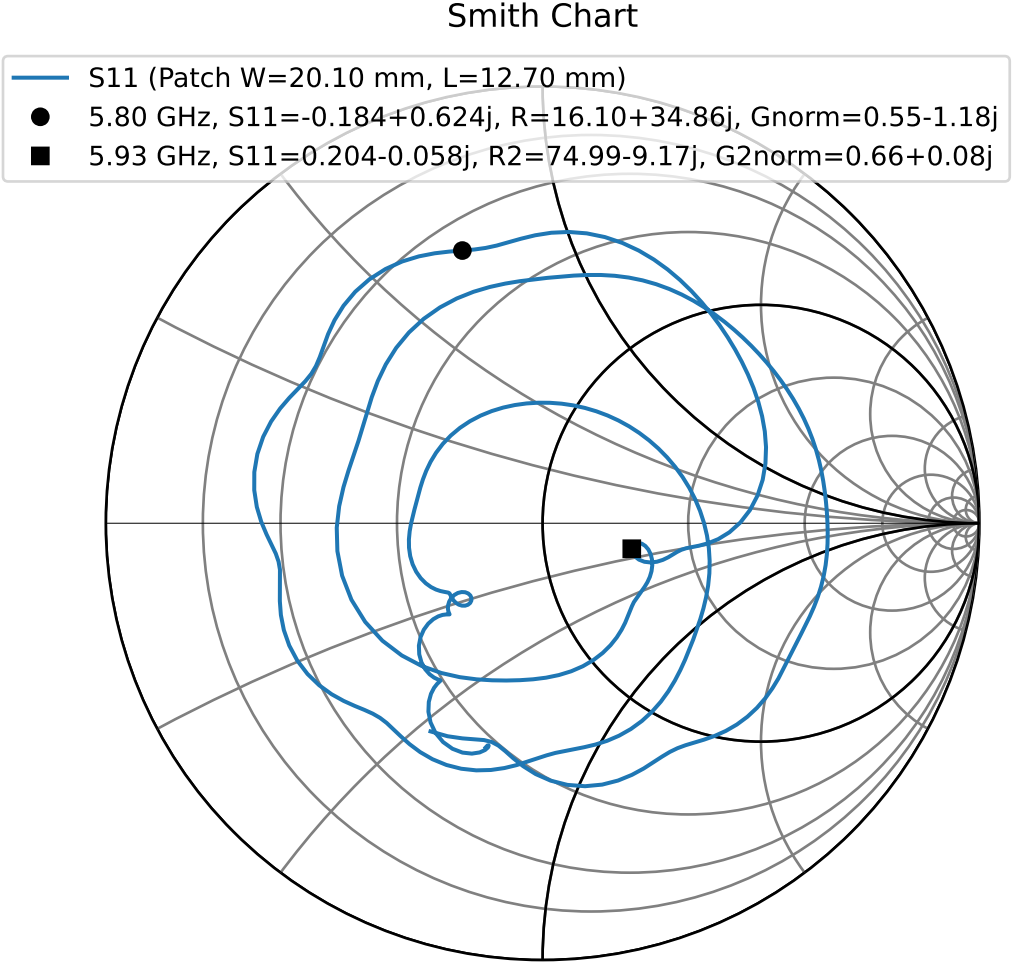
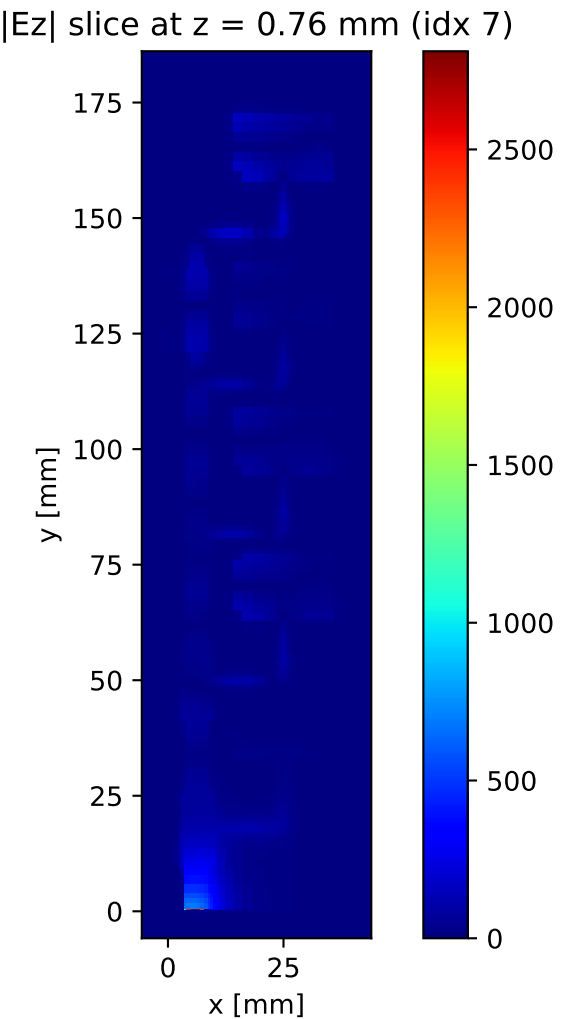
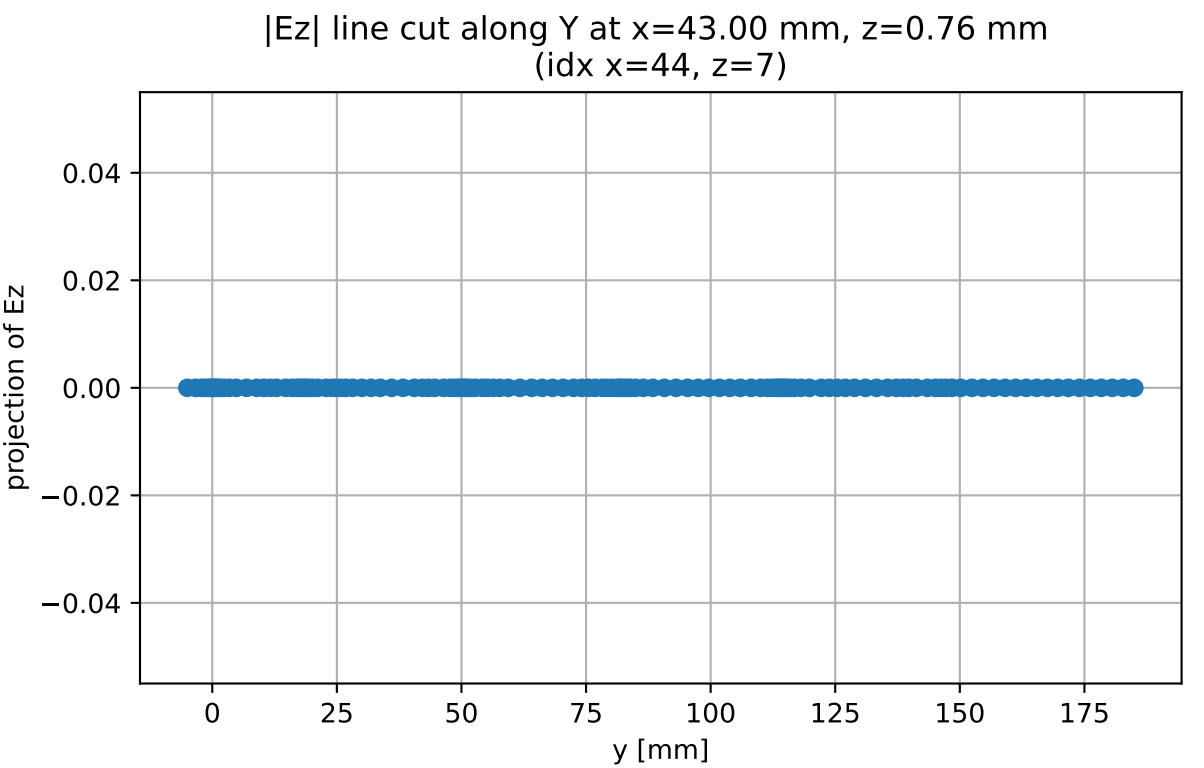
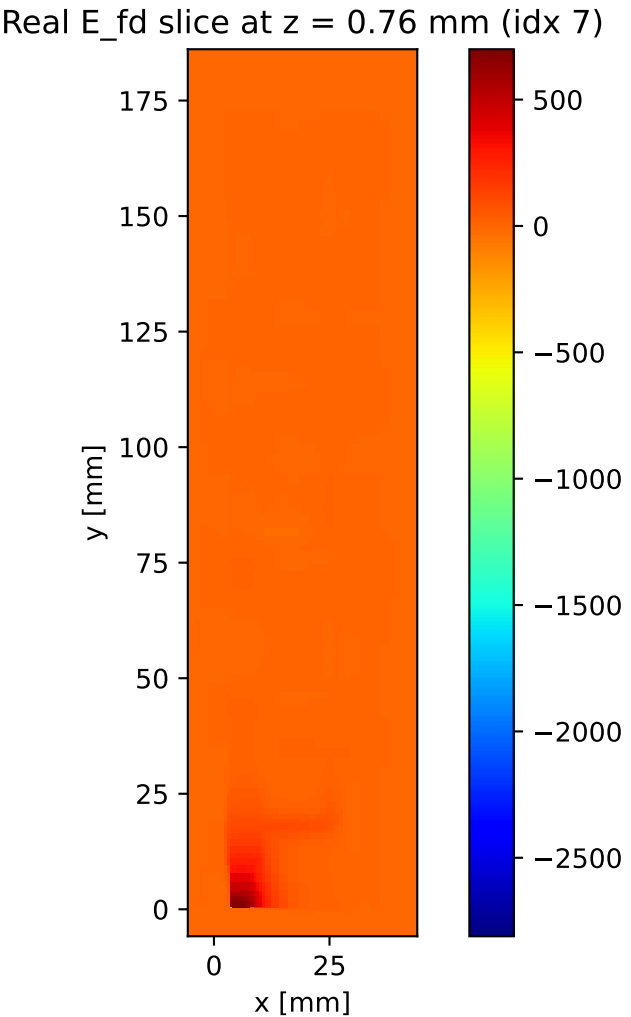
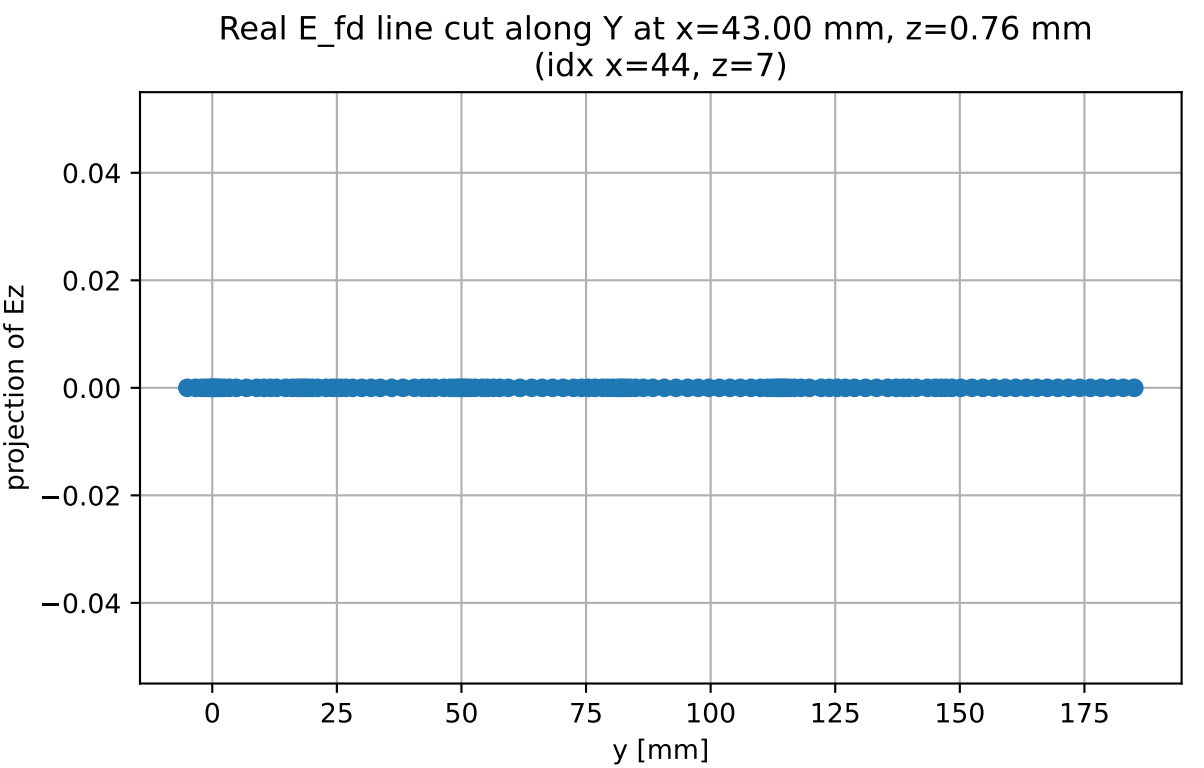
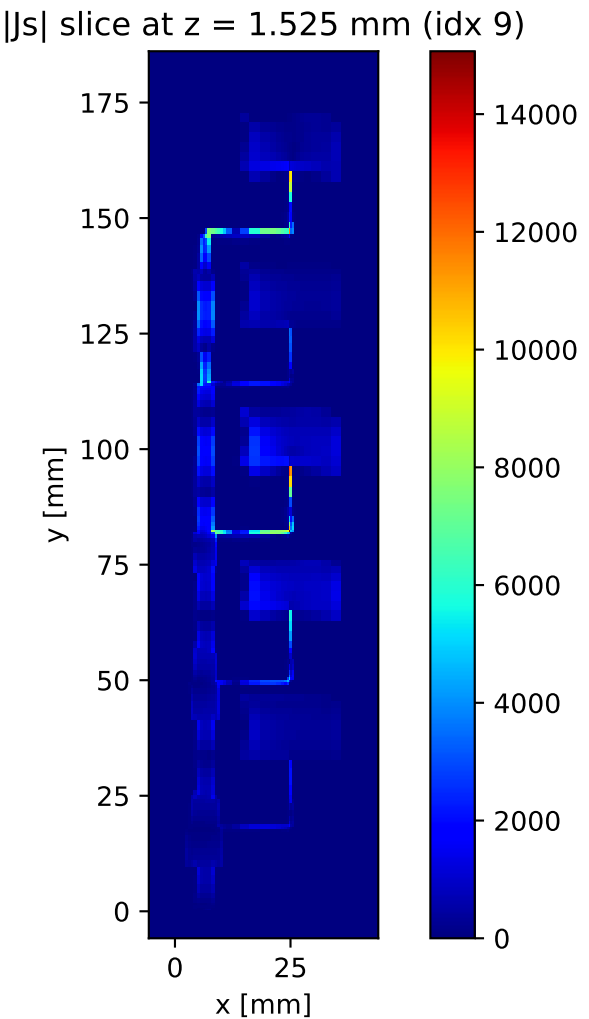

Smith Chart
S11 (Patch W=20.10 mm, L=12.70 mm)
5.80 GHz, S11=-0.184+0.624j, R=16.10+34.86j, Gnorm=0.55-1.18j
5.93 GHz, S11=0.204-0.058j, R2=74.99-9.17j, G2norm=0.66+0.08j

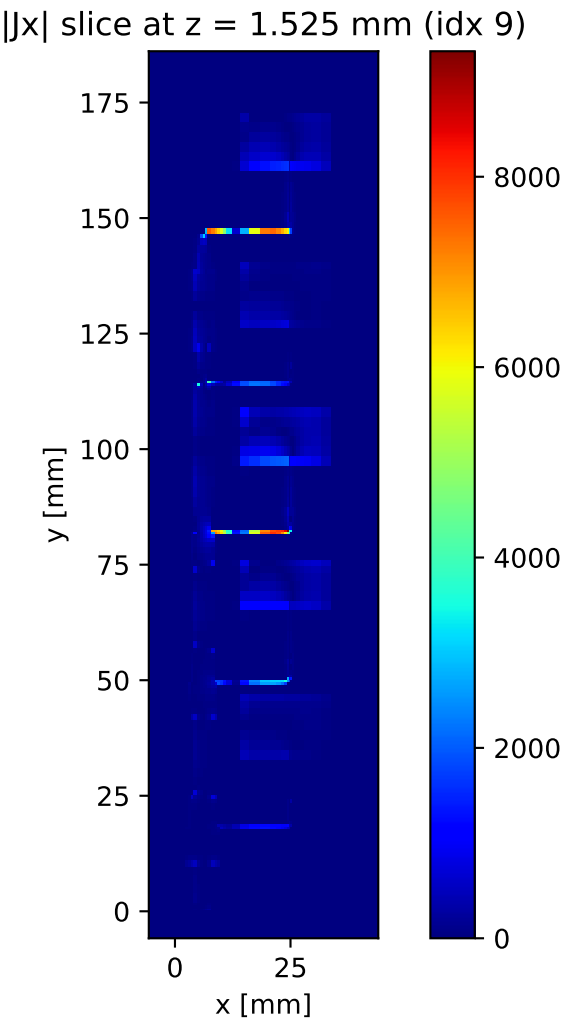

|Ez| slice at z = 0.76 mm (idx 7)
y [mm]
x [mm]
0
25
50
75
100
125
150
175
0
25
0
500
1000
1500
2000
2500

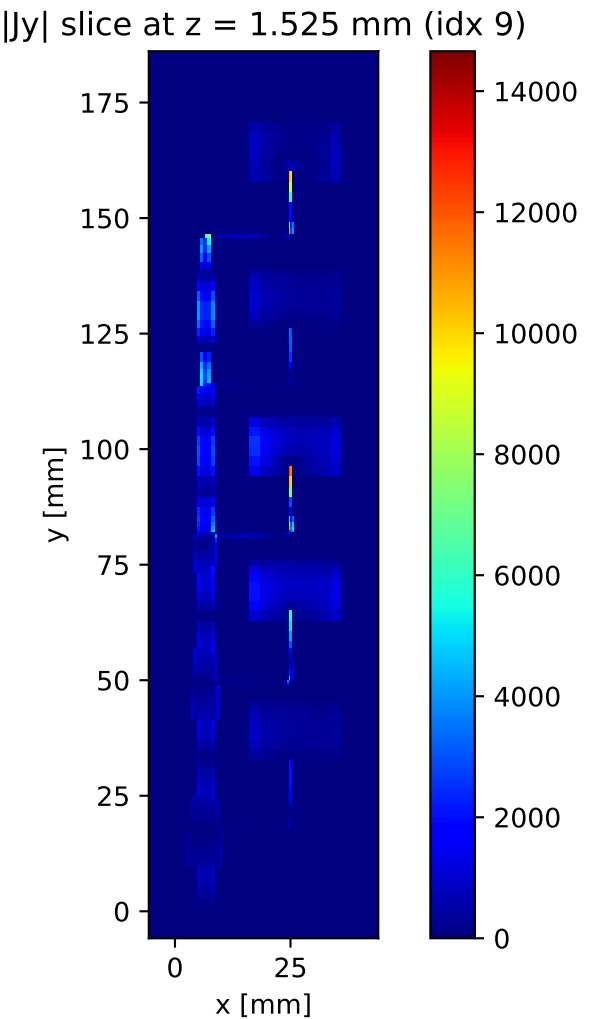

|Ez| line cut along Y at x=43.00 mm, z=0.76 mm
(idx x=44, z=7)
projection of Ez
0.04
0.02
0.00
−0.02
−0.04
0
25
50
75
100
125
150
175
y [mm]

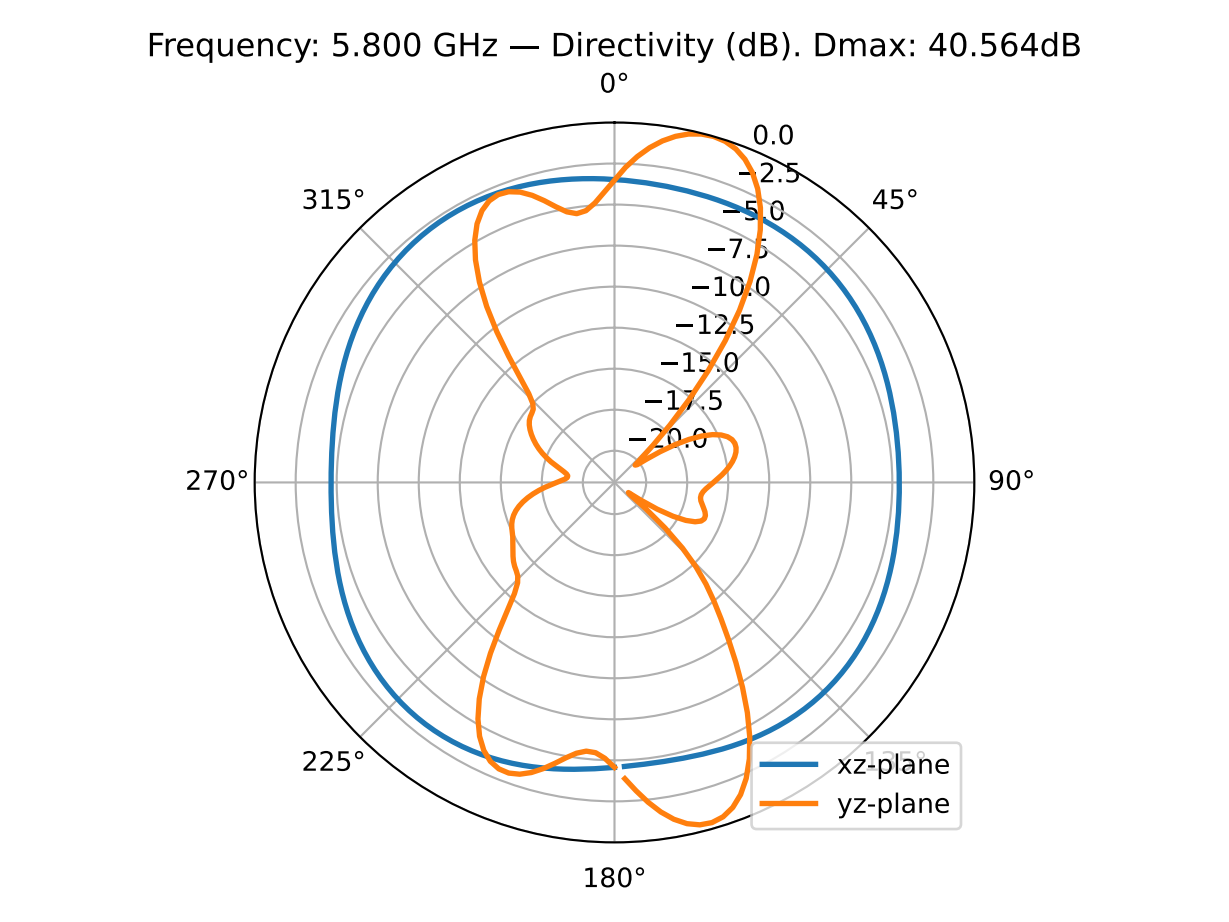

Real E_fd slice at z = 0.76 mm (idx 7)
175
150
125
100
75
50
25
0
y [mm]
0
25
x [mm]
500
0
−500
−1000
−1500
−2000
−2500

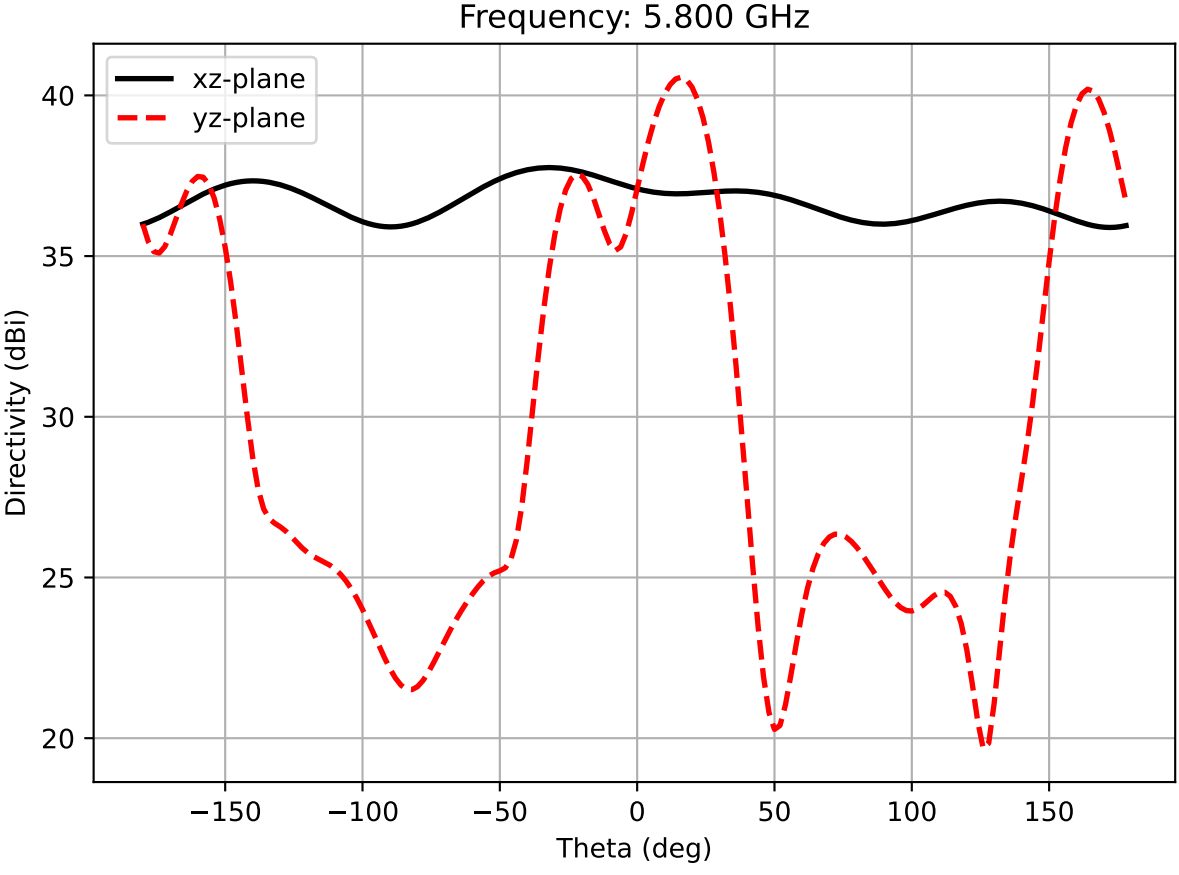

Real E_fd line cut along Y at x=43.00 mm, z=0.76 mm
(idx x=44, z=7)
projection of Ez
0.04
0.02
0.00
−0.02
−0.04
0
25
50
75
100
125
150
175
y [mm]


|Js| slice at z = 1.525 mm (idx 9)
y [mm]
x [mm]
0
25
50
75
100
125
150
175
0
25
0
2000
4000
6000
8000
10000
12000
14000


|Jx| slice at z = 1.525 mm (idx 9)
175
150
125
100
75
50
25
0
y [mm]
0
25
x [mm]
8000
6000
4000
2000
0


|Jy| slice at z = 1.525 mm (idx 9)
175
150
125
100
75
50
25
0
y [mm]
0
25
x [mm]
14000
12000
10000
8000
6000
4000
2000
0


Frequency: 5.800 GHz — Directivity (dB). Dmax: 40.564dB
0°
45°
90°
180°
225°
270°
315°
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−20.0
xz-plane
yz-plane


Frequency: 5.800 GHz
xz-plane
yz-plane
Directivity (dBi)
Theta (deg)
40
35
30
25
20
−150
−100
−50
0
50
100
150