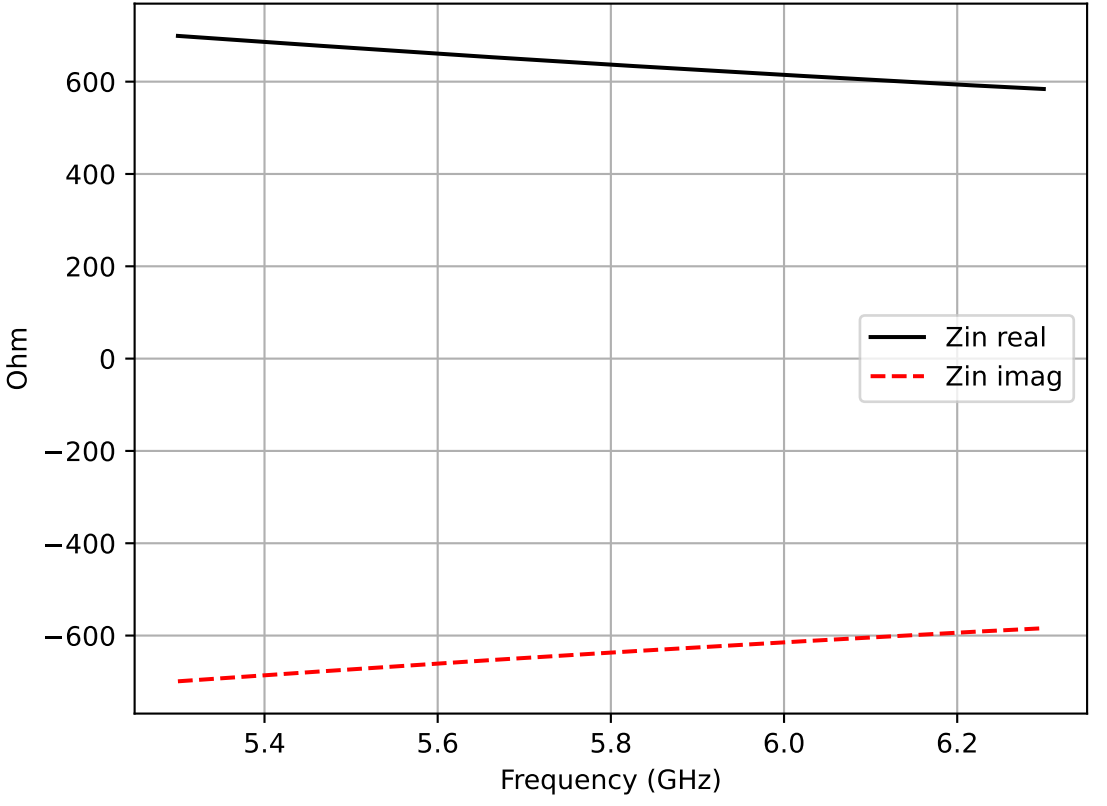
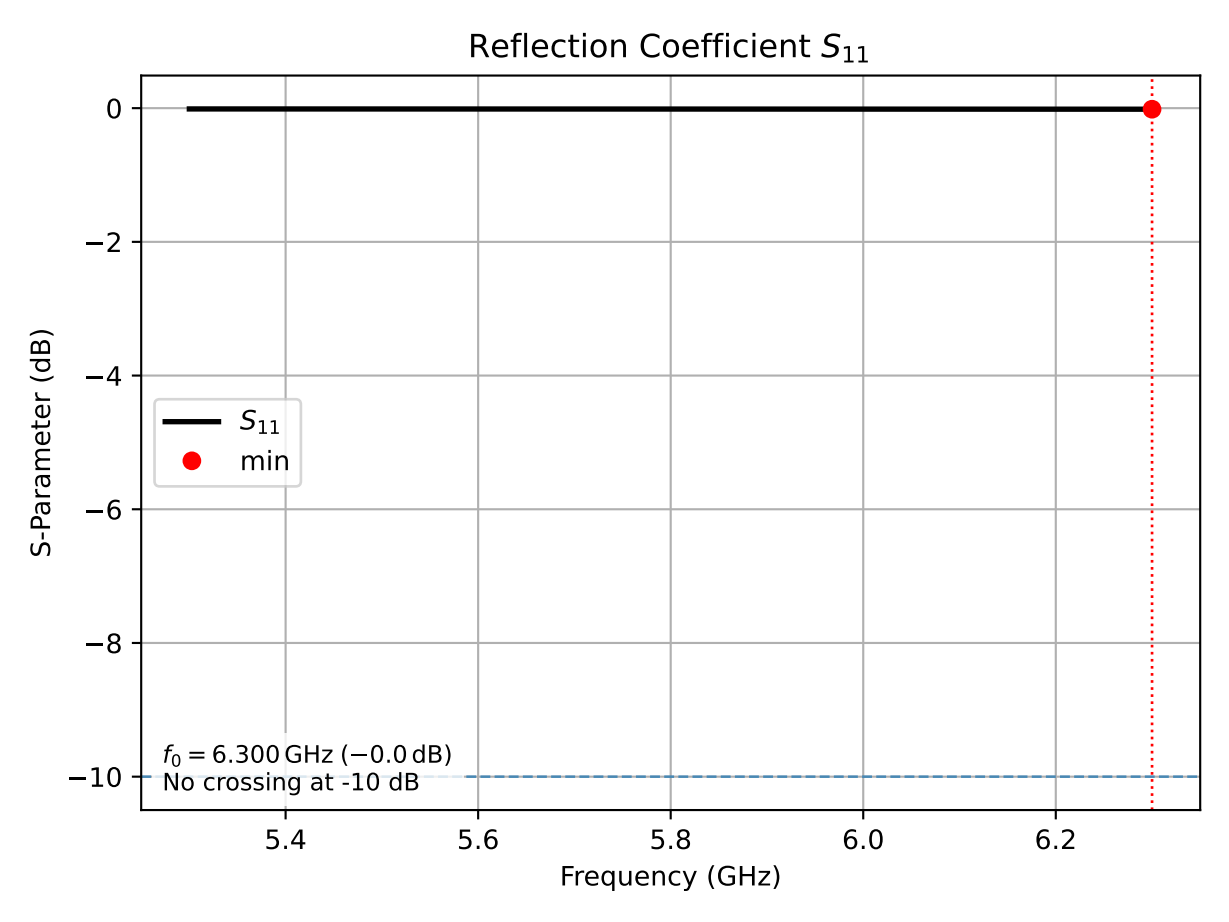
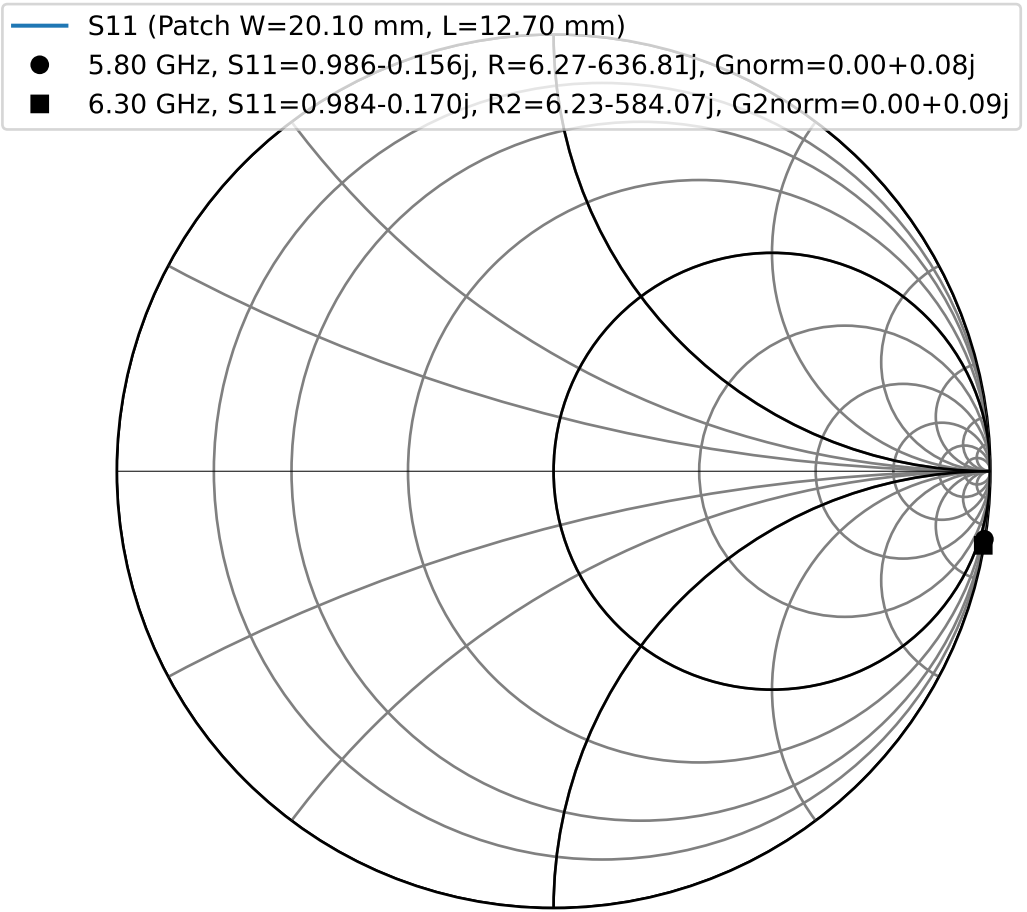
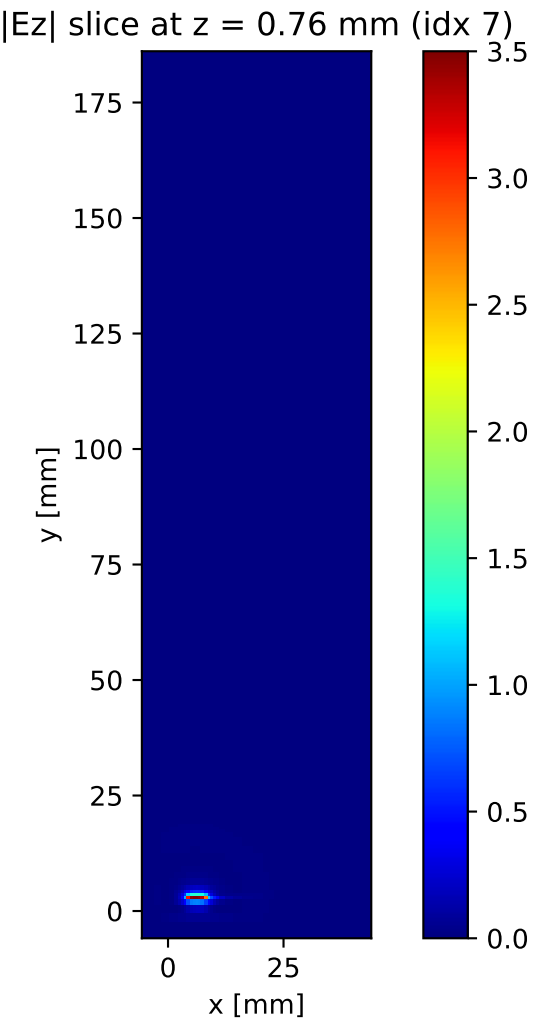
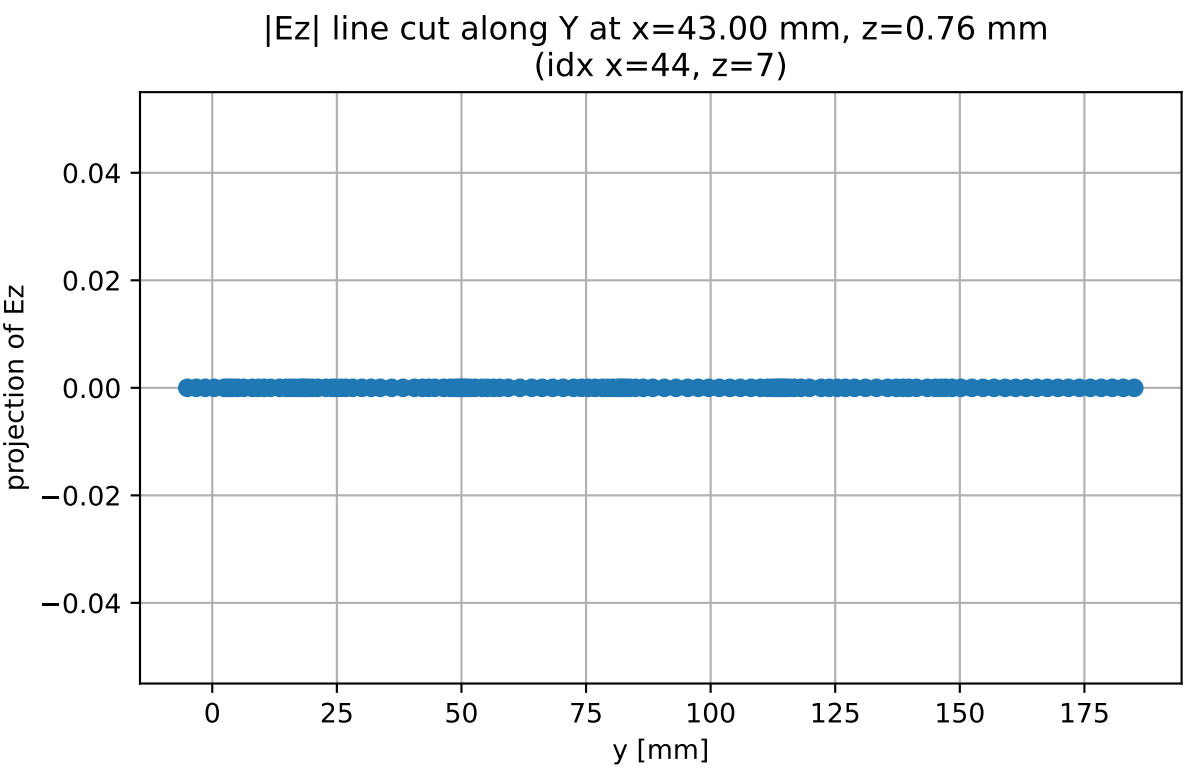
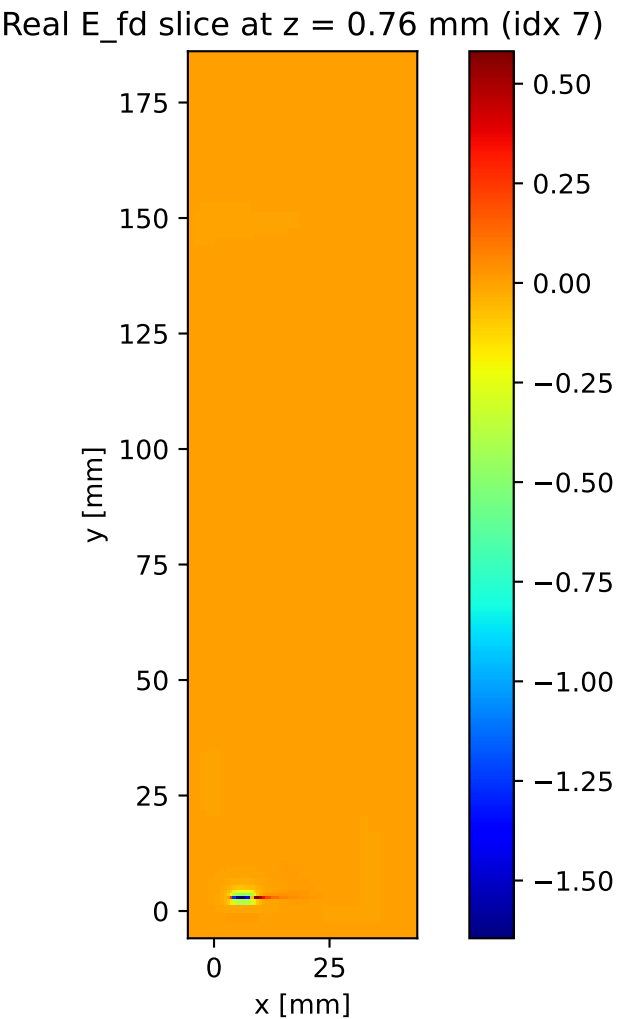

600
400
200
0
−200
−400
−600
Ohm
5.4
5.6
5.8
6.0
6.2
Frequency (GHz)
Zin real
Zin imag

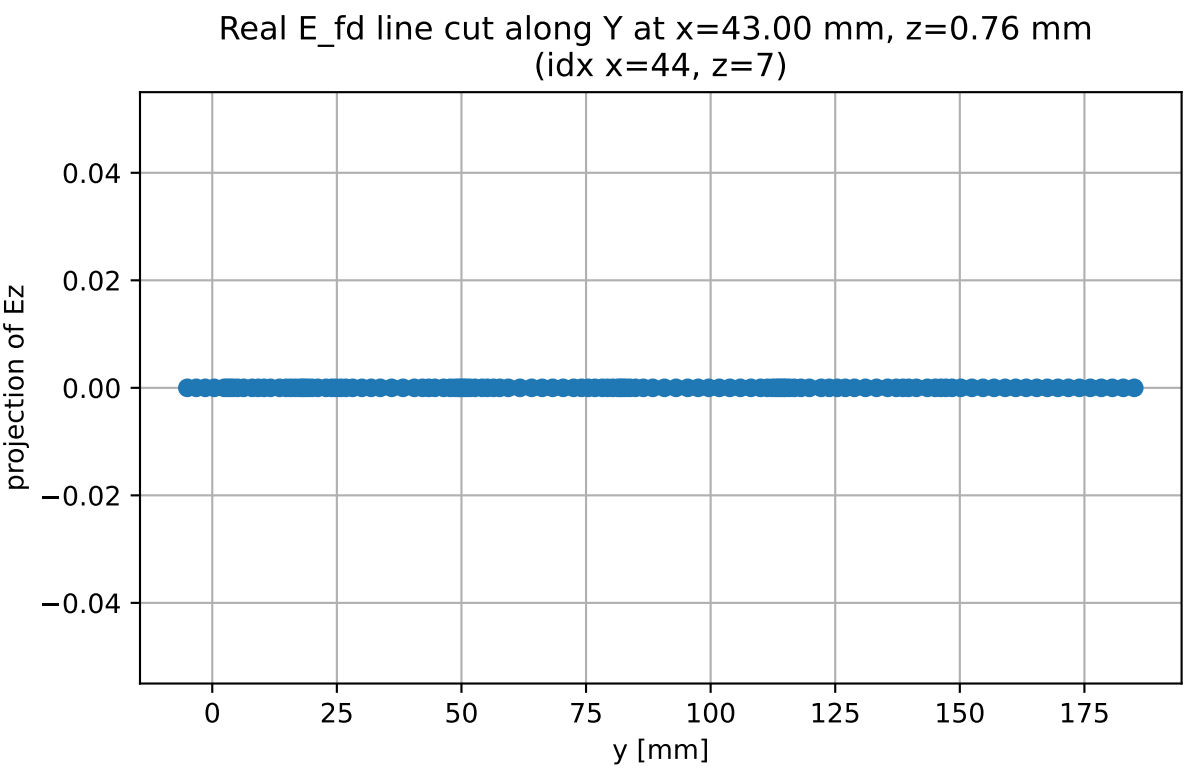

Reflection Coefficient S_{11}
S-Parameter (dB)
Frequency (GHz)
0
−2
−4
−6
−8
−10
5.4
5.6
5.8
6.0
6.2
S_{11}
min
$f_0 = 6.300\,\text{GHz}\ (-0.0\,\text{dB})$
No crossing at -10 dB

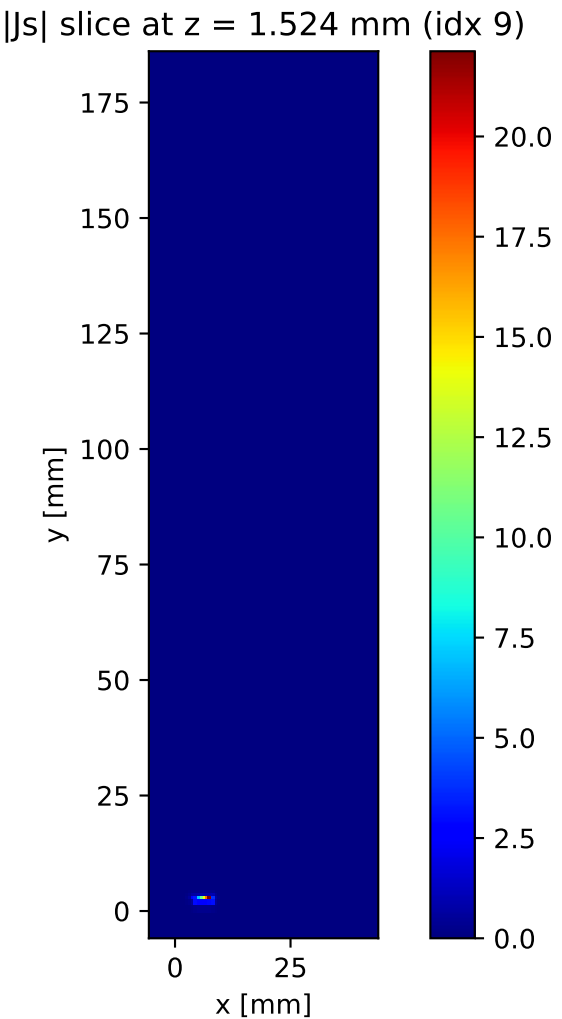

Smith Chart
S11 (Patch W=20.10 mm, L=12.70 mm)
5.80 GHz, S11=0.986-0.156j, R=6.27-636.81j, Gnorm=0.00+0.08j
6.30 GHz, S11=0.984-0.170j, R2=6.23-584.07j, G2norm=0.00+0.09j

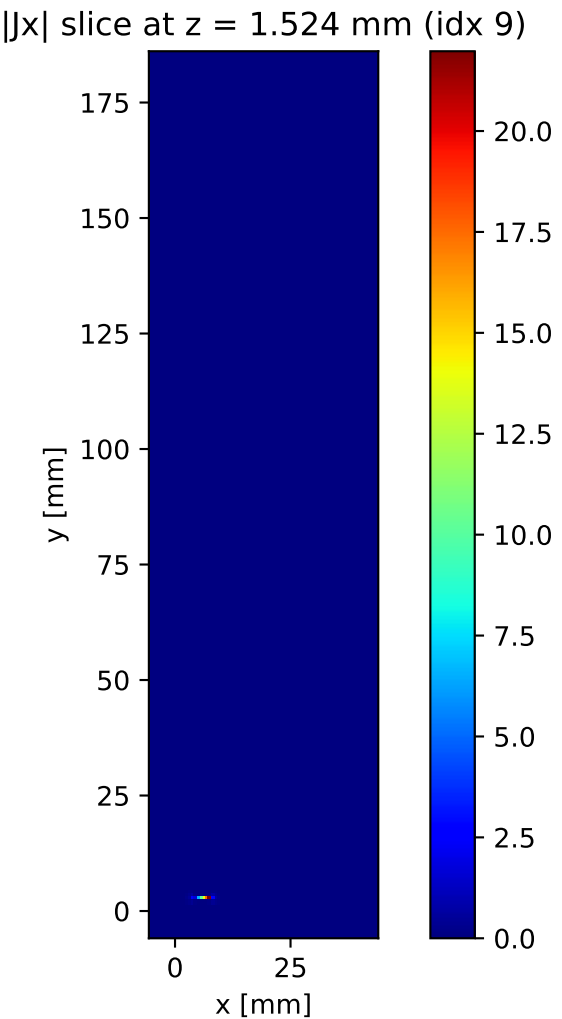

|Ez| slice at z = 0.76 mm (idx 7)
y [mm]
x [mm]
0
25
50
75
100
125
150
175
0
25
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5

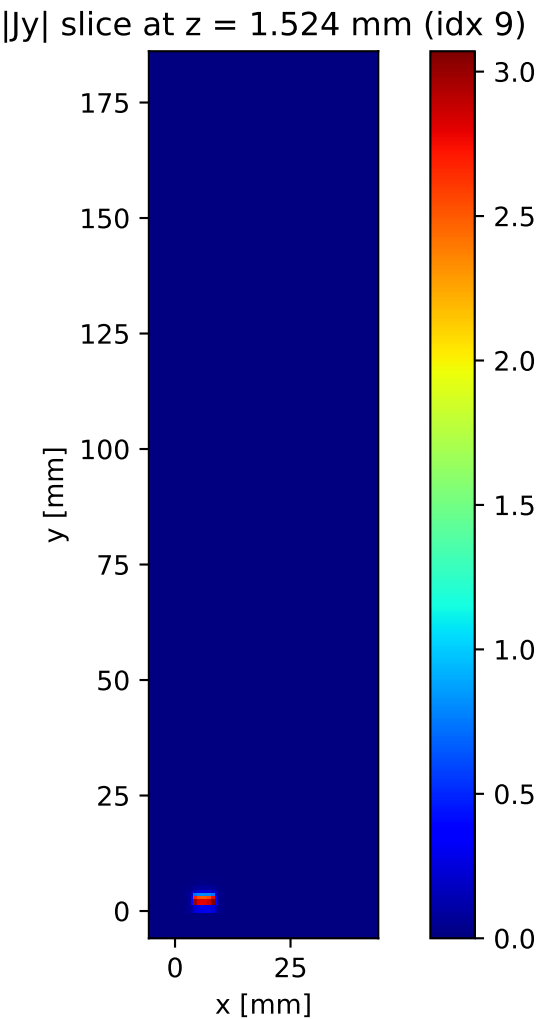

|Ez| line cut along Y at x=43.00 mm, z=0.76 mm
(idx x=44, z=7)
projection of Ez
0.04
0.02
0.00
−0.02
−0.04
0
25
50
75
100
125
150
175
y [mm]

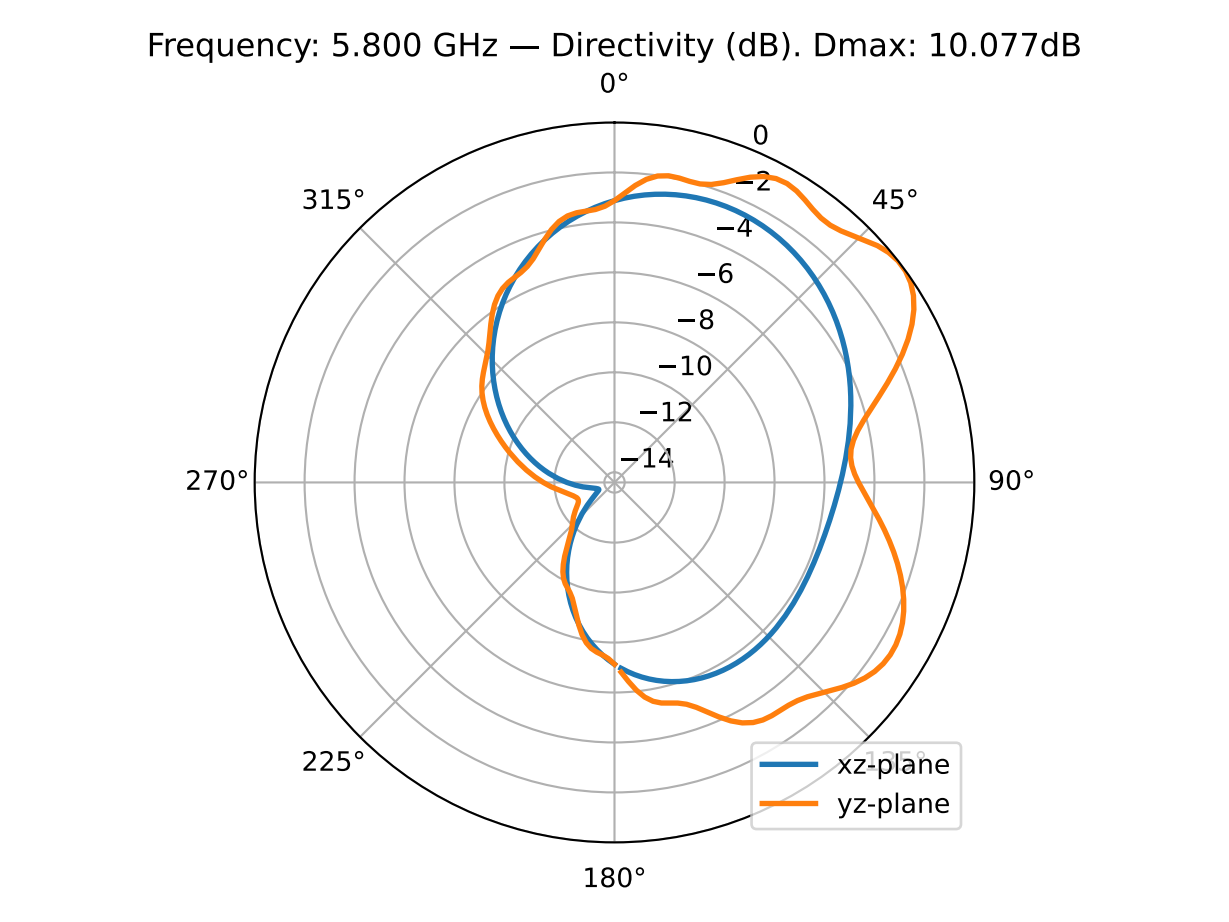

Real E_fd slice at z = 0.76 mm (idx 7)
y [mm]
x [mm]
0
25
50
75
100
125
150
175
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
−1.25
−1.50

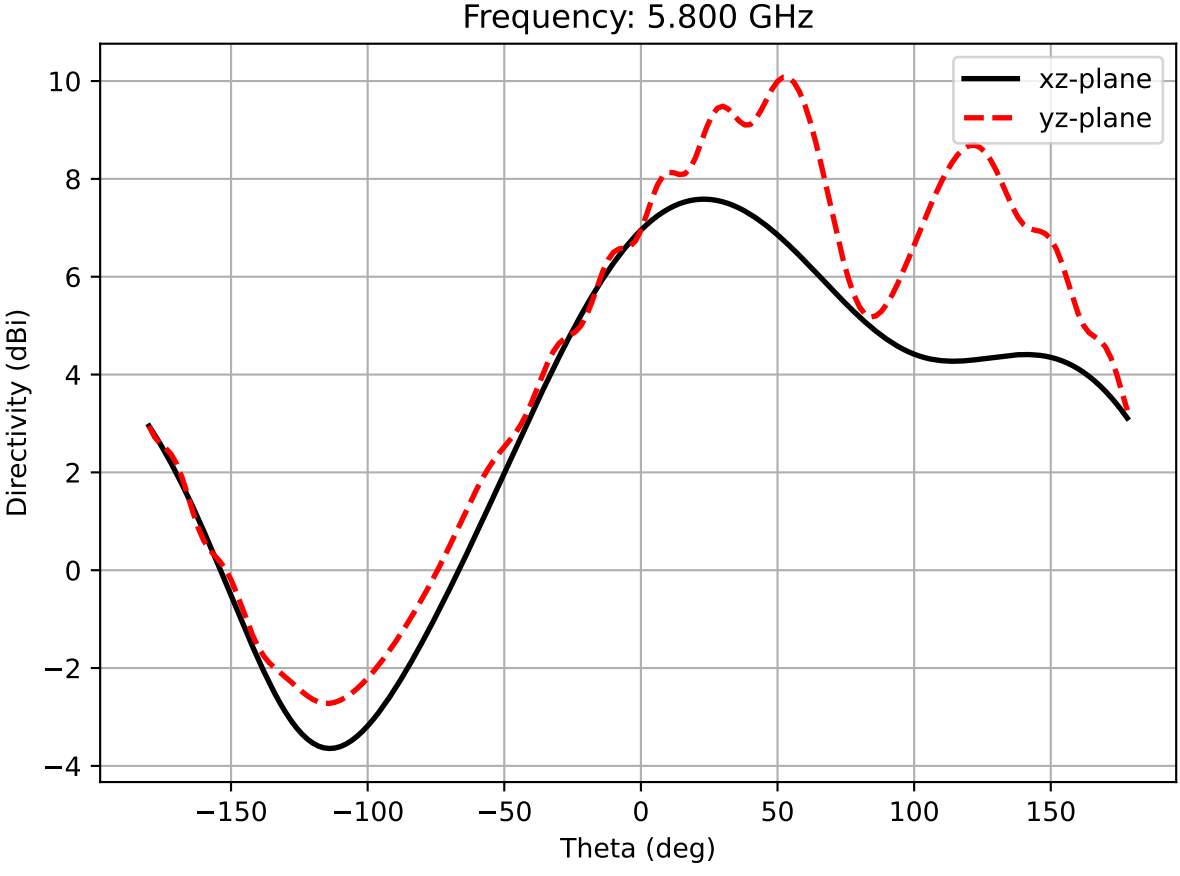

Real E_fd line cut along Y at x=43.00 mm, z=0.76 mm
(idx x=44, z=7)
projection of Ez
0.04
0.02
0.00
−0.02
−0.04
0
25
50
75
100
125
150
175
y [mm]


|Js| slice at z = 1.524 mm (idx 9)
175
150
125
100
75
50
25
0
y [mm]
0
25
x [mm]
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0


|Jx| slice at z = 1.524 mm (idx 9)
175
150
125
100
75
50
25
0
y [mm]
0
25
x [mm]
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0


|Jy| slice at z = 1.524 mm (idx 9)
y [mm]
x [mm]
0
25
50
75
100
125
150
175
0
25
0.0
0.5
1.0
1.5
2.0
2.5
3.0


Frequency: 5.800 GHz — Directivity (dB). Dmax: 10.077dB
0°
45°
90°
180°
225°
270°
315°
0
−2
−4
−6
−8
−10
−12
−14
xz-plane
yz-plane


Frequency: 5.800 GHz
xz-plane
yz-plane
Directivity (dBi)
Theta (deg)
10
8
6
4
2
0
−2
−4
−150
−100
−50
0
50
100
150