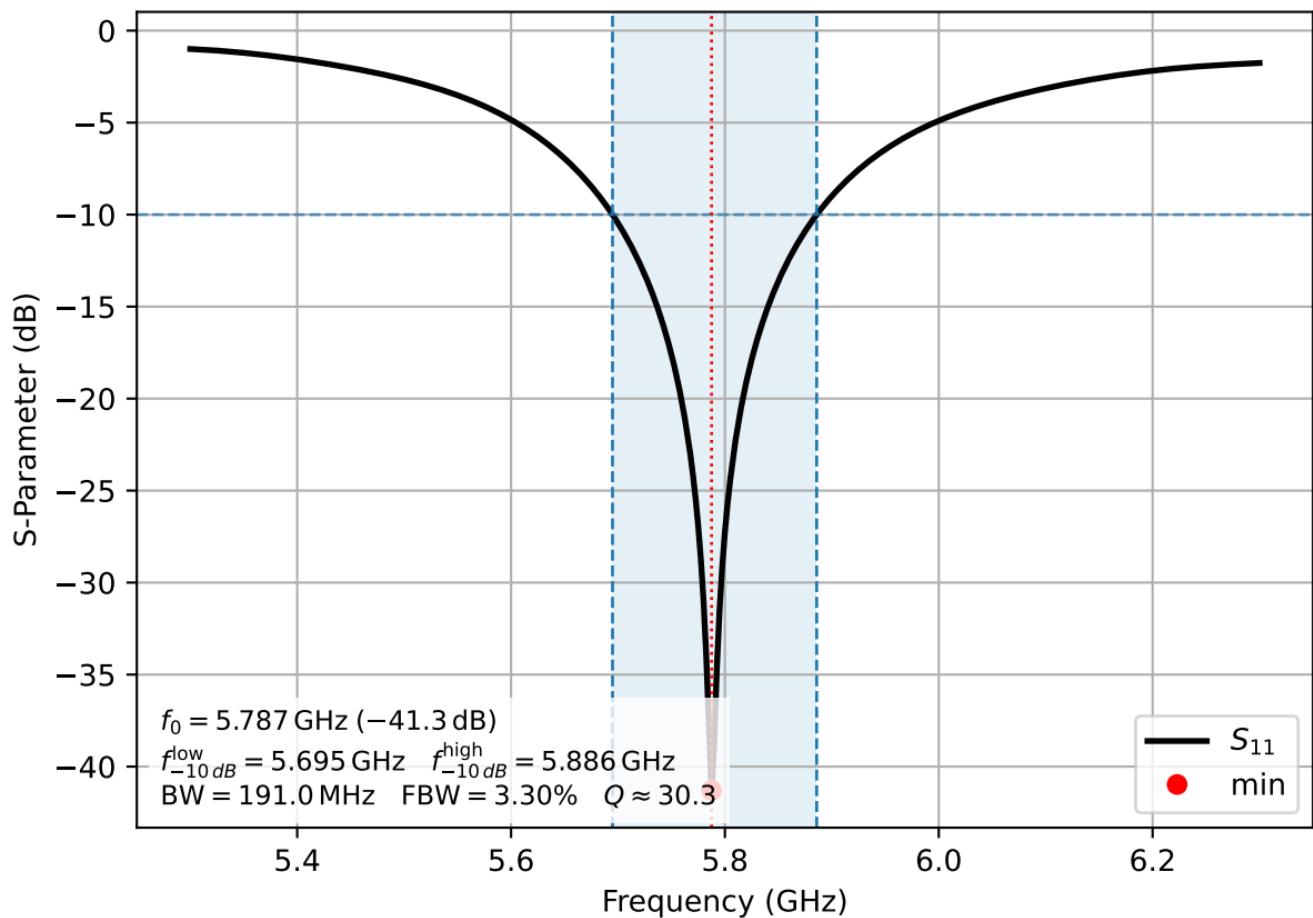
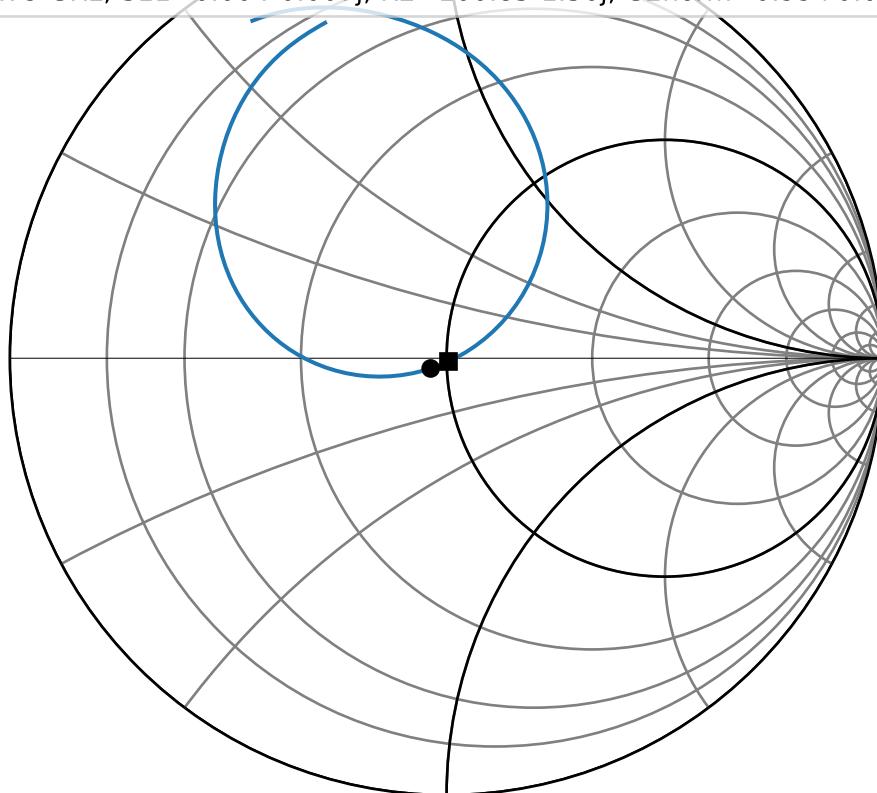


# Reflection Coefficient $S_{11}$

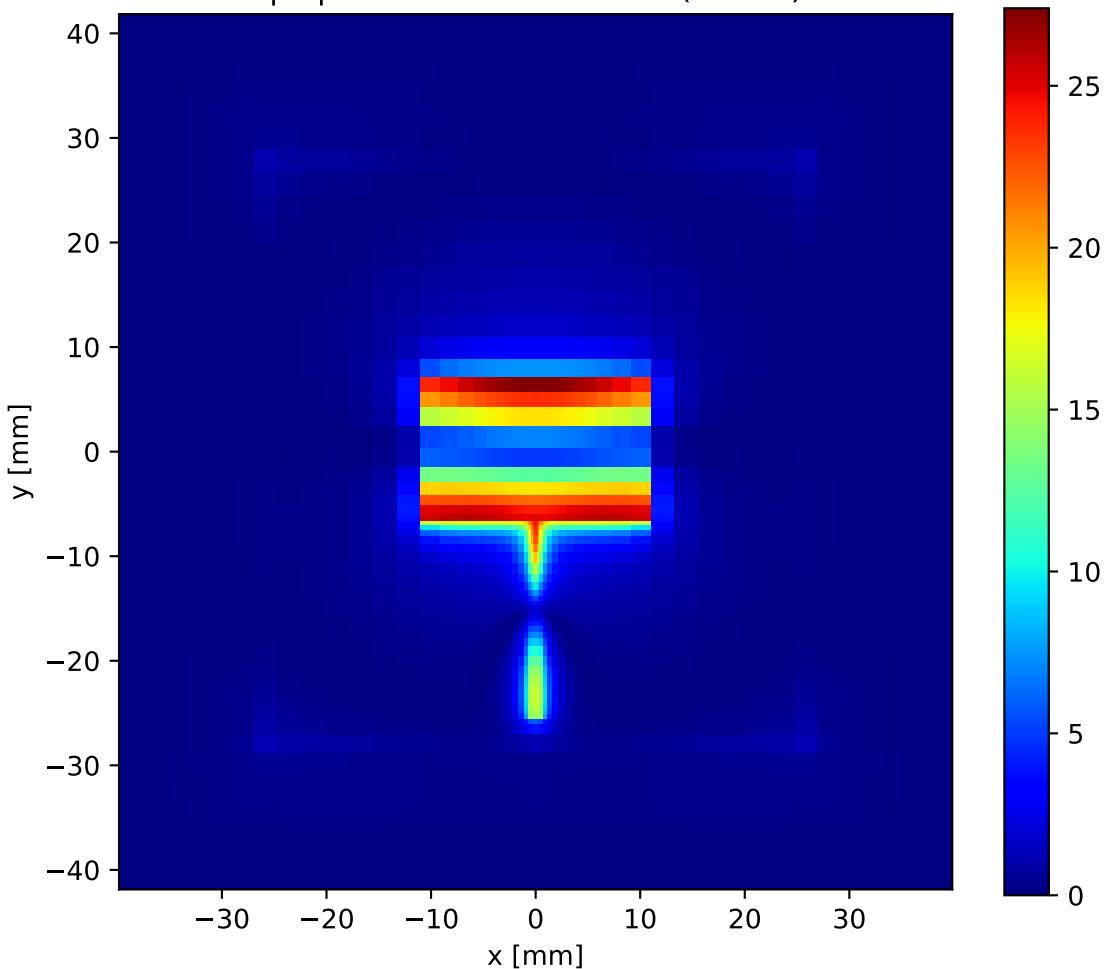


## Smith Chart

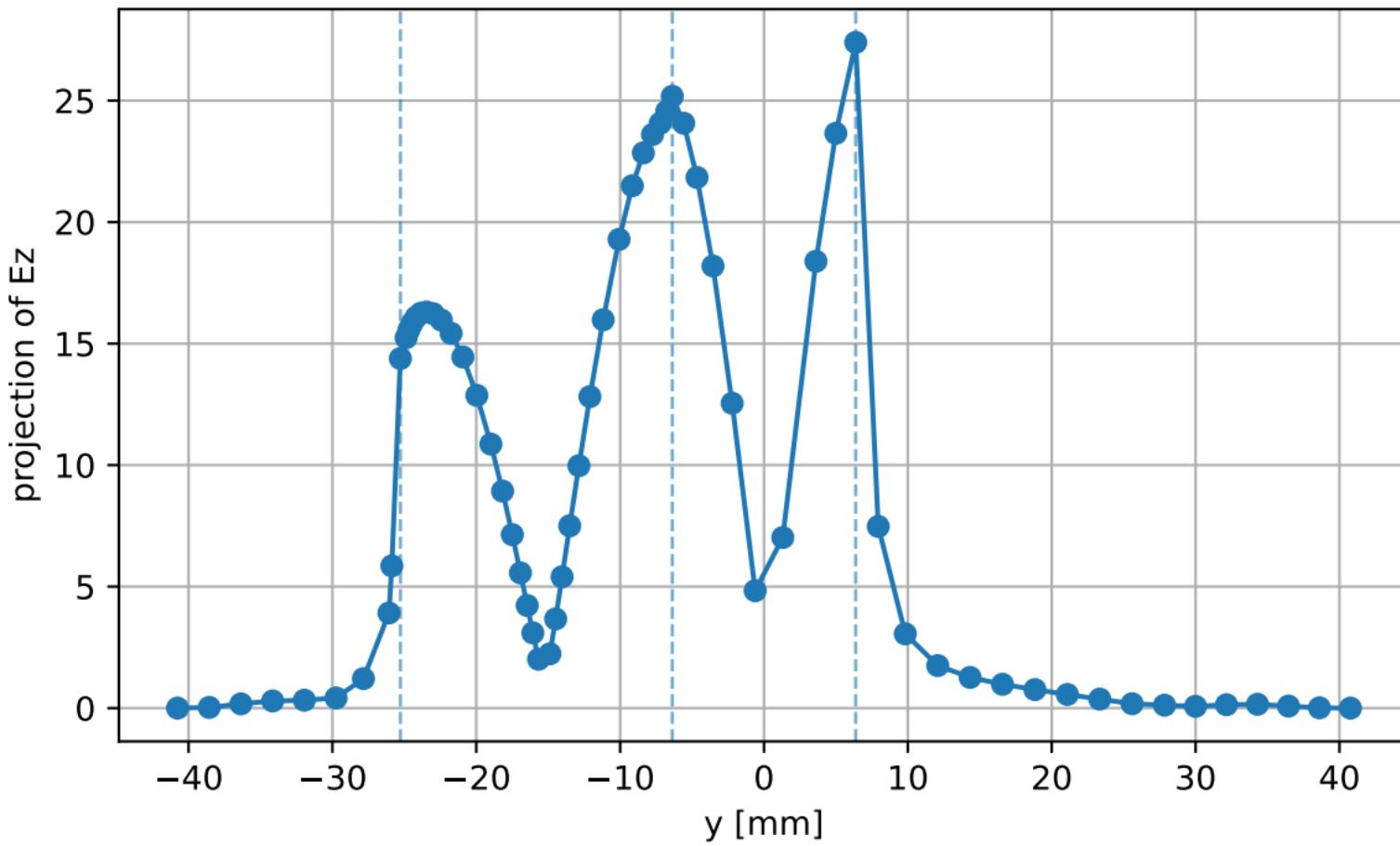
- S11 (Patch W=20.10 mm, L=12.75 mm)
- 5.80 GHz,  $S_{11} = -0.036 - 0.023j$ ,  $R = 92.87 - 4.36j$ ,  $G_{norm} = 1.07 + 0.05j$
- 5.79 GHz,  $S_{11} = 0.004 - 0.007j$ ,  $R_2 = 100.85 - 1.50j$ ,  $G_{2norm} = 0.99 + 0.01j$



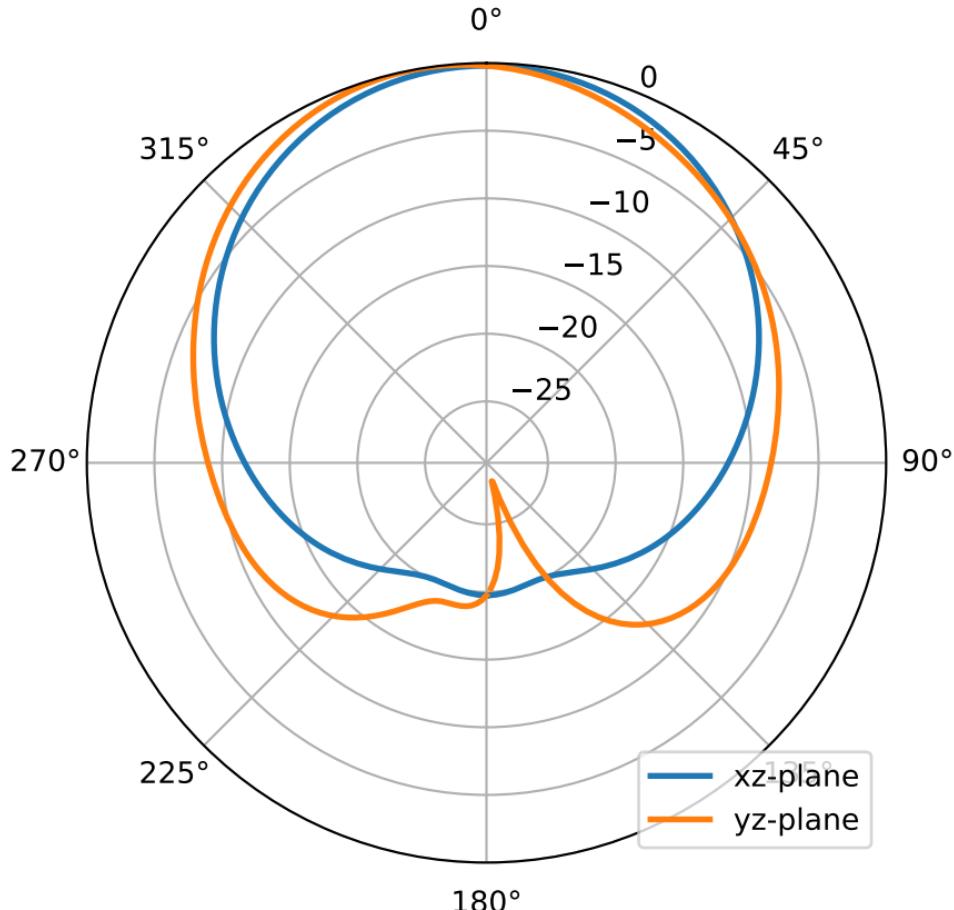
$|E_z|$  slice at  $z = 0.76$  mm (idx 15)



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



Frequency: 5.787 GHz — Directivity (linear). Dmax: 8.768



Frequency: 5.787 GHz

