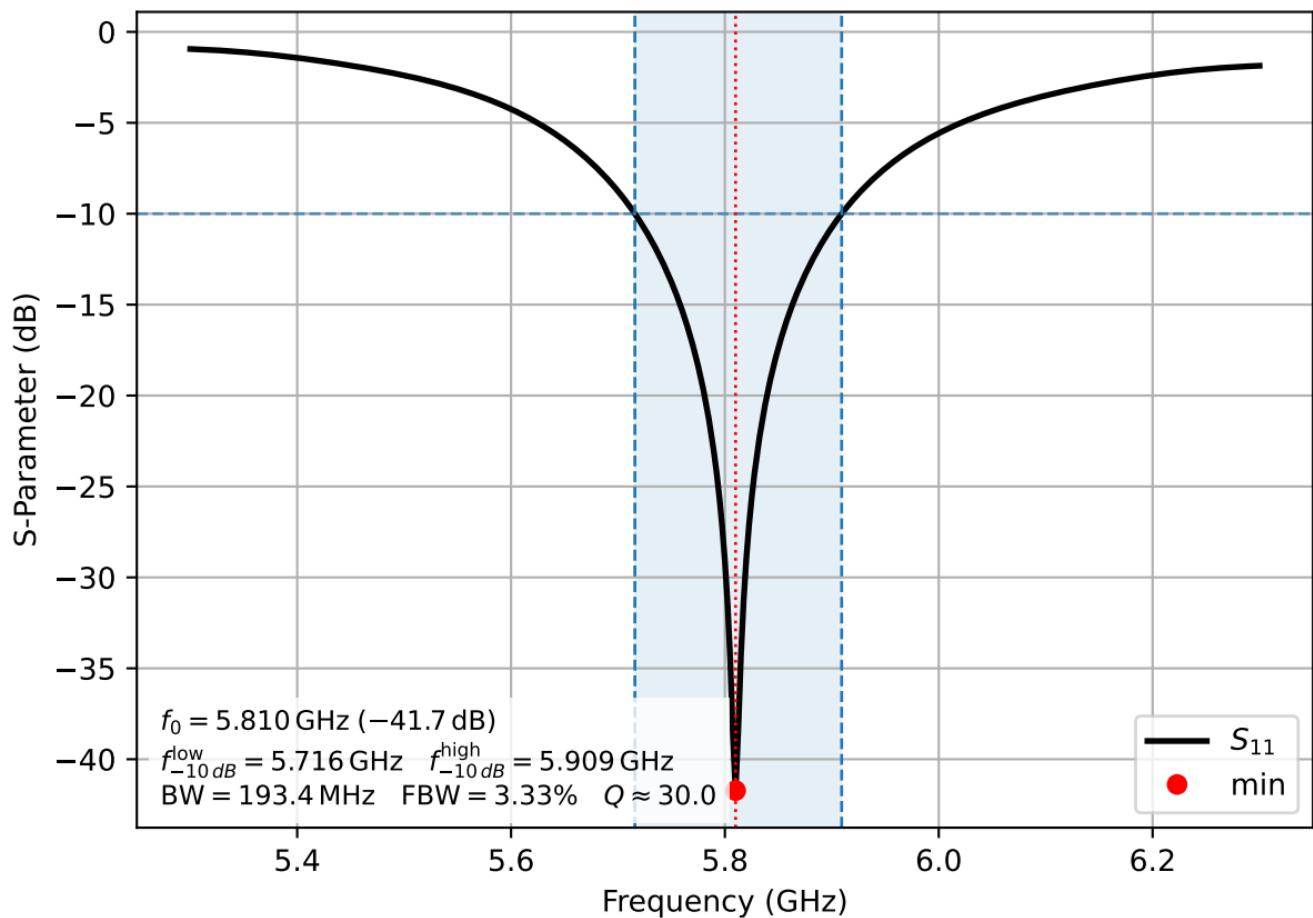
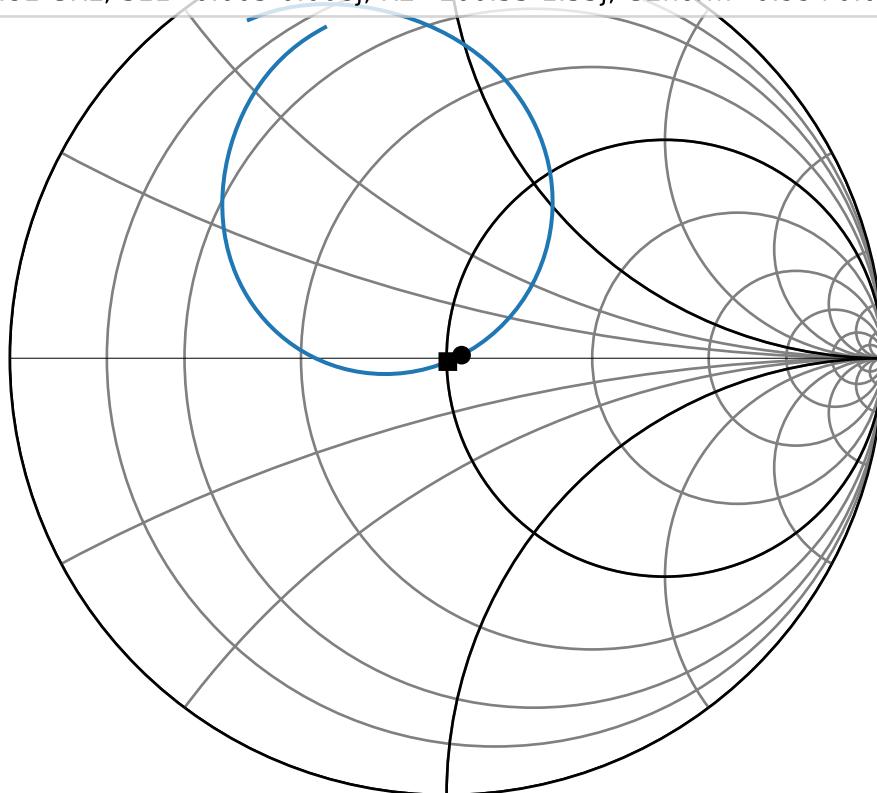


# Reflection Coefficient $S_{11}$

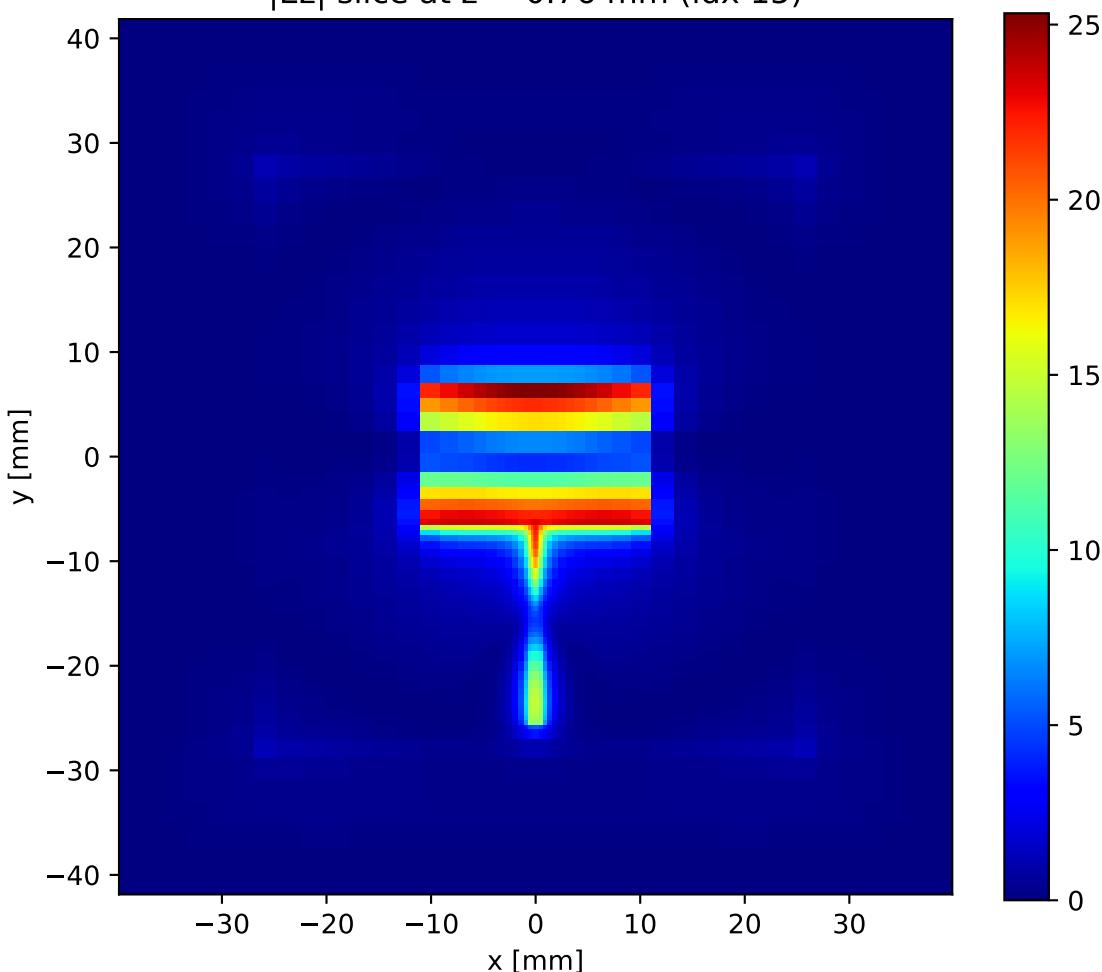


## Smith Chart

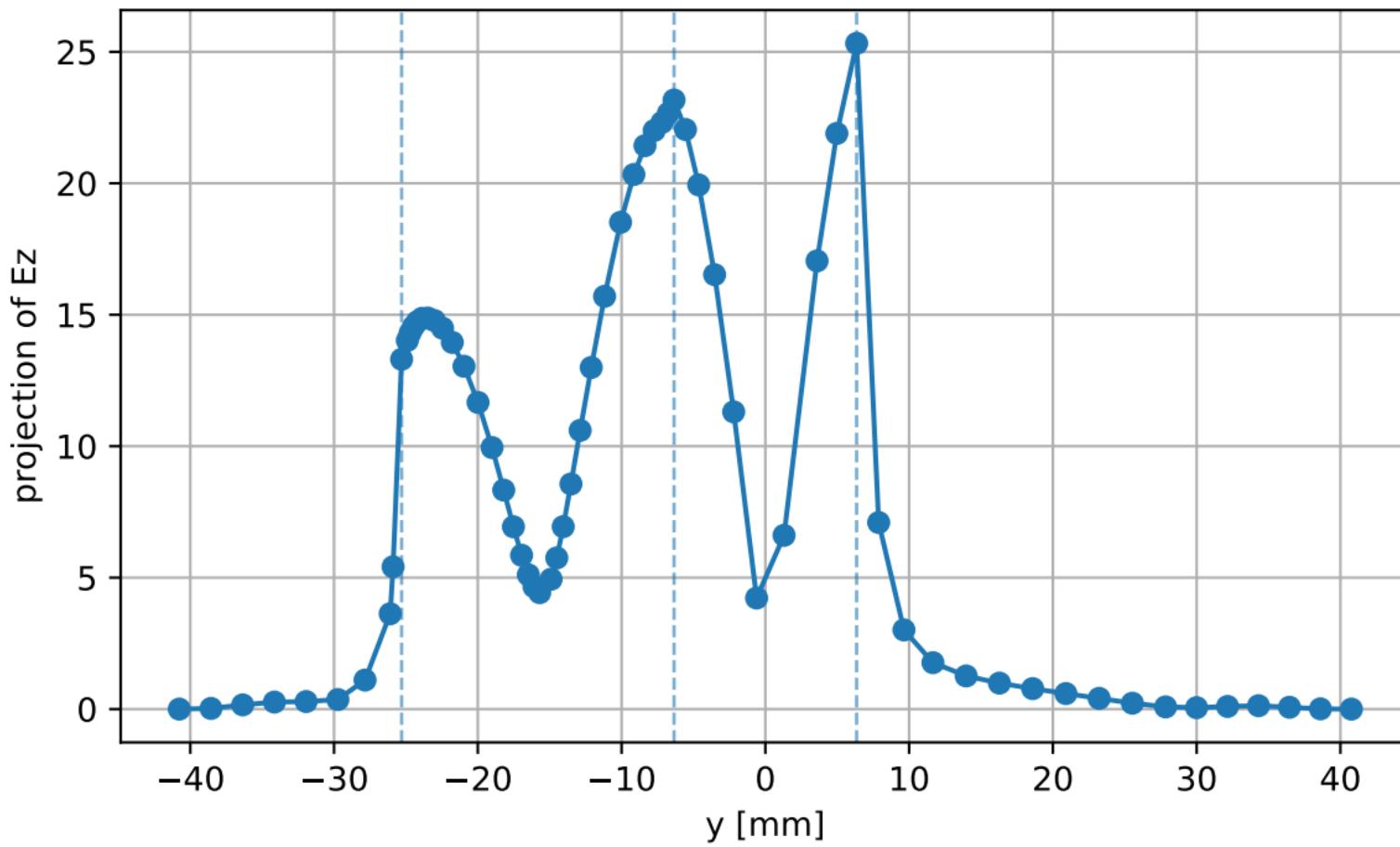
- S11 (Patch W=20.10 mm, L=12.70 mm)
- 5.80 GHz,  $S_{11}=0.034+0.007j$ ,  $R=107.10+1.51j$ ,  $G_{norm}=0.93-0.01j$
- 5.81 GHz,  $S_{11}=0.003-0.008j$ ,  $R_2=100.55-1.55j$ ,  $G_{2norm}=0.99+0.02j$



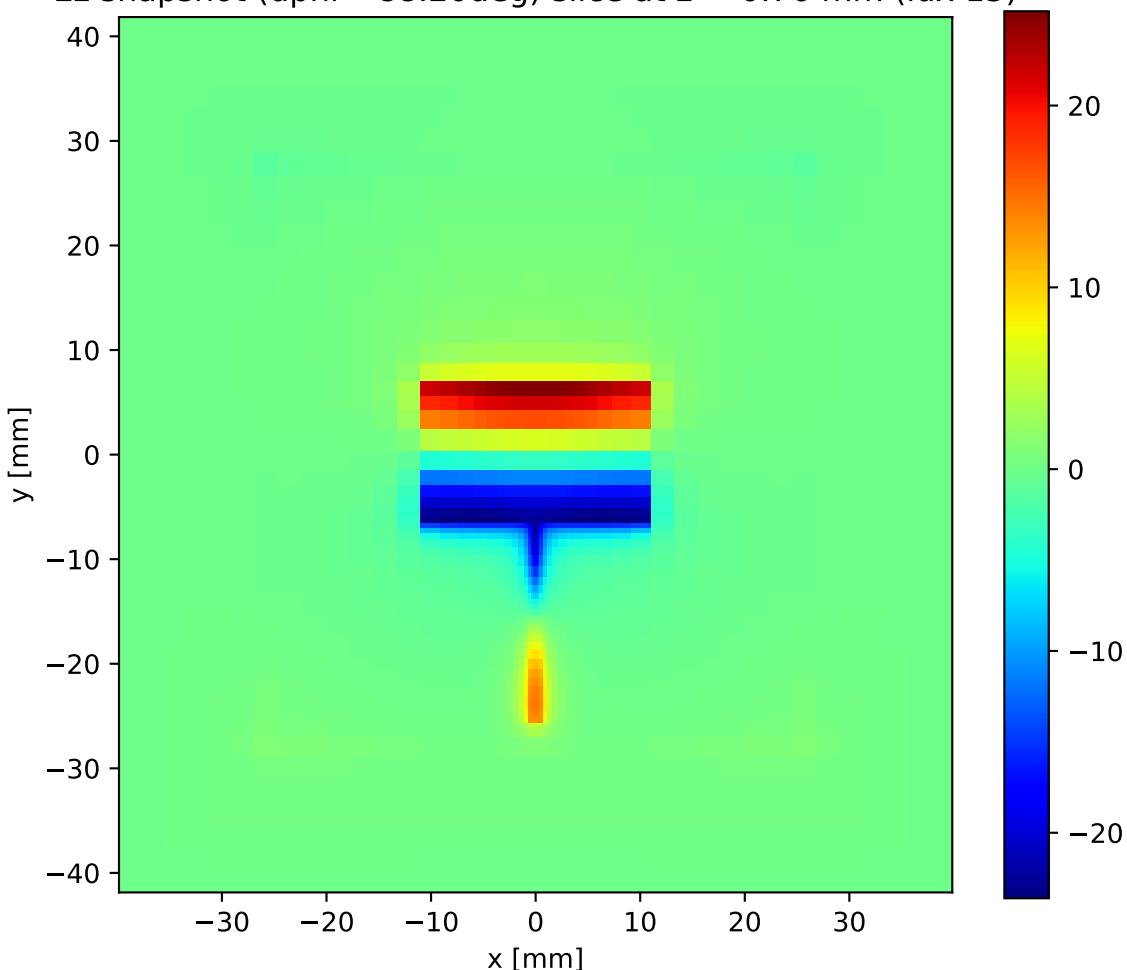
$|E_z|$  slice at  $z = 0.76$  mm (idx 15)



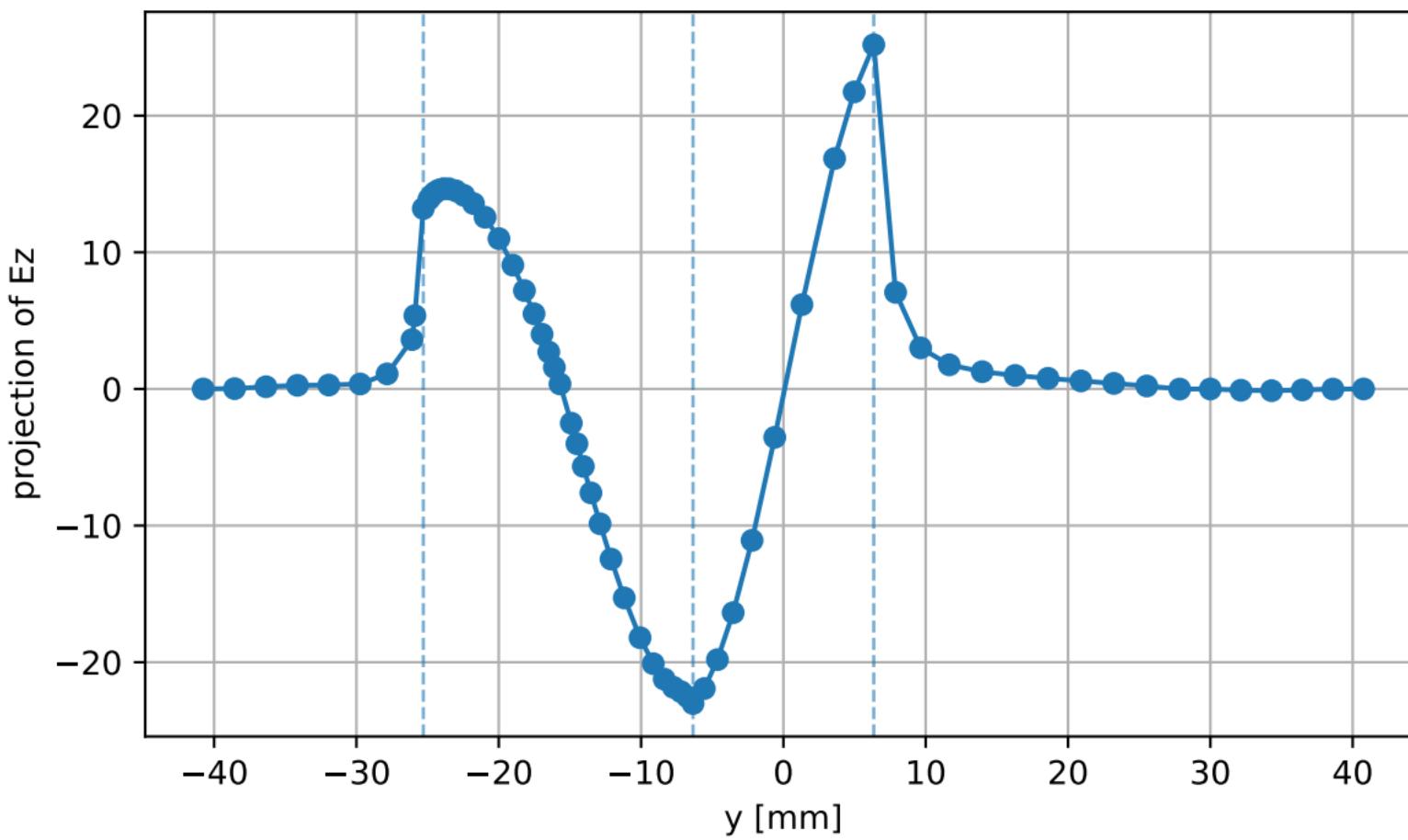
$|E_z|$  line cut along Y at  $x=0.00$  mm,  $z=0.76$  mm  
(idx  $x=27$ ,  $z=15$ )



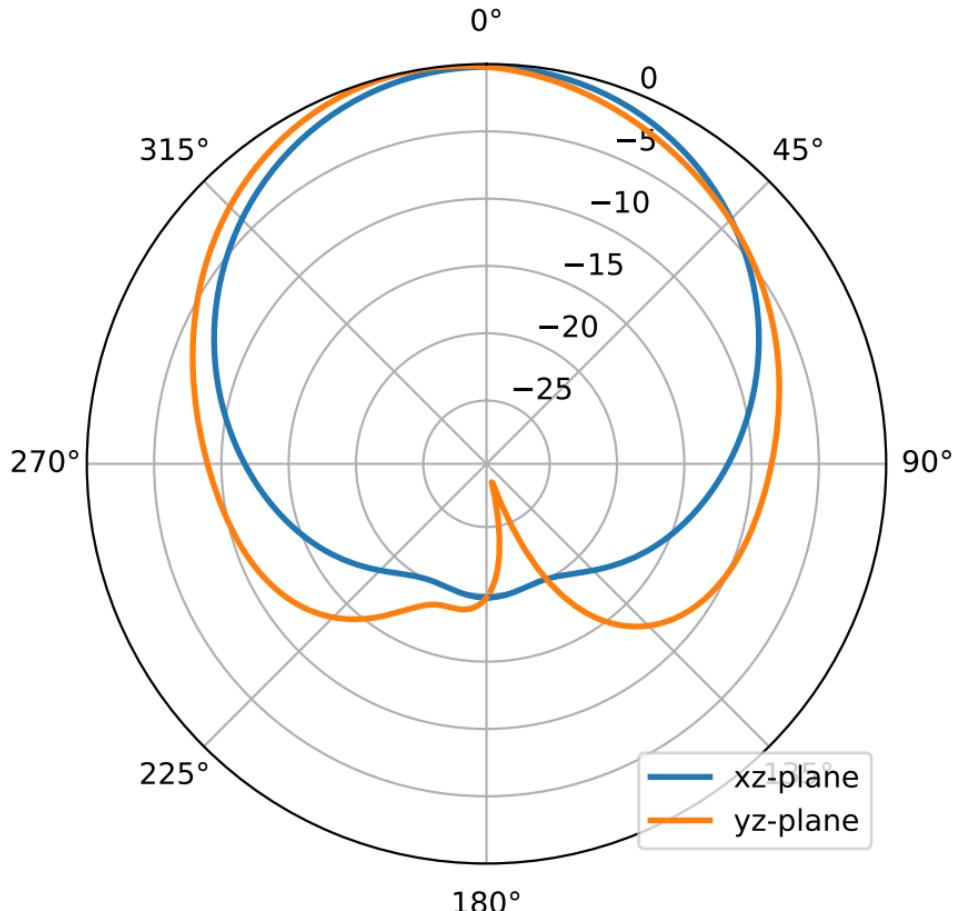
Ez snapshot (dphi=-88.20deg) slice at z = 0.76 mm (idx 15)



Ez snapshot (dphi=-88.20deg) line cut along Y at x=0.00 mm, z=0.76 mm  
(idx x=27, z=15)



Frequency: 5.810 GHz — Directivity (linear). Dmax: 8.802



Frequency: 5.810 GHz

