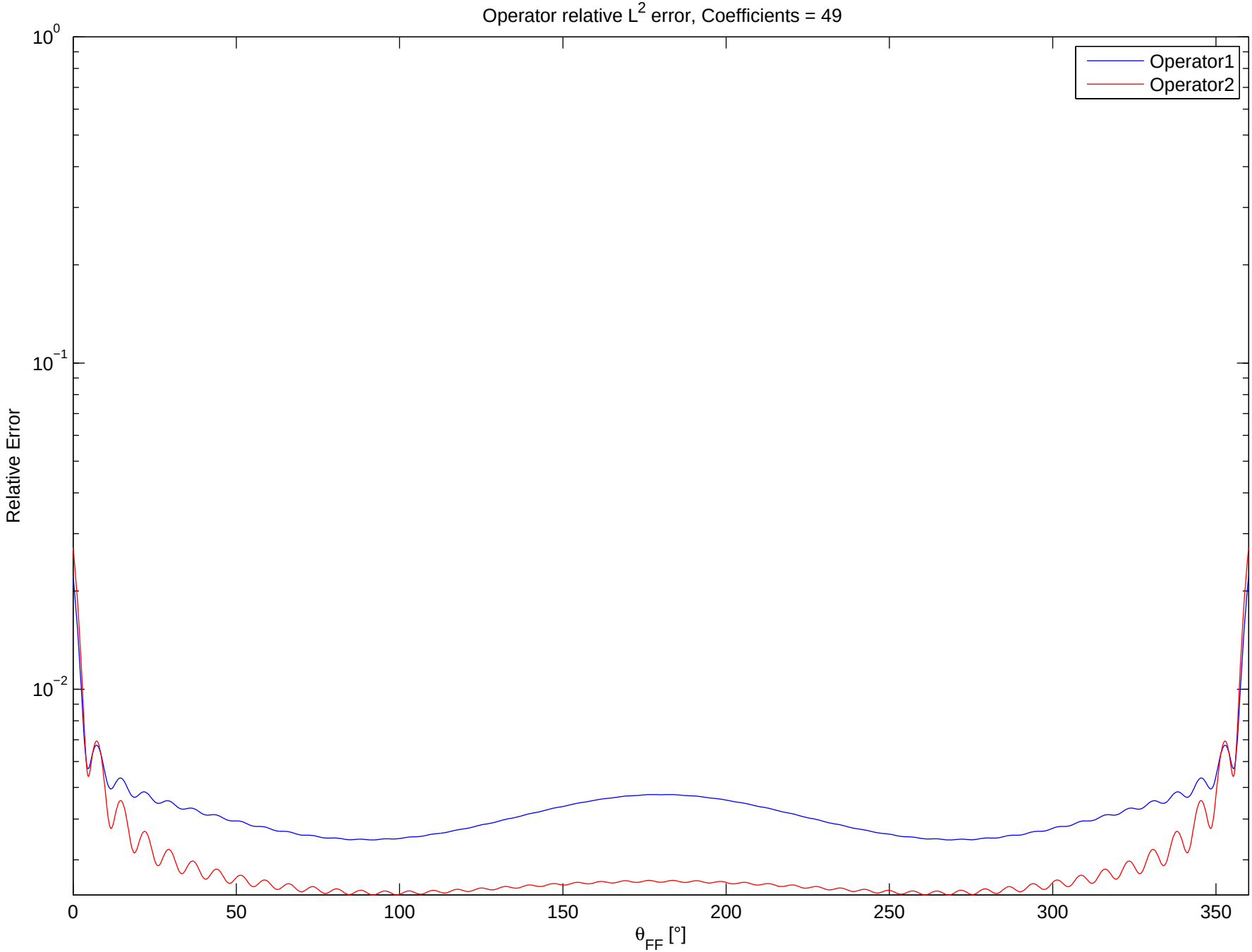
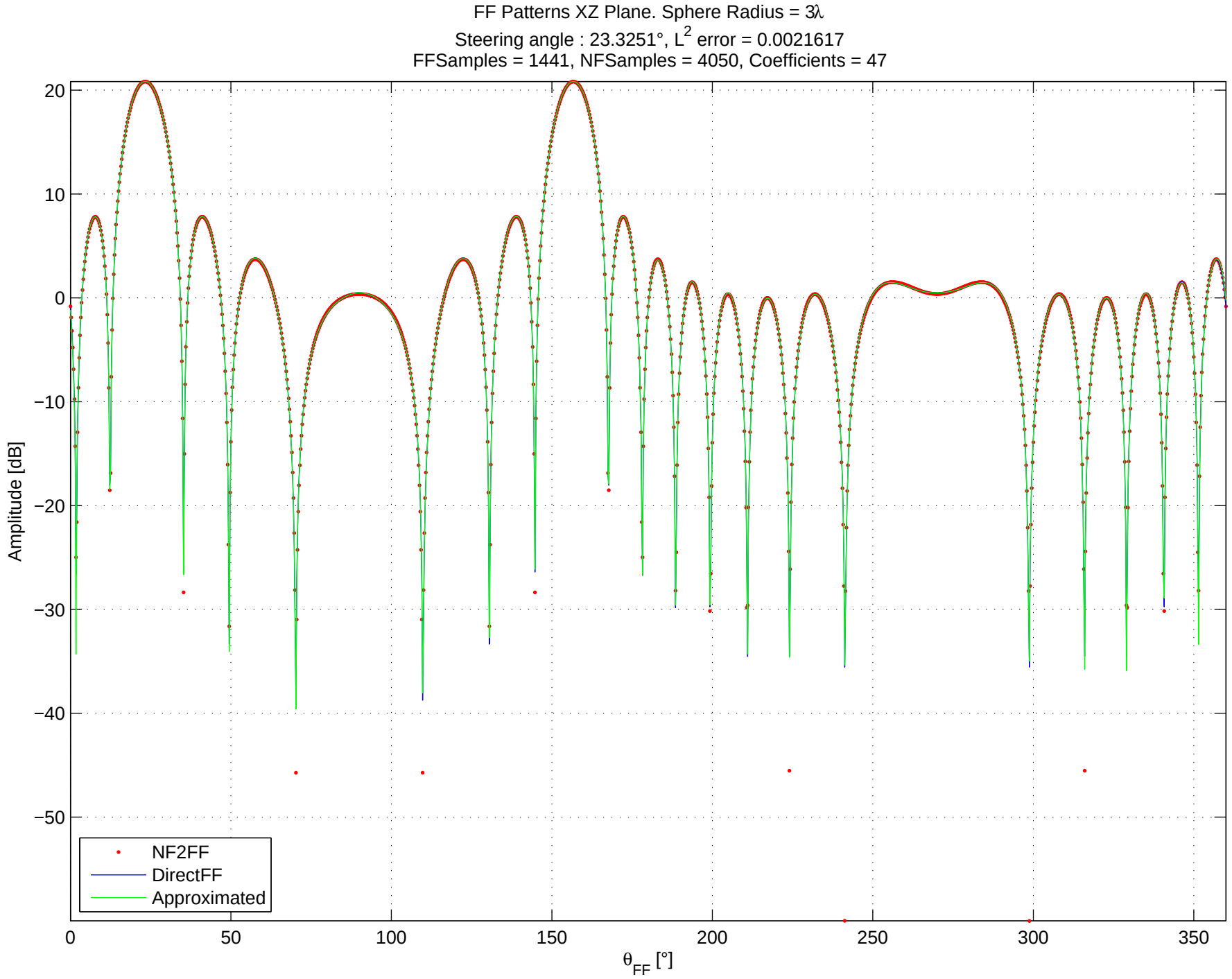
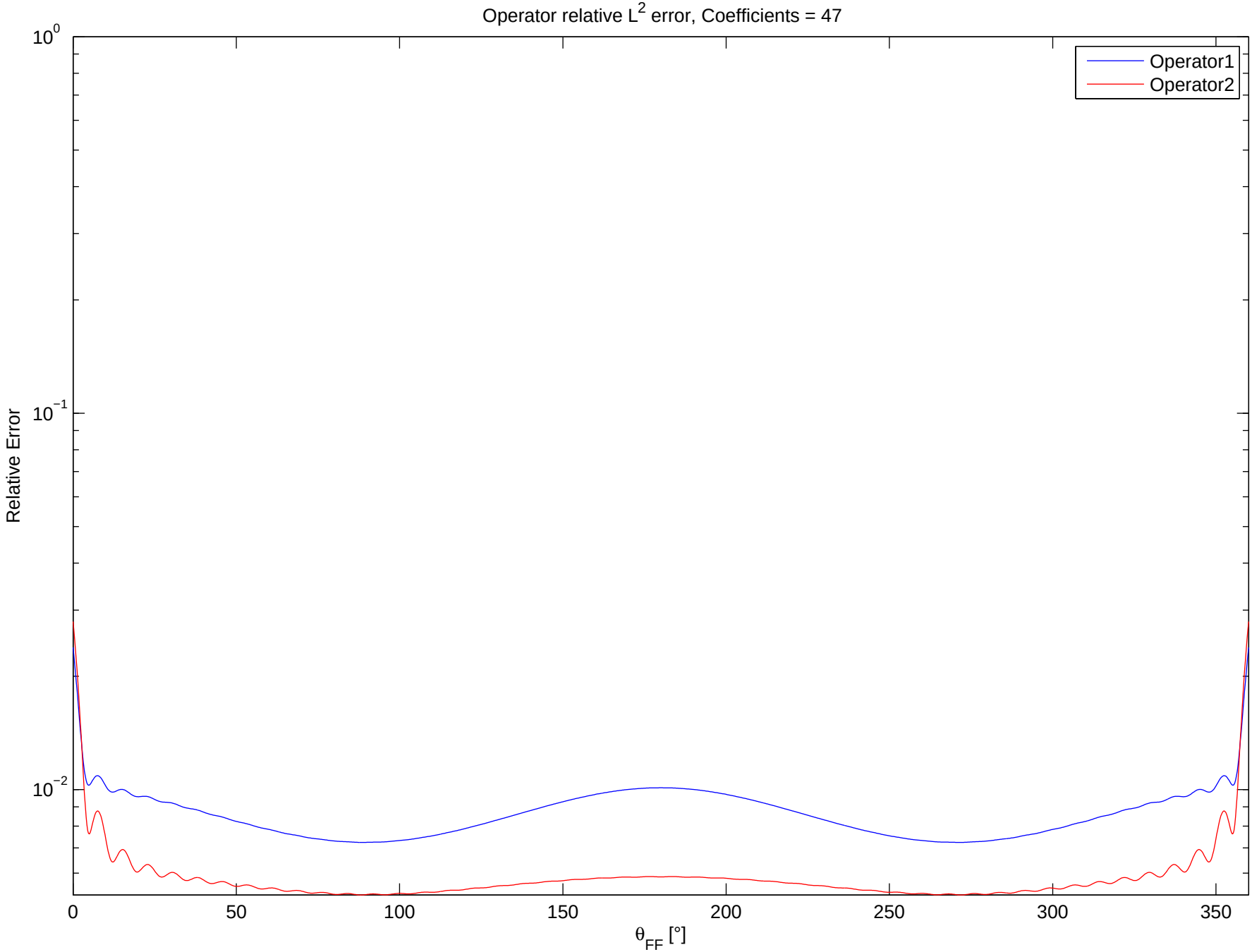
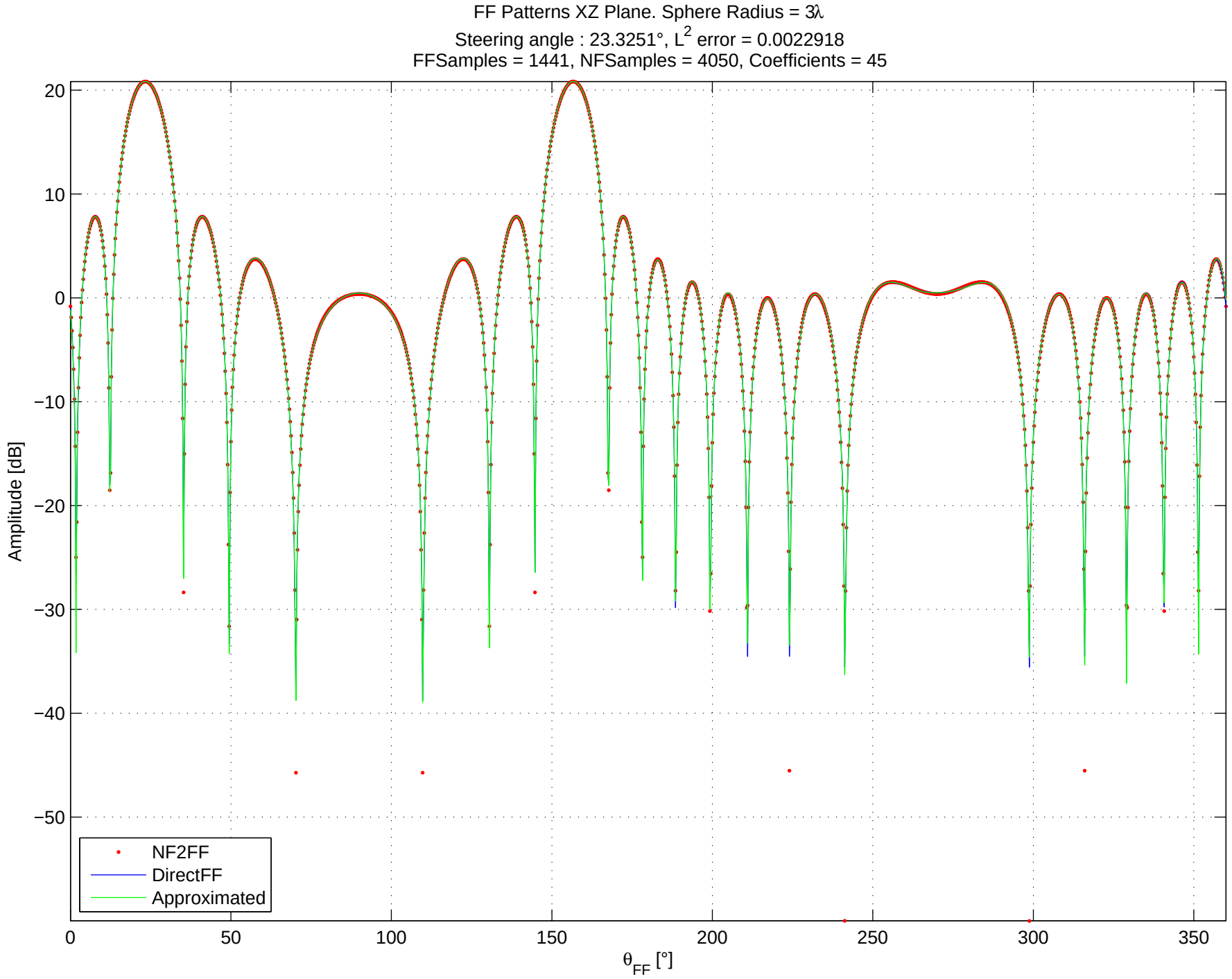
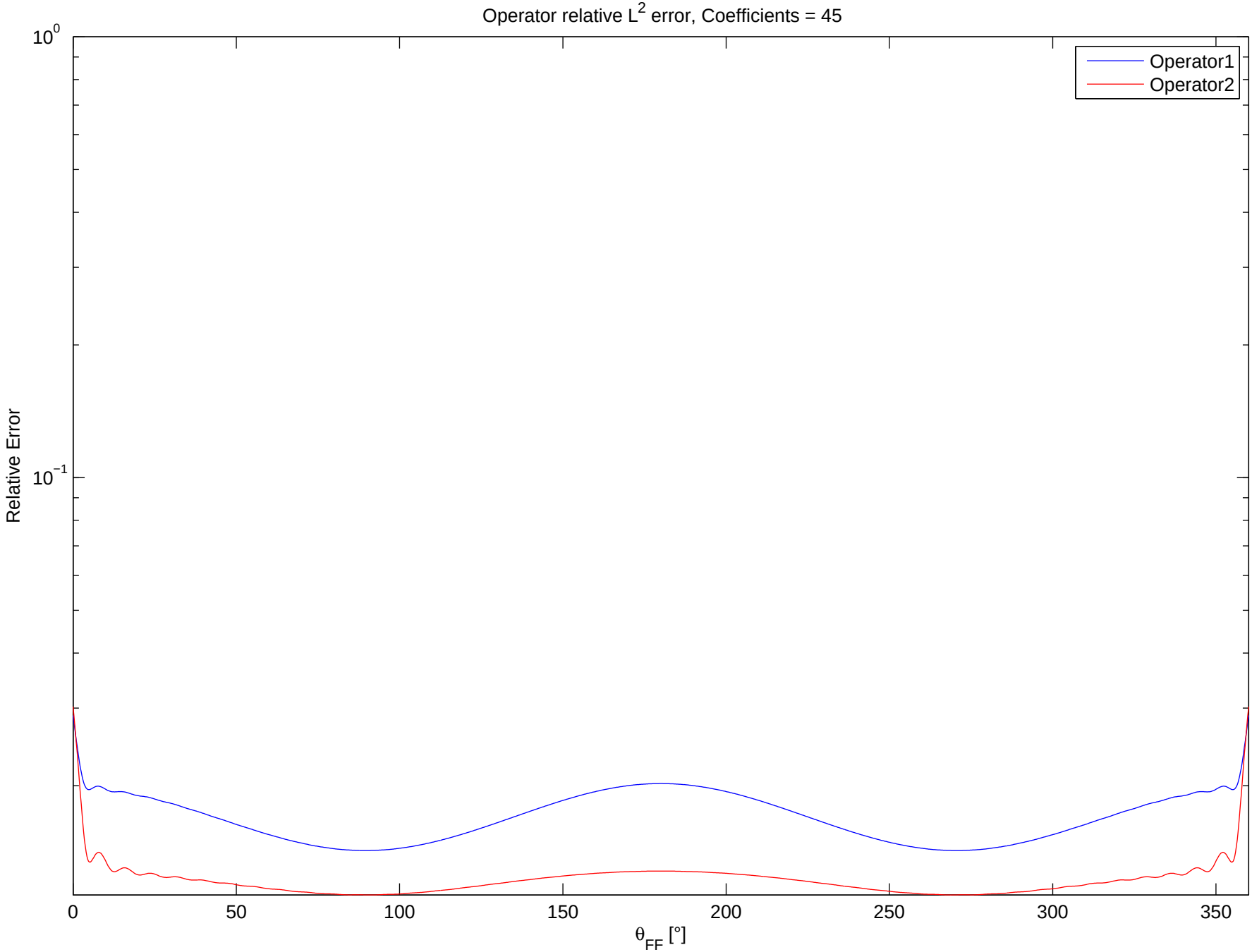
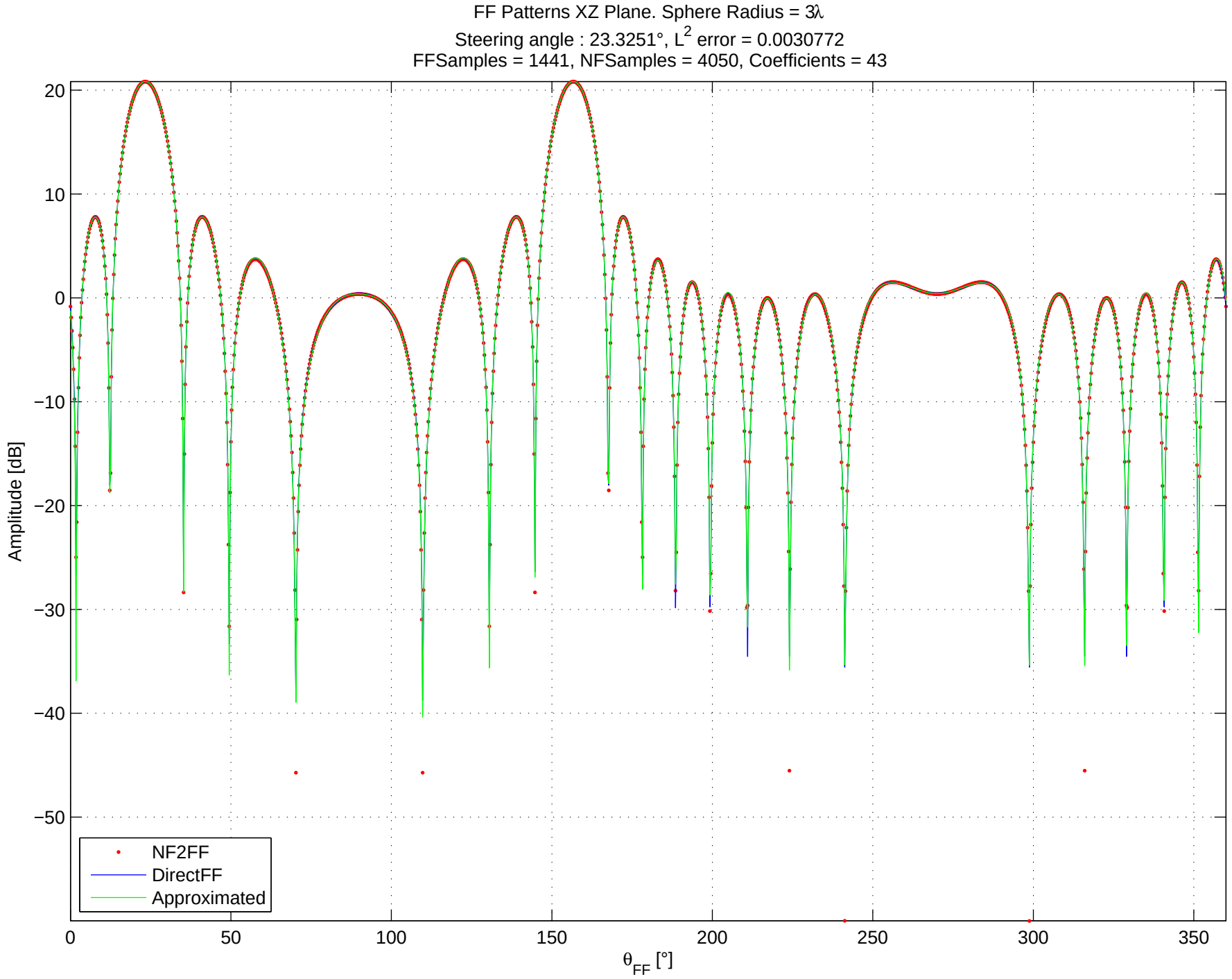

Operator relative L2 error, Coefficients = 49
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
0
50
100
150
200
250
300
350
θFF [°]

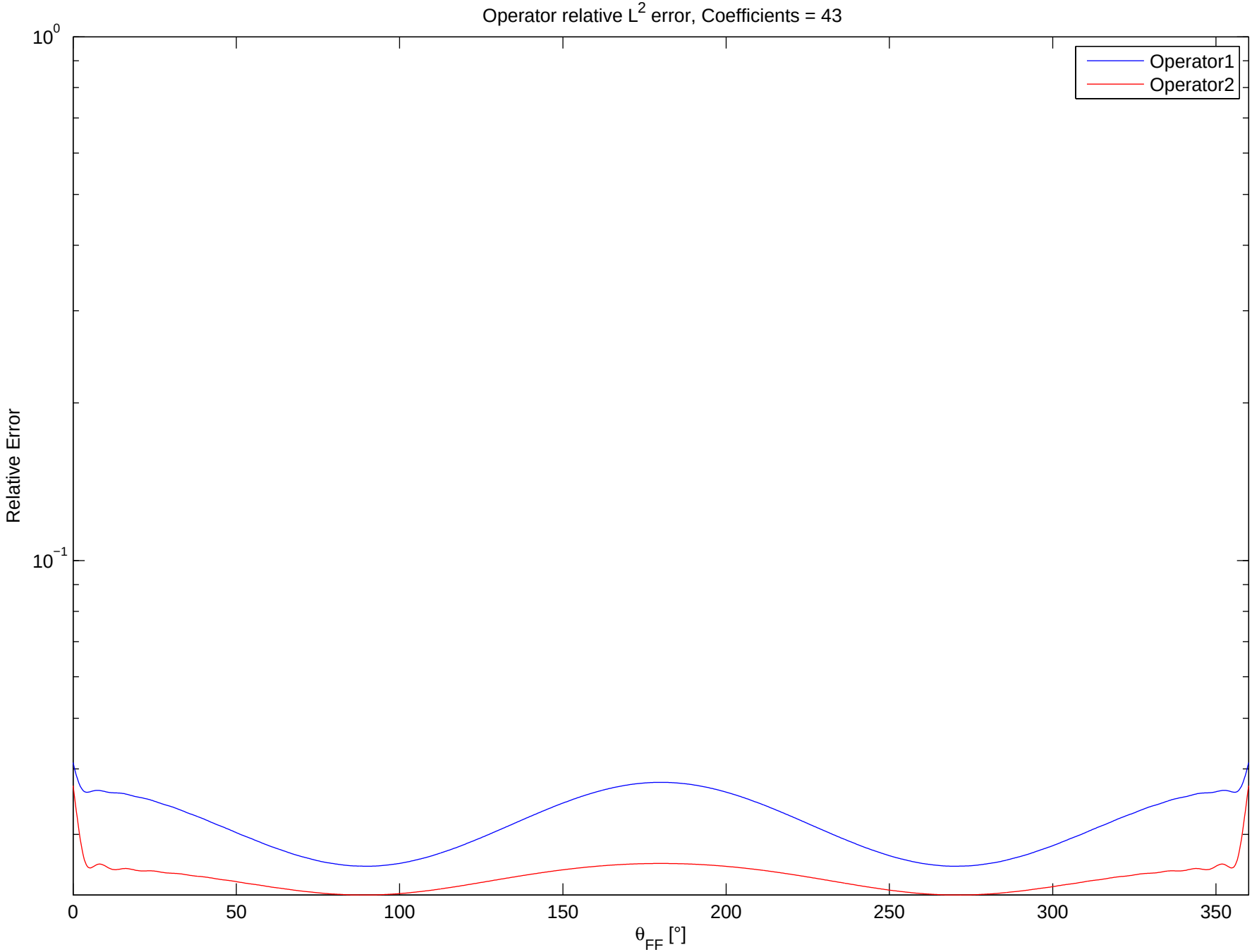

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0021617
FFSamples = 1441, NFSamples = 4050, Coefficients = 47
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

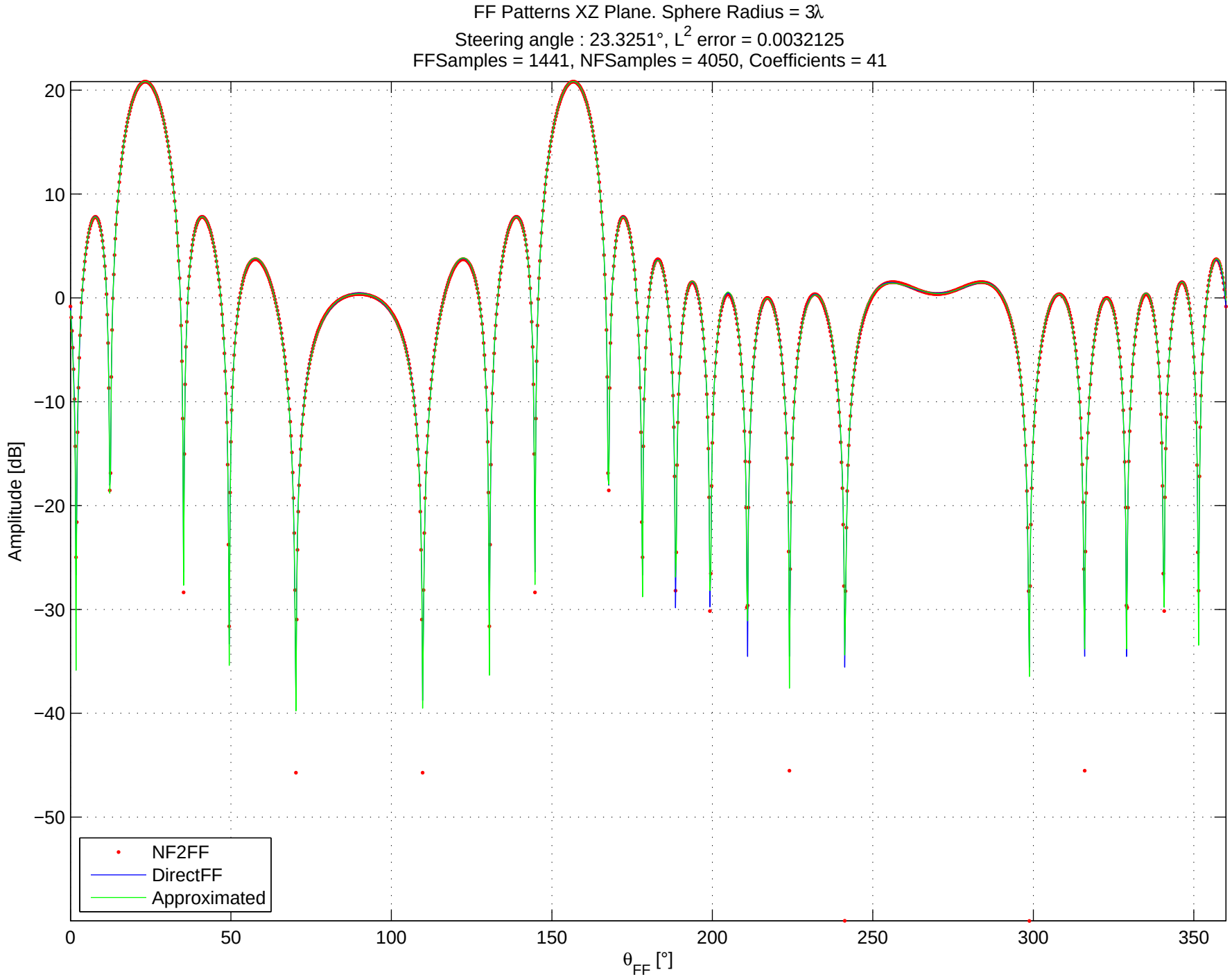

Operator relative L2 error, Coefficients = 47
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
0
50
100
150
200
250
300
350
θFF [°]

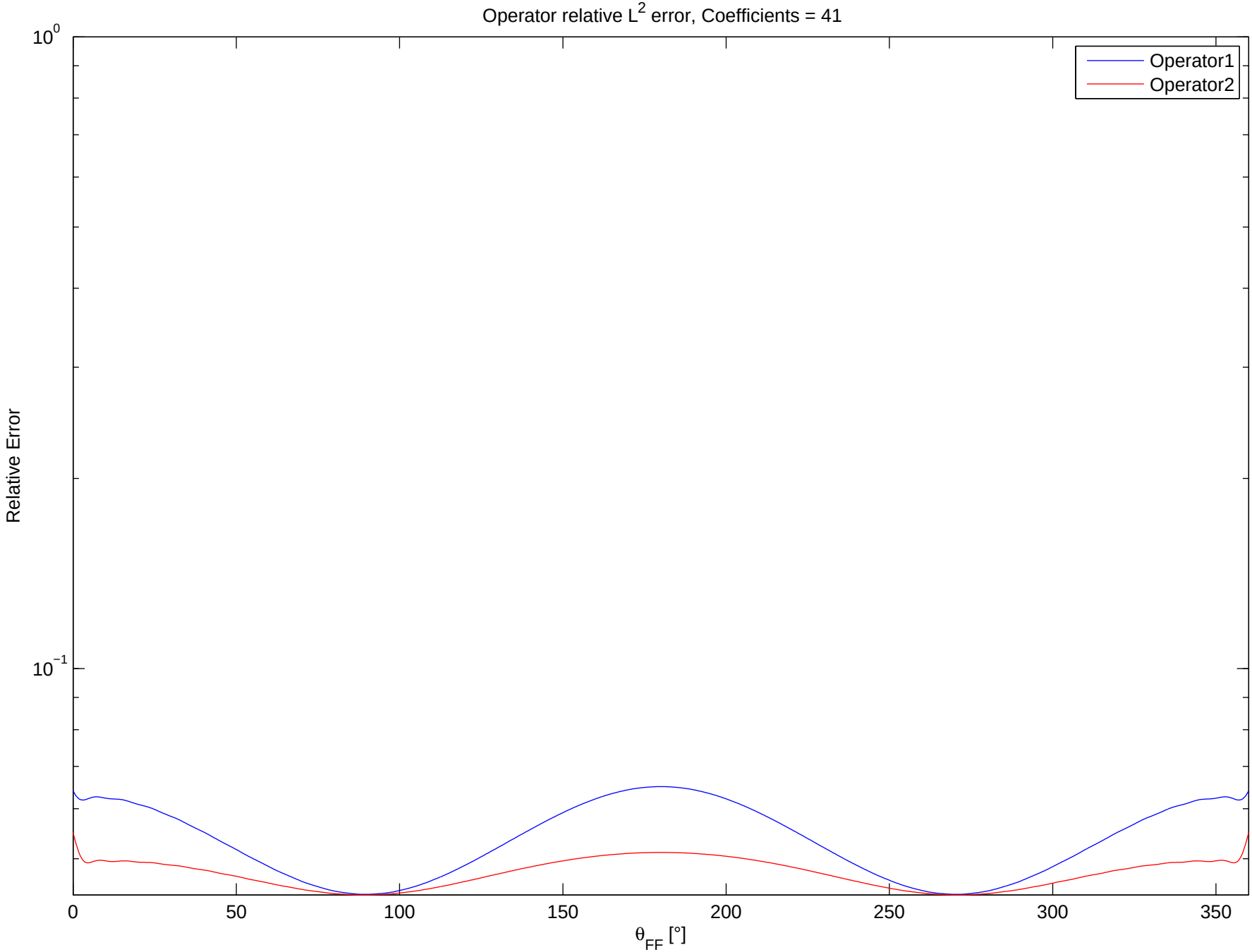

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0022918
FFSamples = 1441, NFSamples = 4050, Coefficients = 45
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

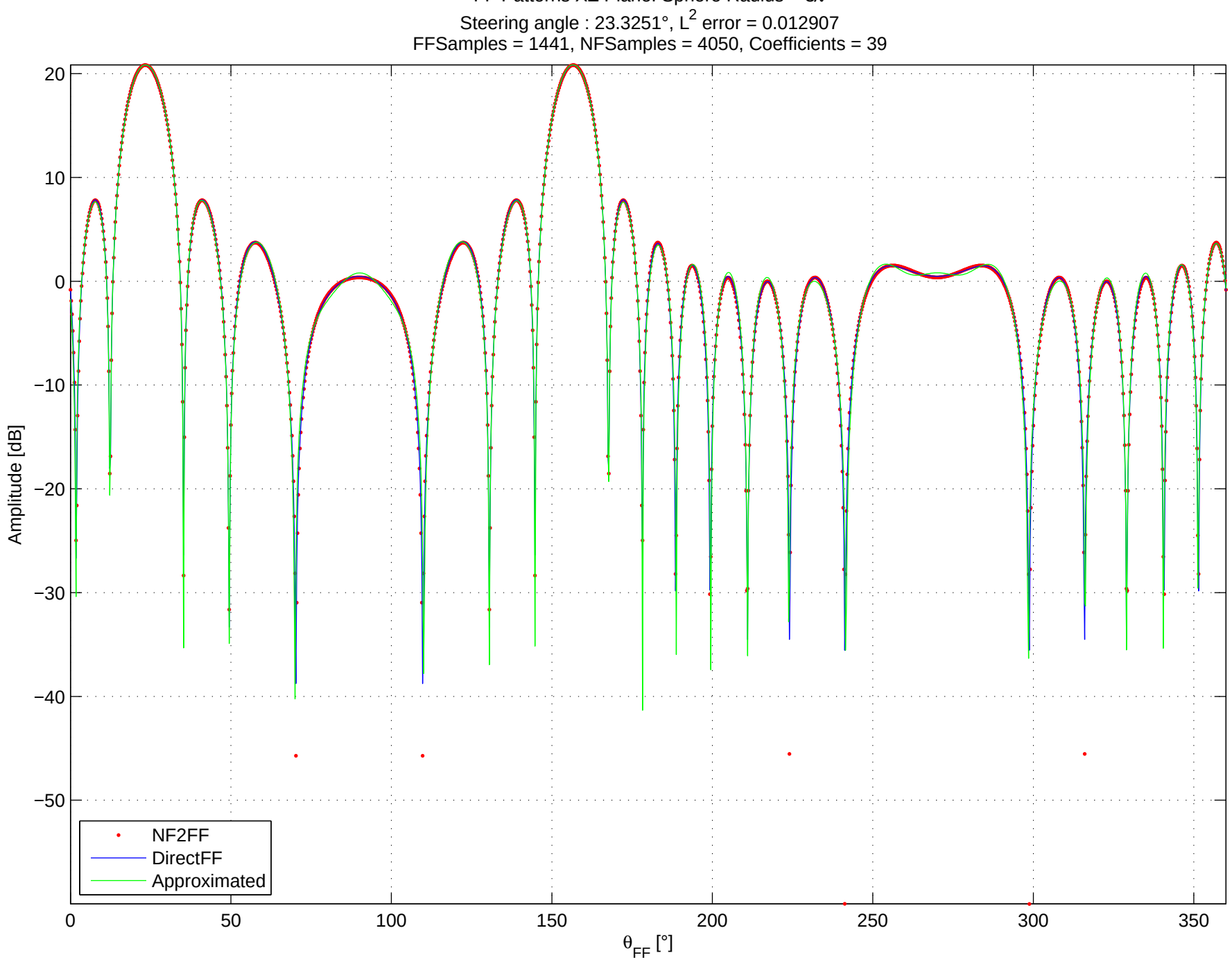

Operator relative L2 error, Coefficients = 45
Operator1
Operator2
Relative Error
10^0
10^-1
0
50
100
150
200
250
300
350
θFF [°]

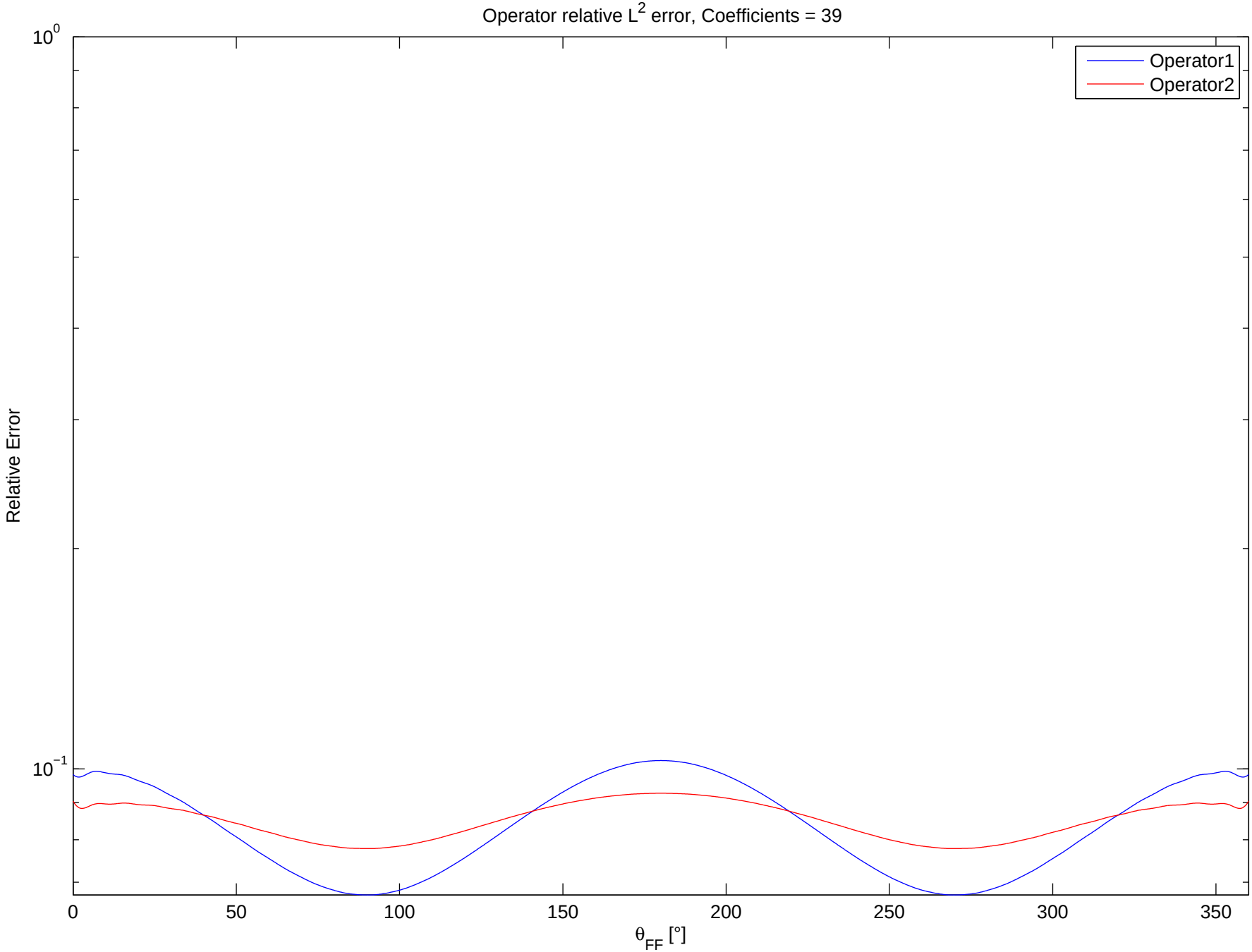

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0030772
FFSamples = 1441, NFSamples = 4050, Coefficients = 43
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

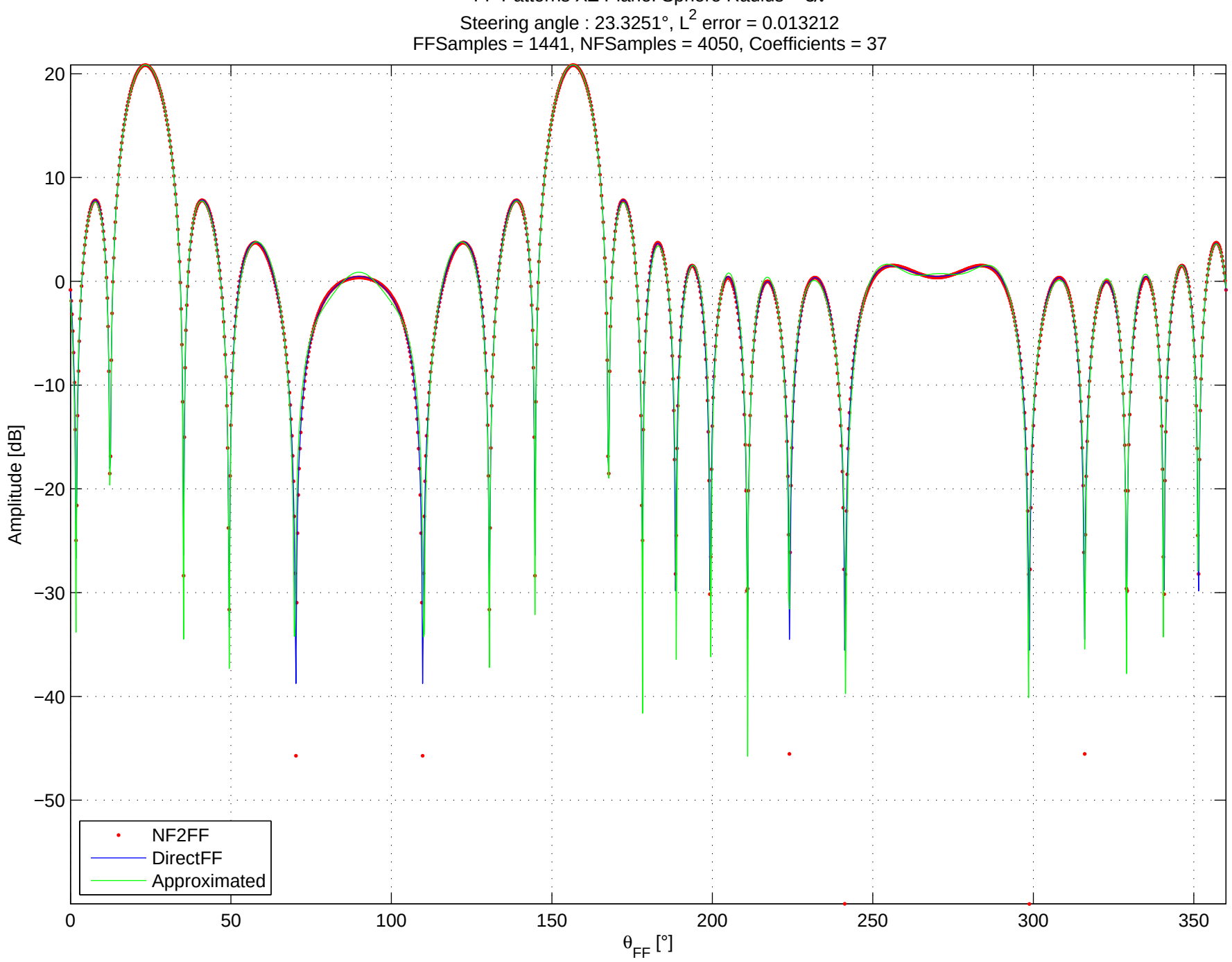

Operator relative L2 error, Coefficients = 43
Operator1
Operator2
Relative Error
10^0
10^-1
0
50
100
150
200
250
300
350
θFF [°]

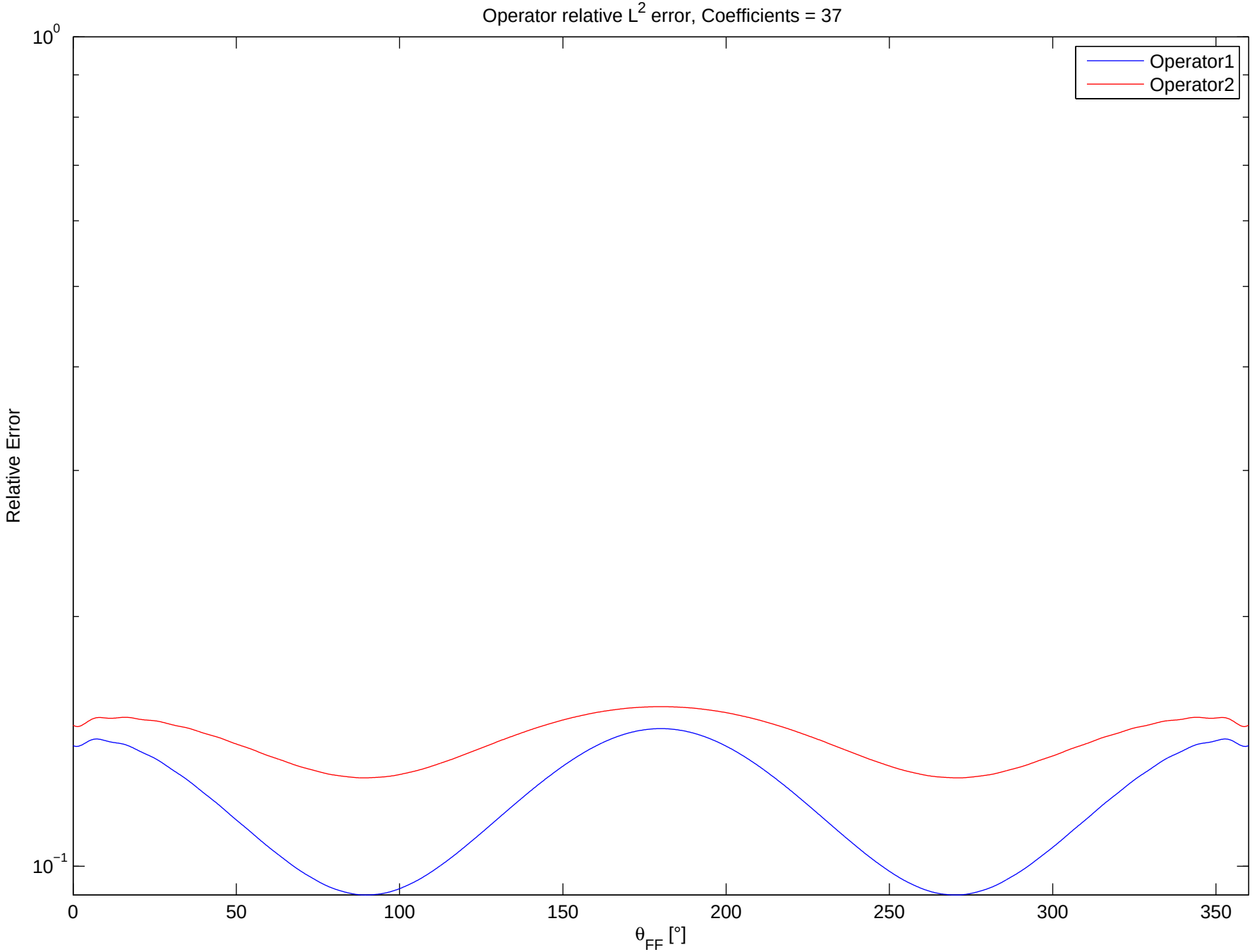

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0032125
FFSamples = 1441, NFSamples = 4050, Coefficients = 41
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

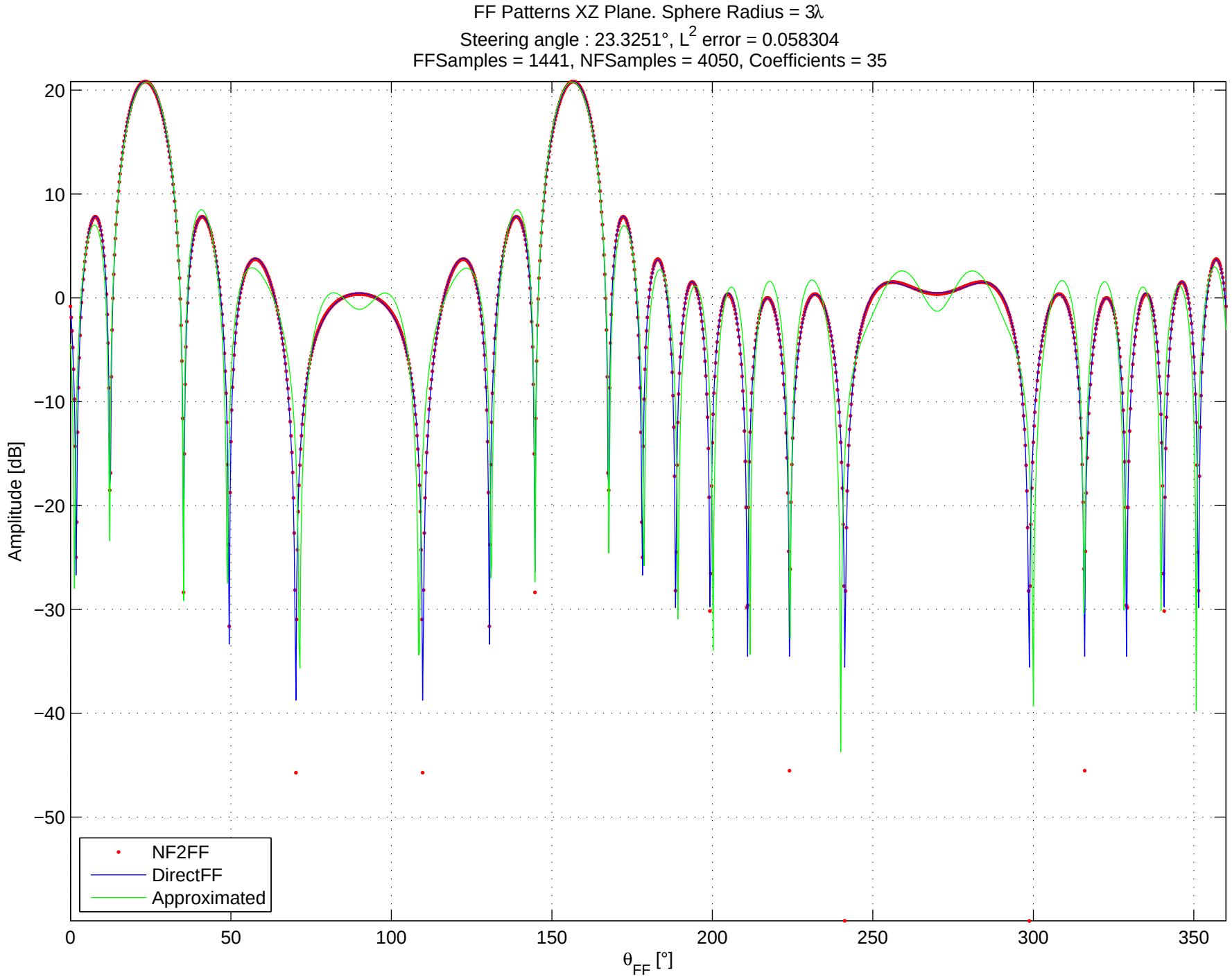

Operator relative L2 error, Coefficients = 41
Operator1
Operator2
Relative Error
10^0
10^-1
0
50
100
150
200
250
300
350
θFF [°]

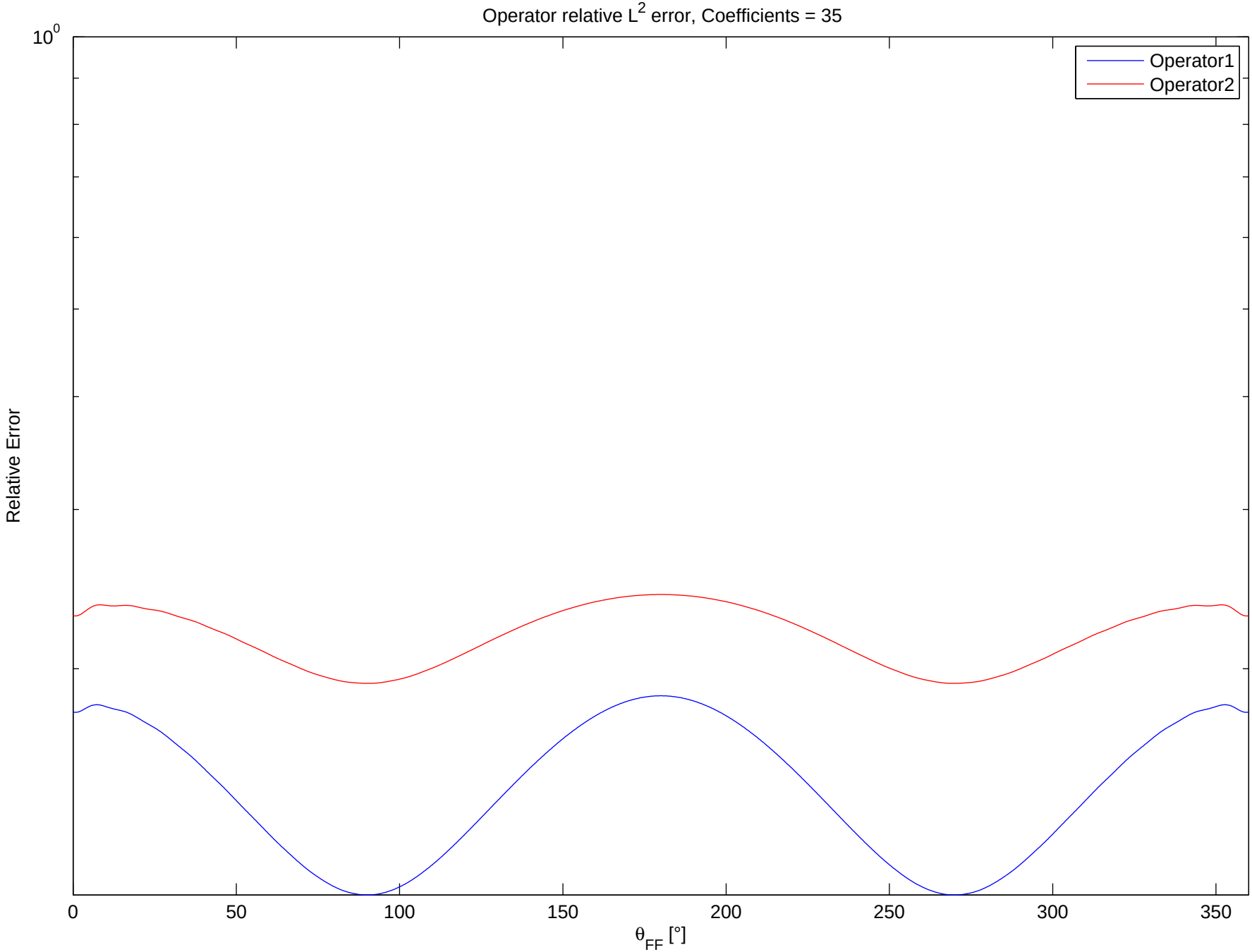

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.012907
FFSamples = 1441, NFSamples = 4050, Coefficients = 39
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

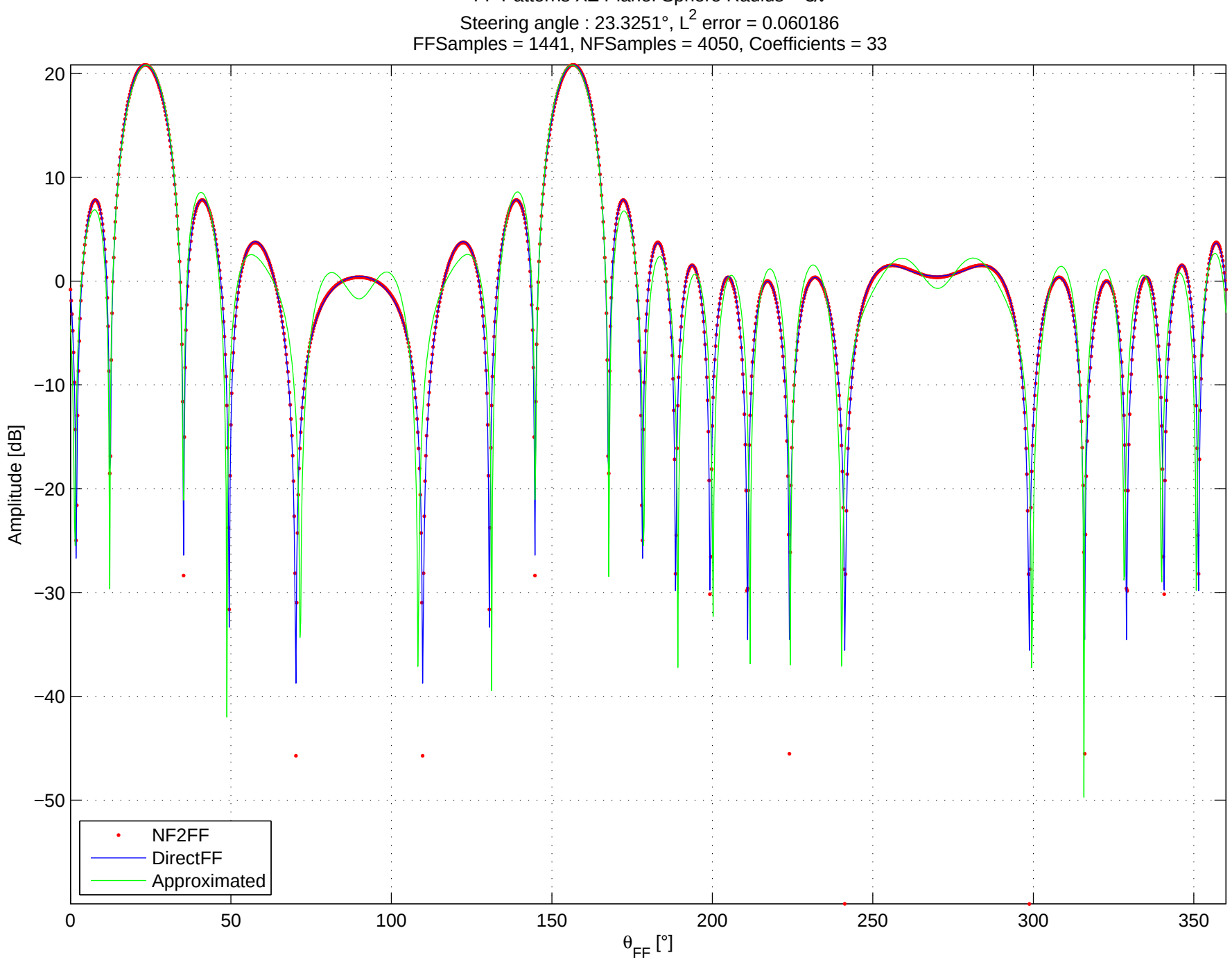

Operator relative L2 error, Coefficients = 39
Operator1
Operator2
Relative Error
10^0
10^-1
0
50
100
150
200
250
300
350
θFF [°]

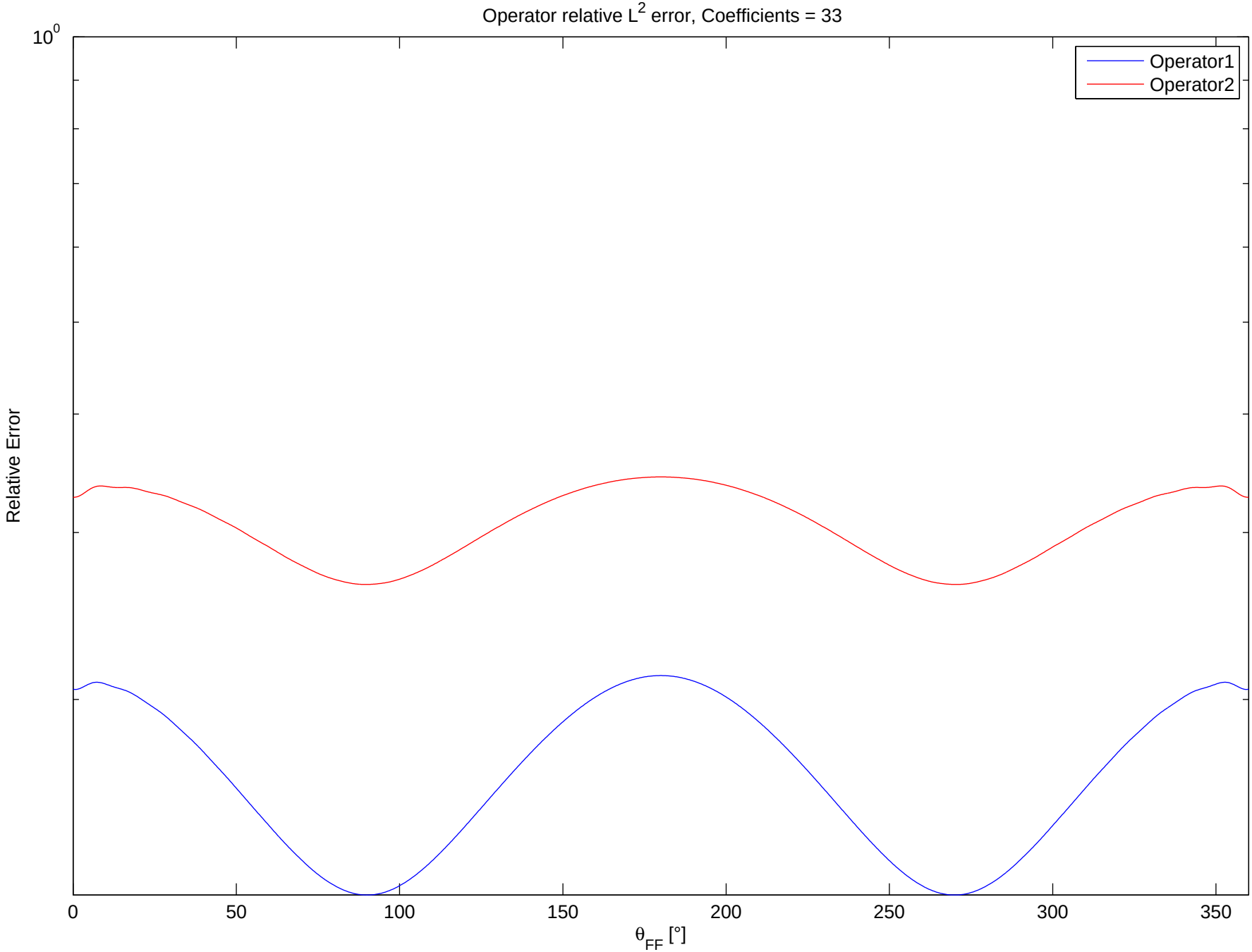

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.013212
FFSamples = 1441, NFSamples = 4050, Coefficients = 37
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

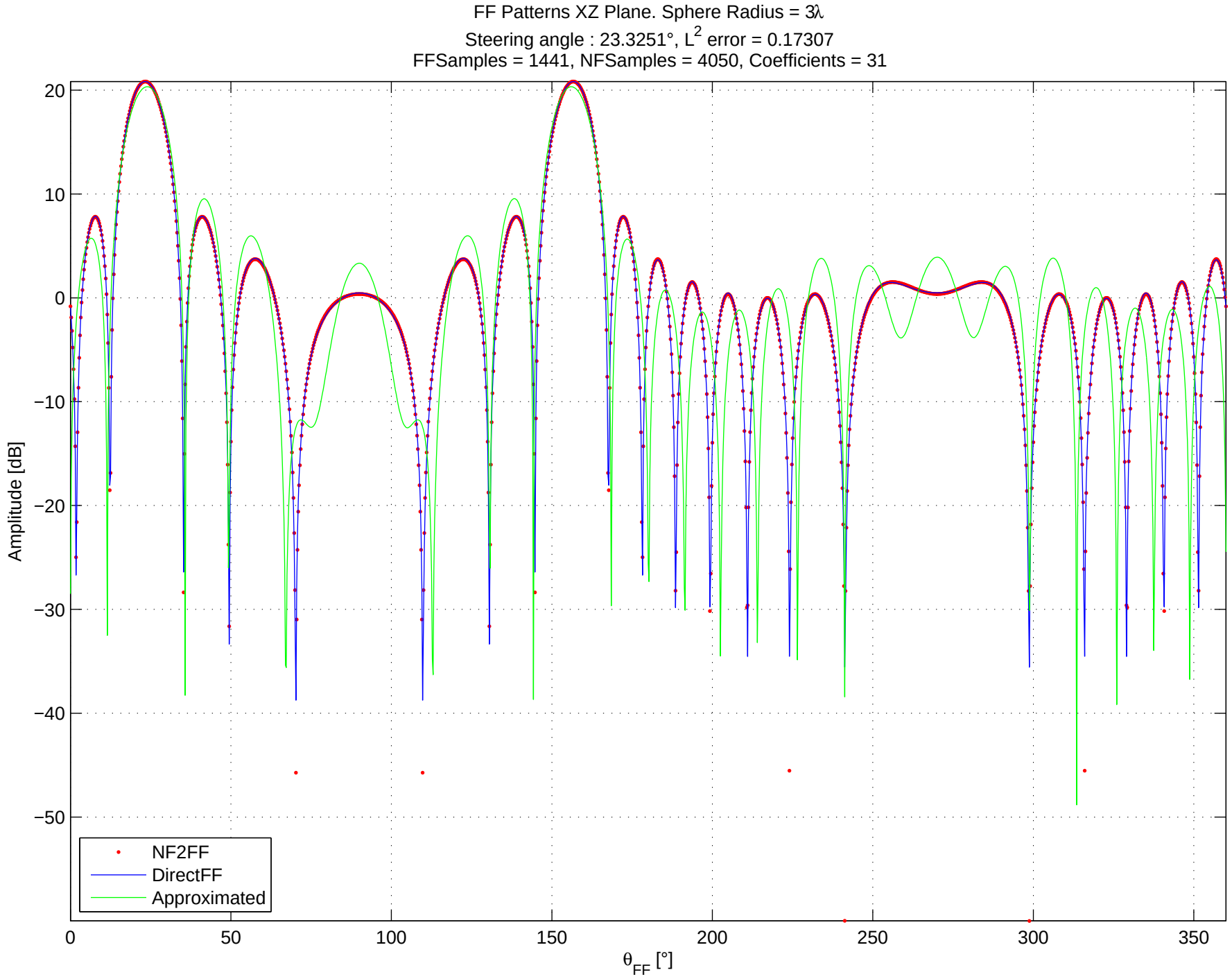

Operator relative L2 error, Coefficients = 37
Operator1
Operator2
Relative Error
10^0
10^-1
0
50
100
150
200
250
300
350
θFF [°]

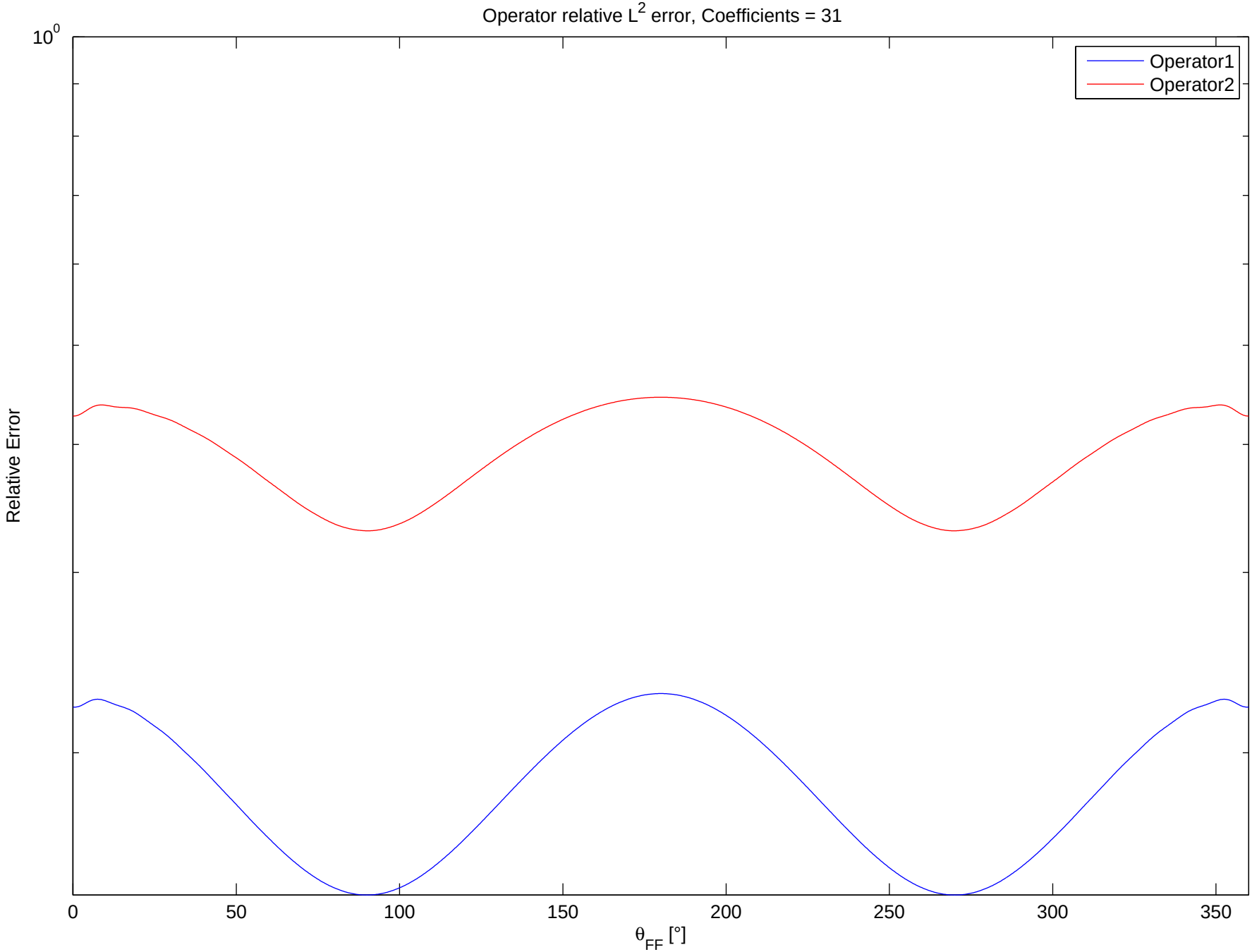

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.058304
FFSamples = 1441, NFSamples = 4050, Coefficients = 35
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

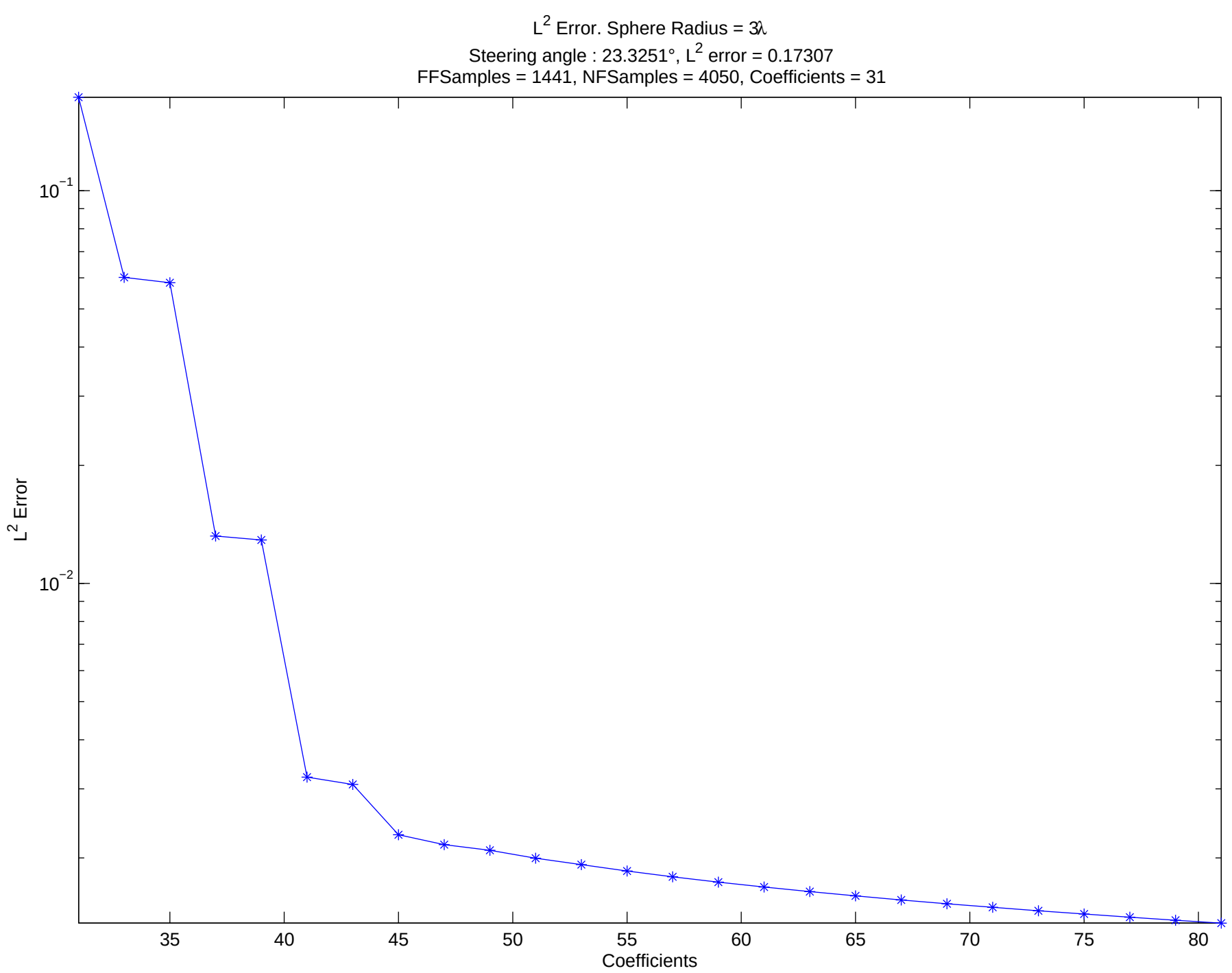

Operator relative L2 error, Coefficients = 35
10^0
Relative Error
Operator1
Operator2
0
50
100
150
200
250
300
350
θFF [°]

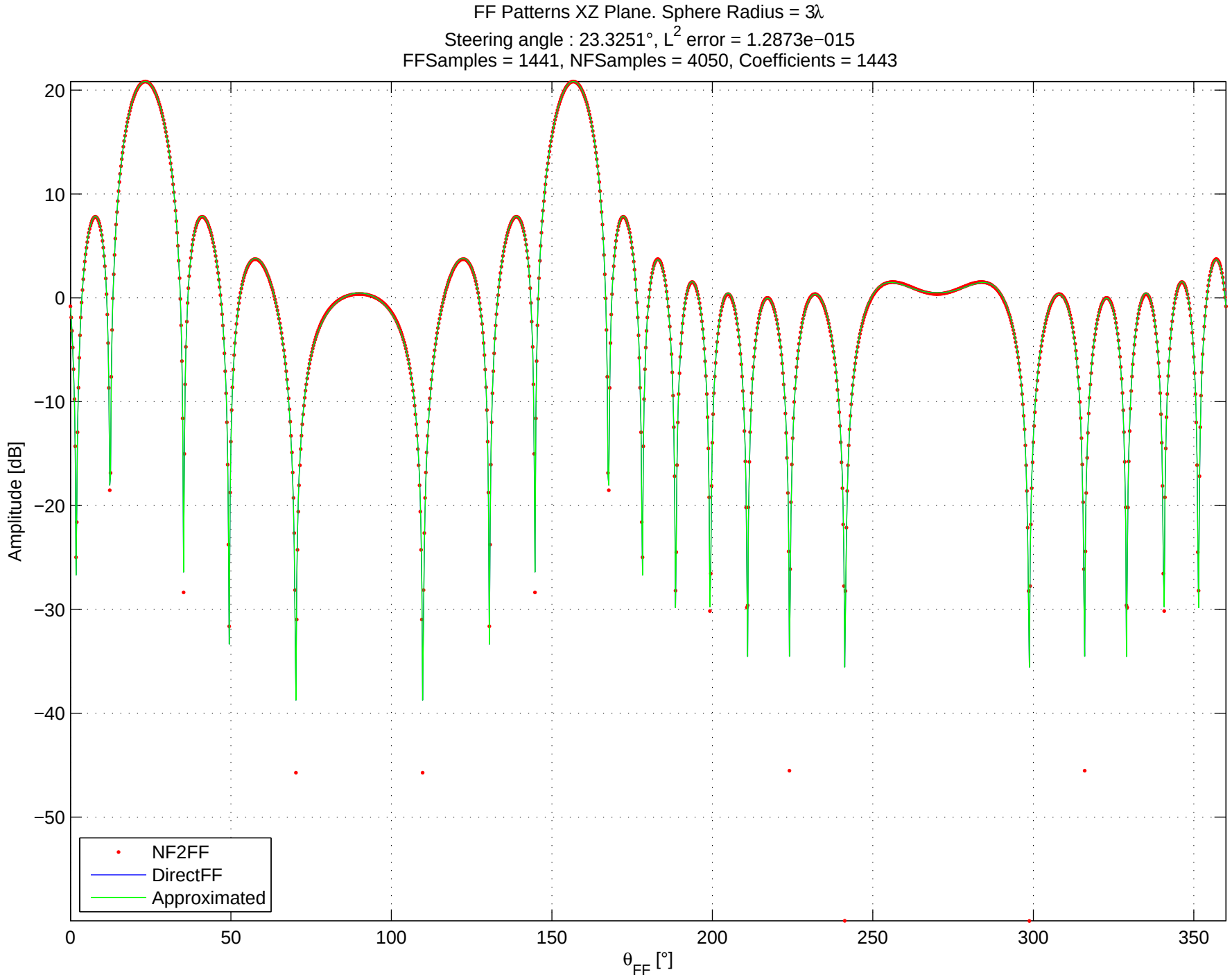

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.060186
FFSamples = 1441, NFSamples = 4050, Coefficients = 33
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

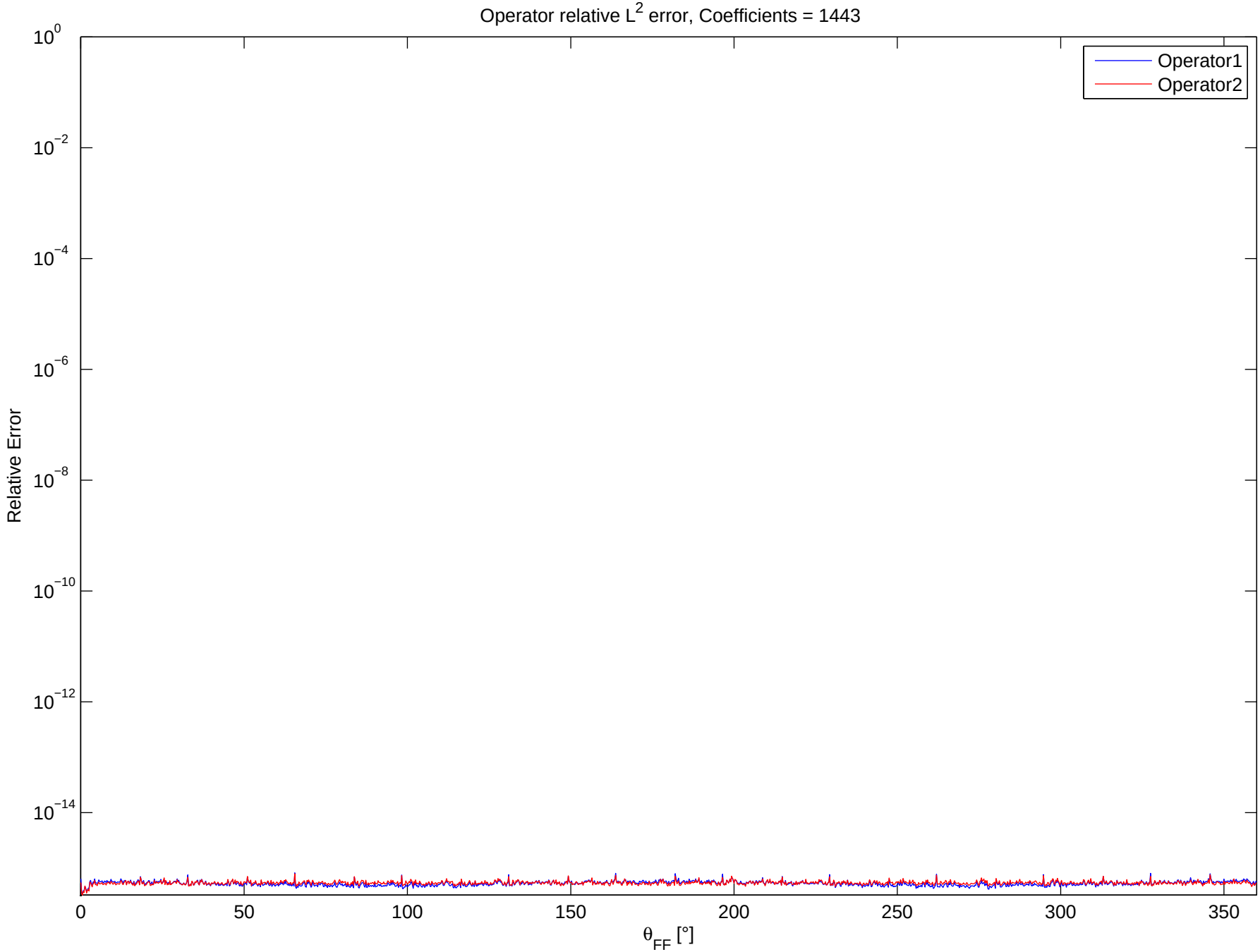

Operator relative L2 error, Coefficients = 33
10^0
Relative Error
Operator1
Operator2
0
50
100
150
200
250
300
350
θFF [°]

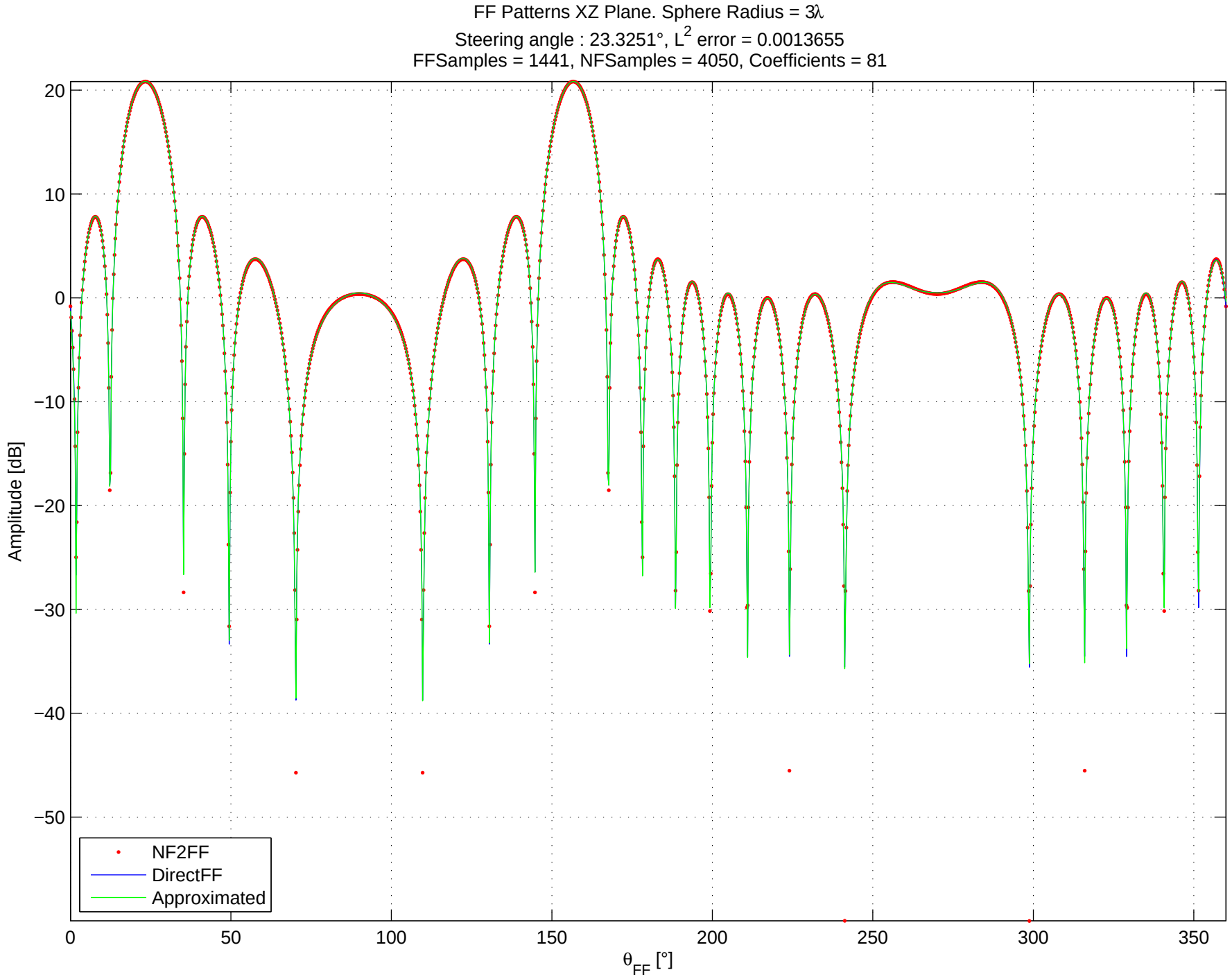

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.17307
FFSamples = 1441, NFSamples = 4050, Coefficients = 31
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

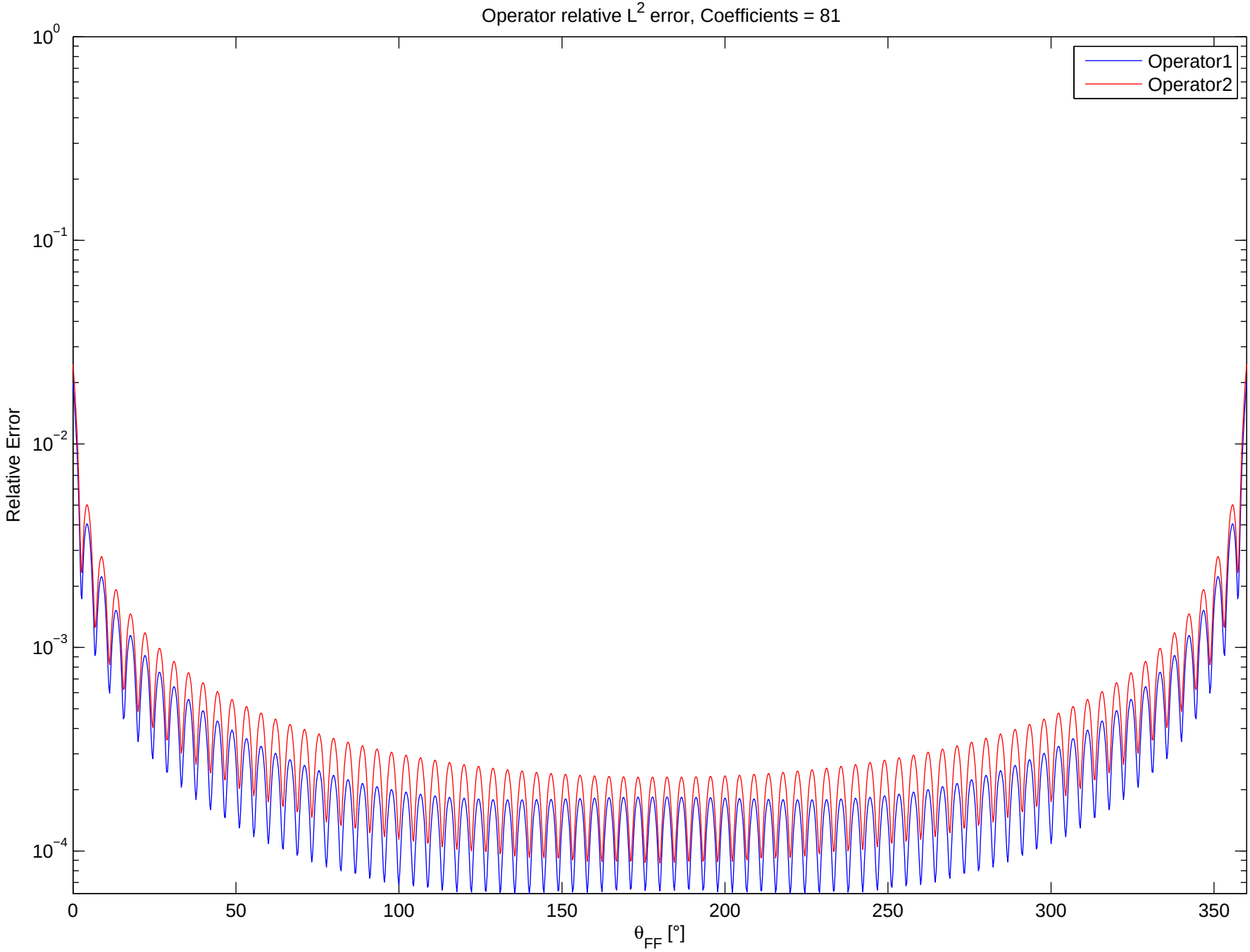

Operator relative L2 error, Coefficients = 31
10^0
Relative Error
Operator1
Operator2
0
50
100
150
200
250
300
350
θFF [°]

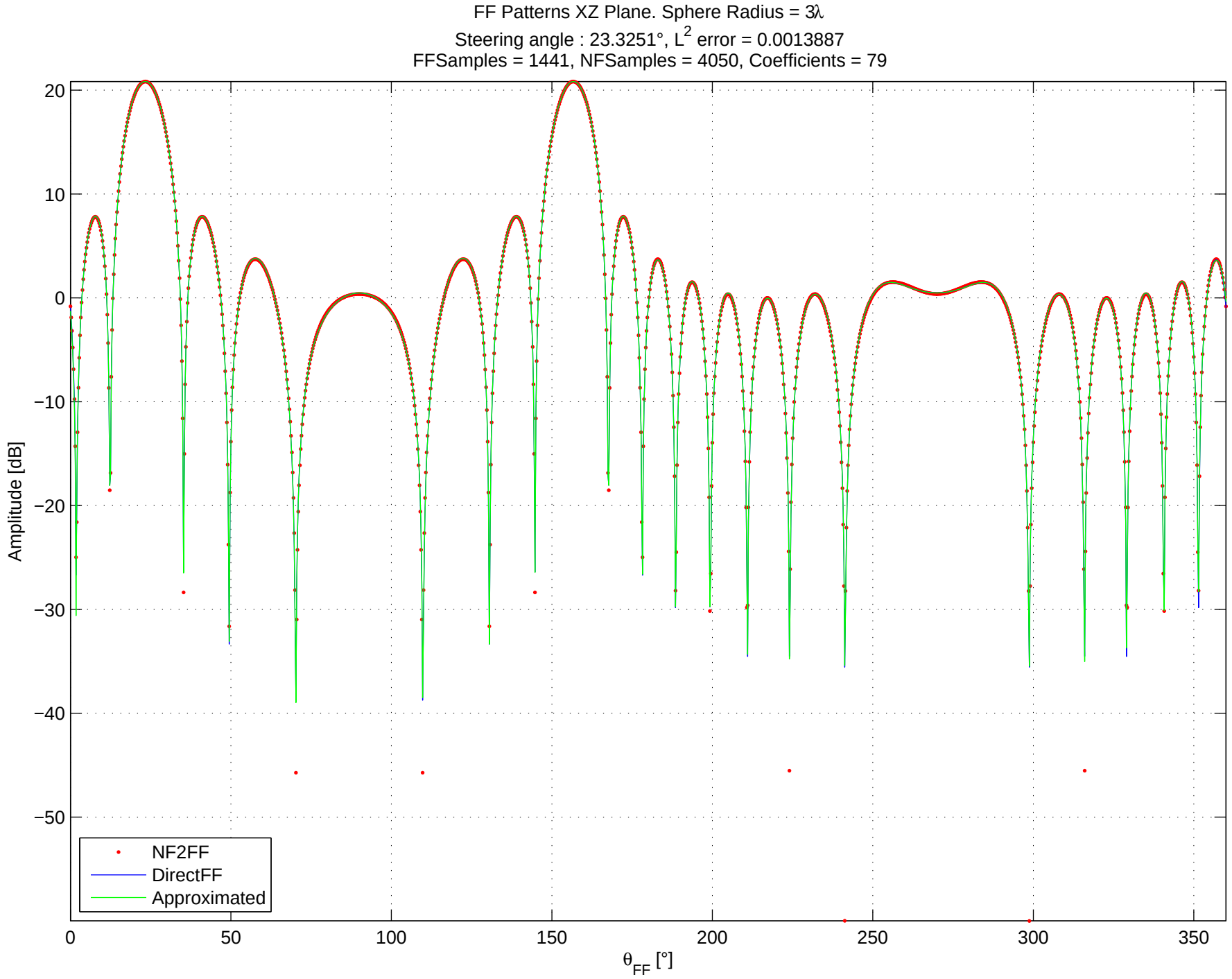

L2 Error. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.17307
FFSamples = 1441, NFSamples = 4050, Coefficients = 31
10−1
10−2
L2 Error
35
40
45
50
55
60
65
70
75
80
Coefficients

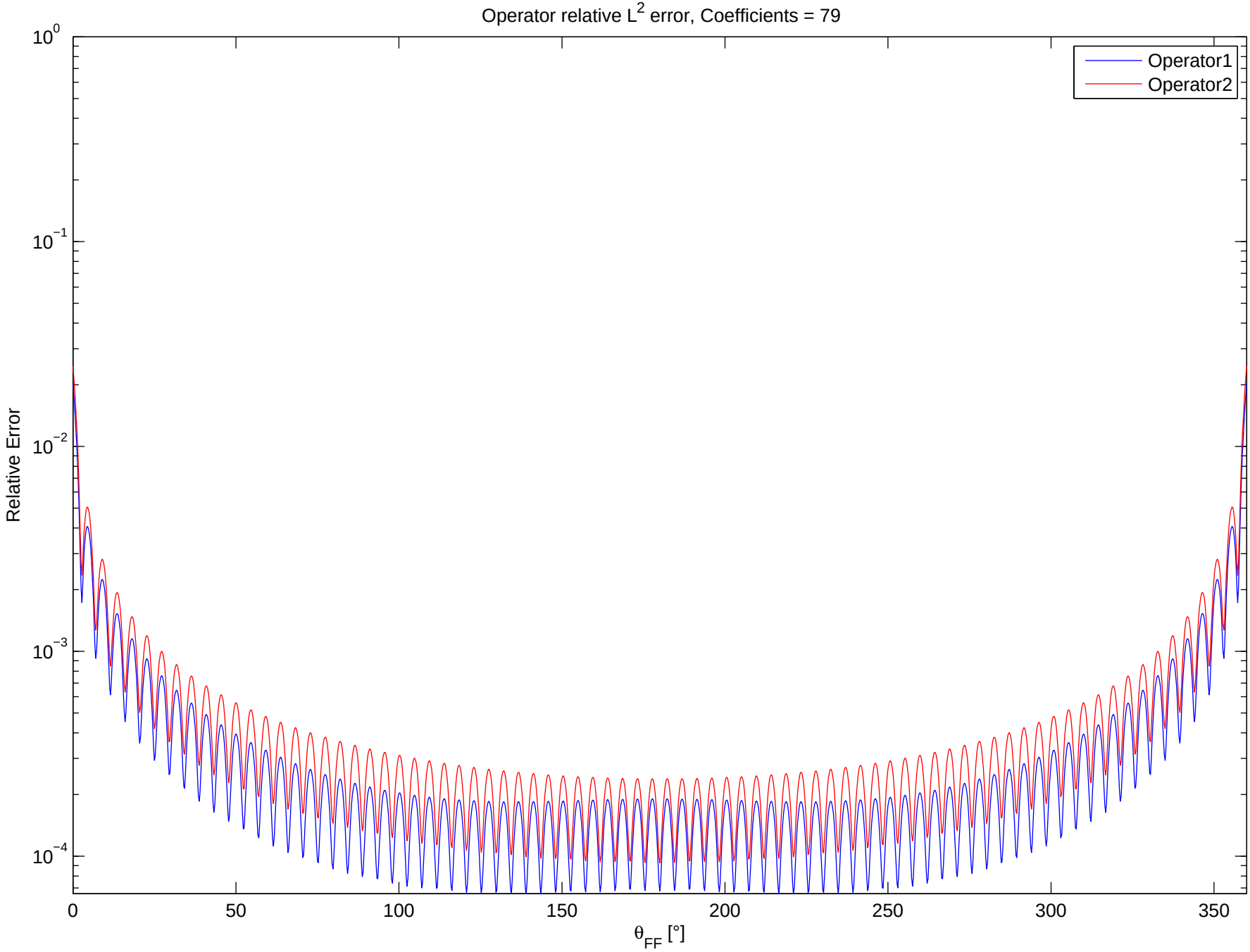

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 1.2873e−015
FFSamples = 1441, NFSamples = 4050, Coefficients = 1443
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

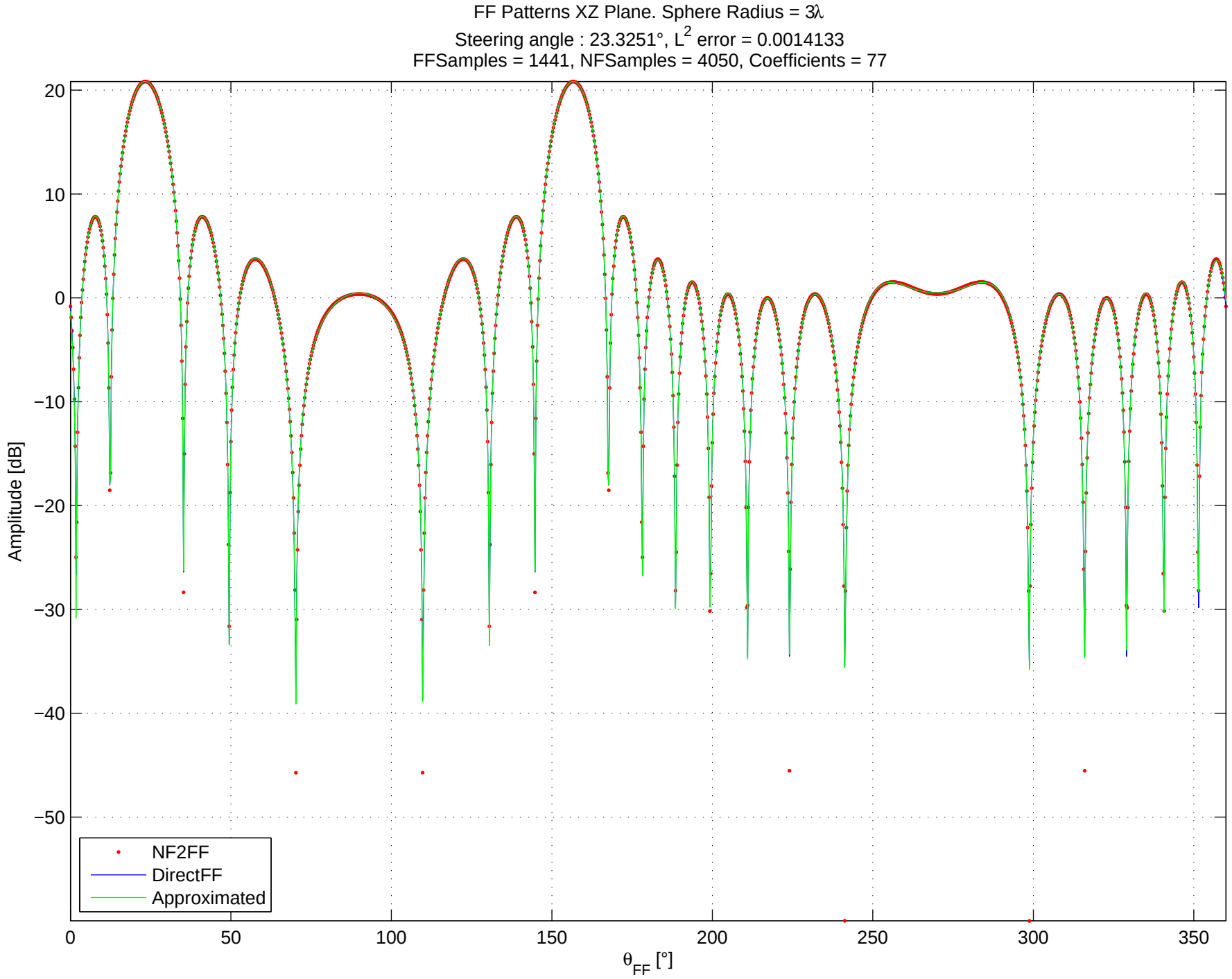

Operator relative L2 error, Coefficients = 1443
Operator1
Operator2
Relative Error
10^0
10^−2
10^−4
10^−6
10^−8
10^−10
10^−12
10^−14
0
50
100
150
200
250
300
350
θFF [°]

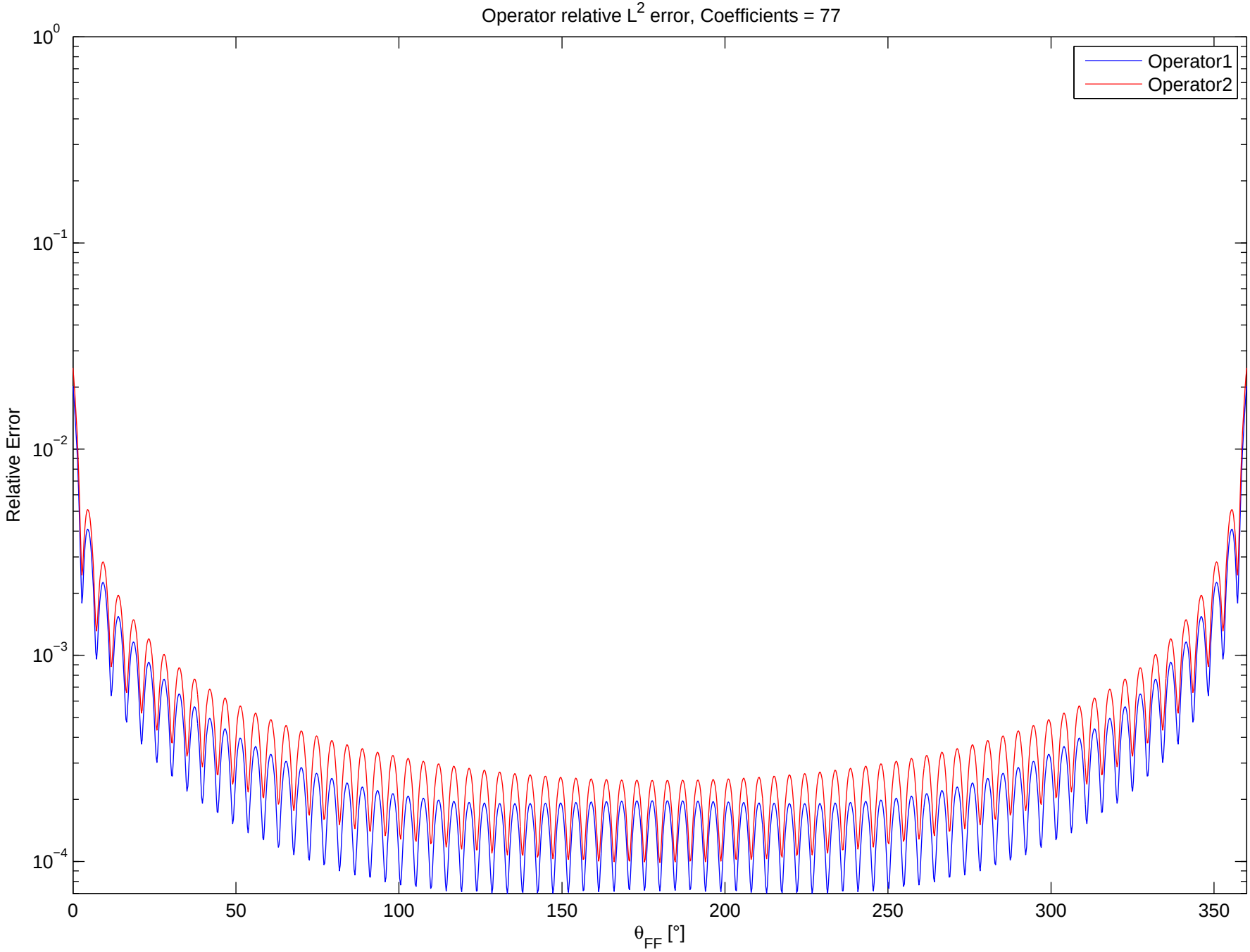

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0013655
FFSamples = 1441, NFSamples = 4050, Coefficients = 81
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

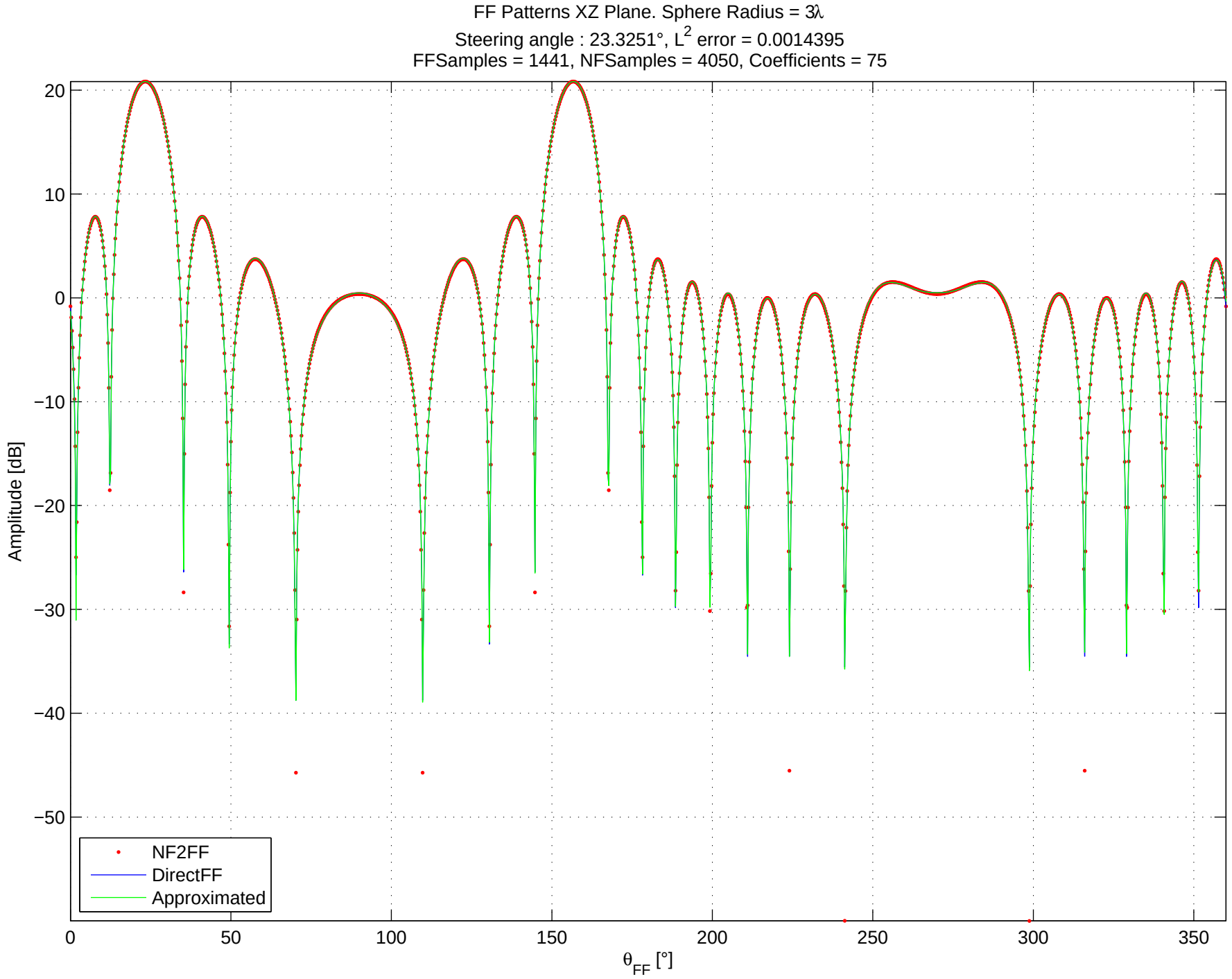

Operator relative L2 error, Coefficients = 81
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
10^-3
10^-4
0
50
100
150
200
250
300
350
θFF [°]

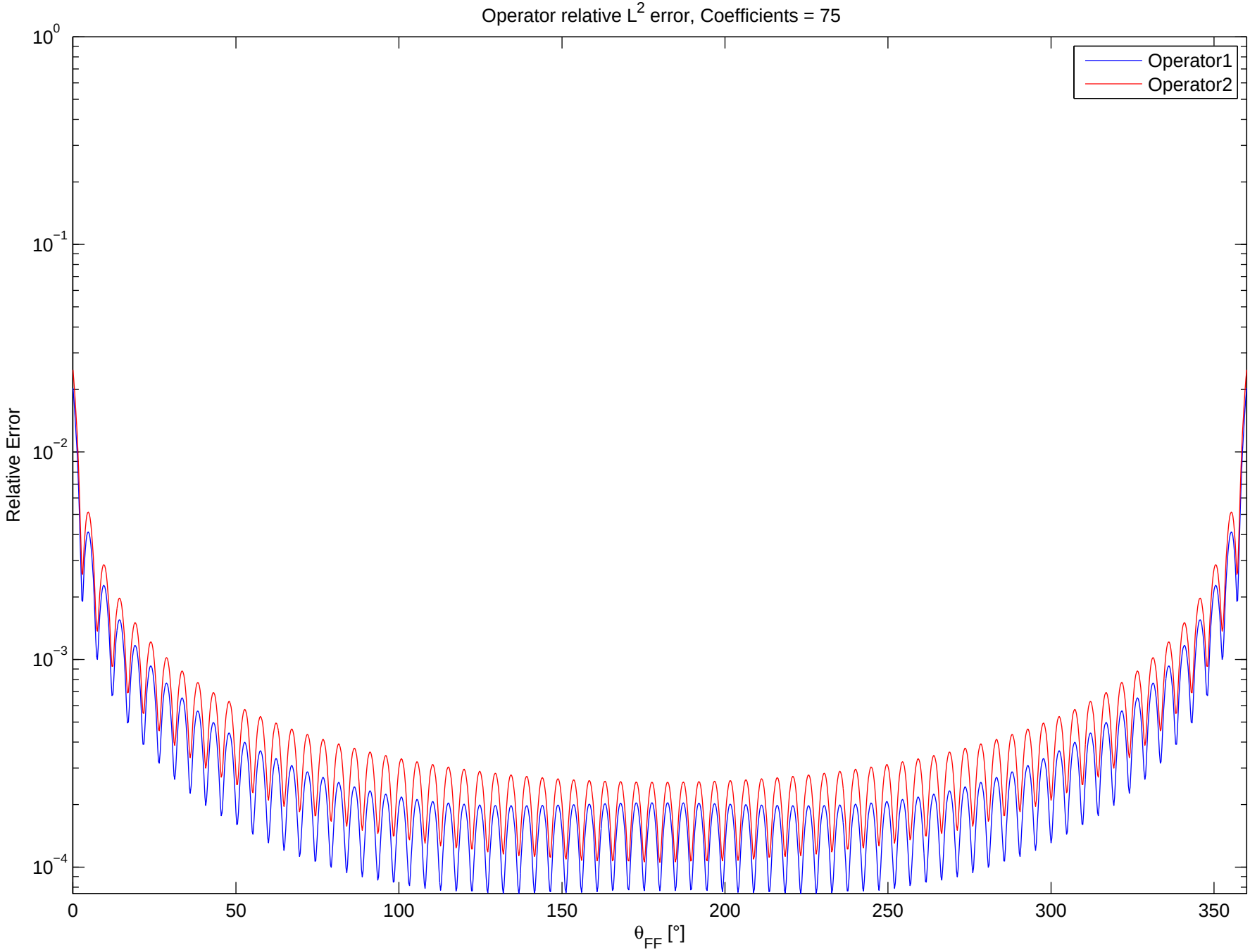

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0013887
FFSamples = 1441, NFSamples = 4050, Coefficients = 79
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

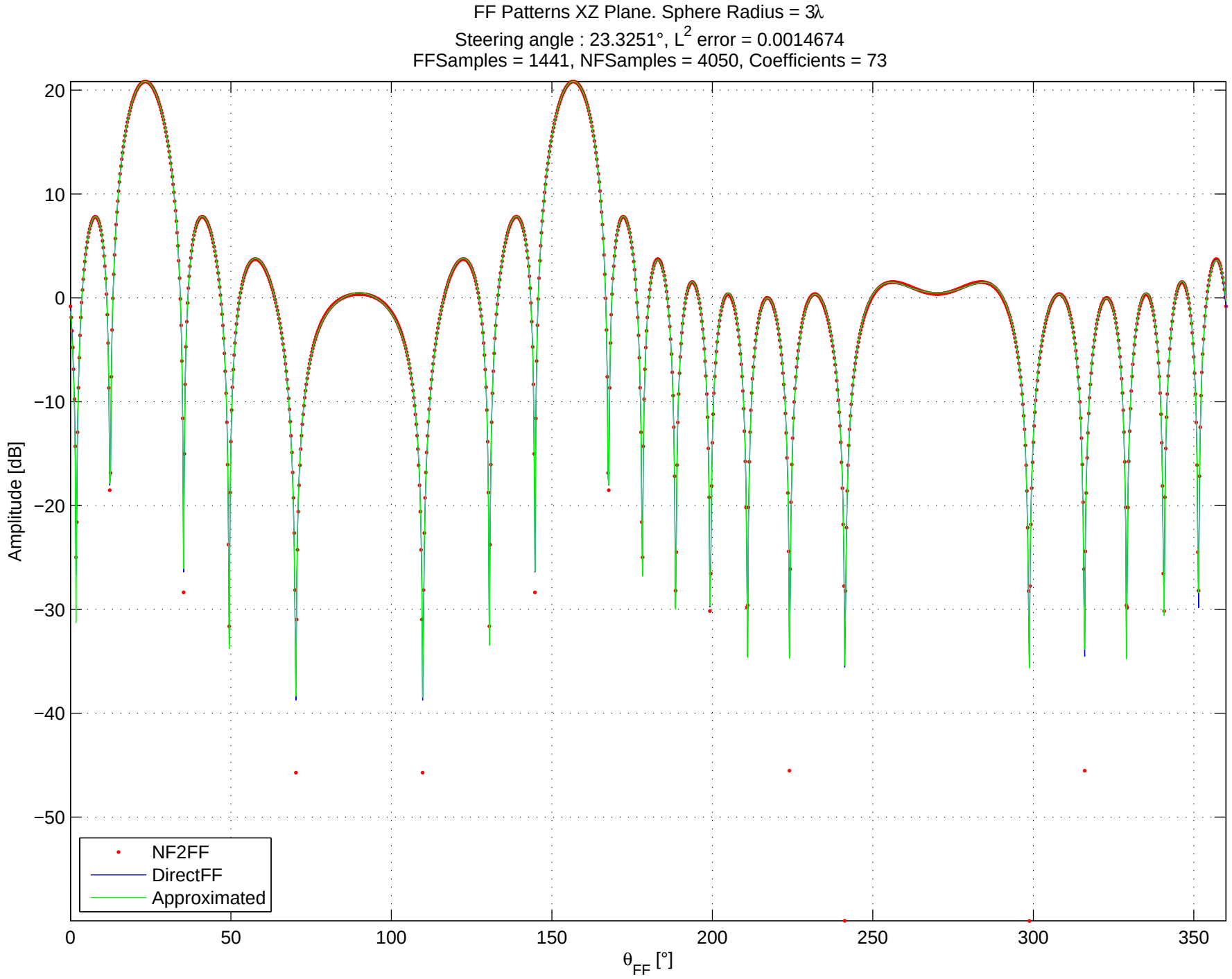

Operator relative L2 error, Coefficients = 79
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
10^-3
10^-4
0
50
100
150
200
250
300
350
θFF [°]

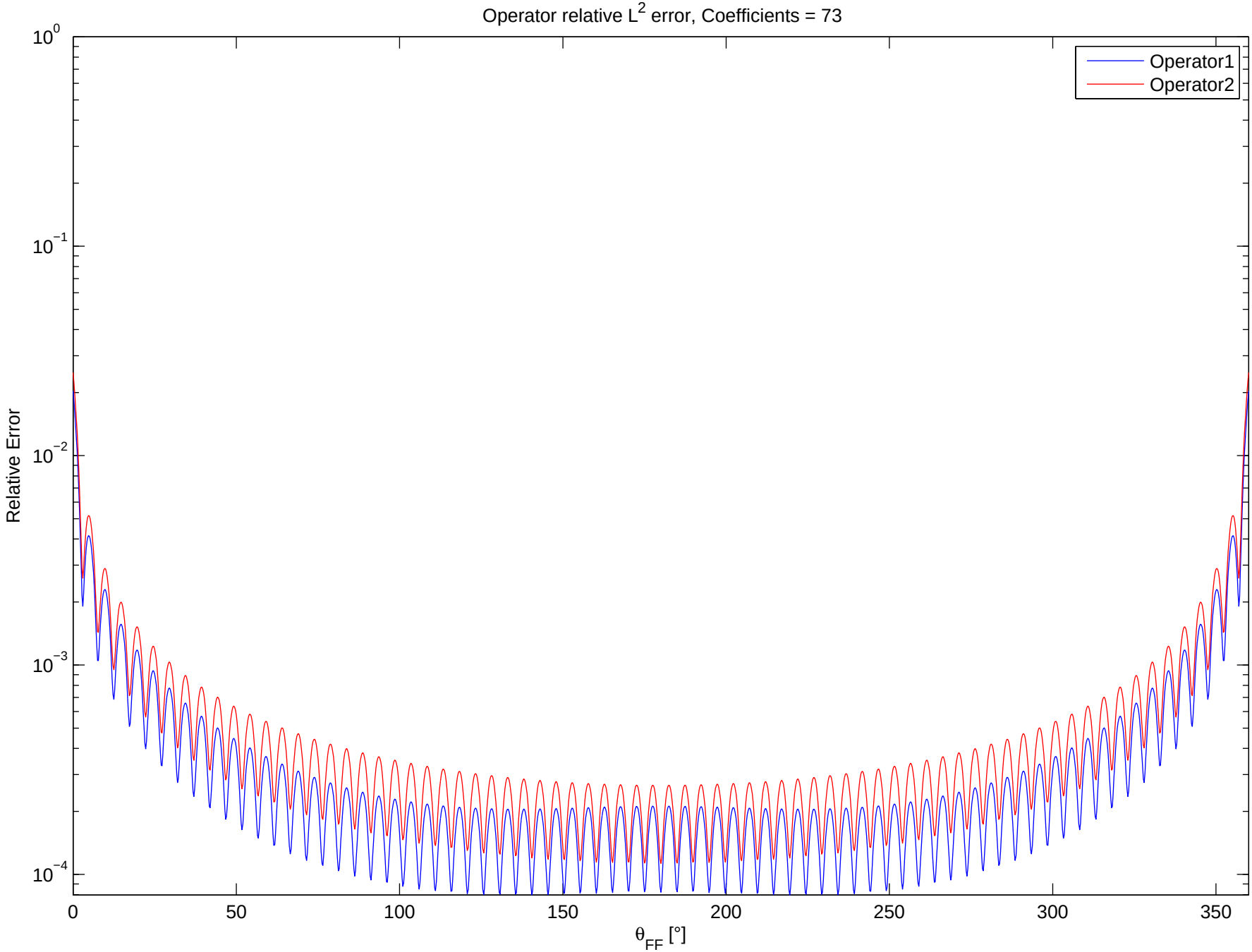

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0014133
FFSamples = 1441, NFSamples = 4050, Coefficients = 77
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

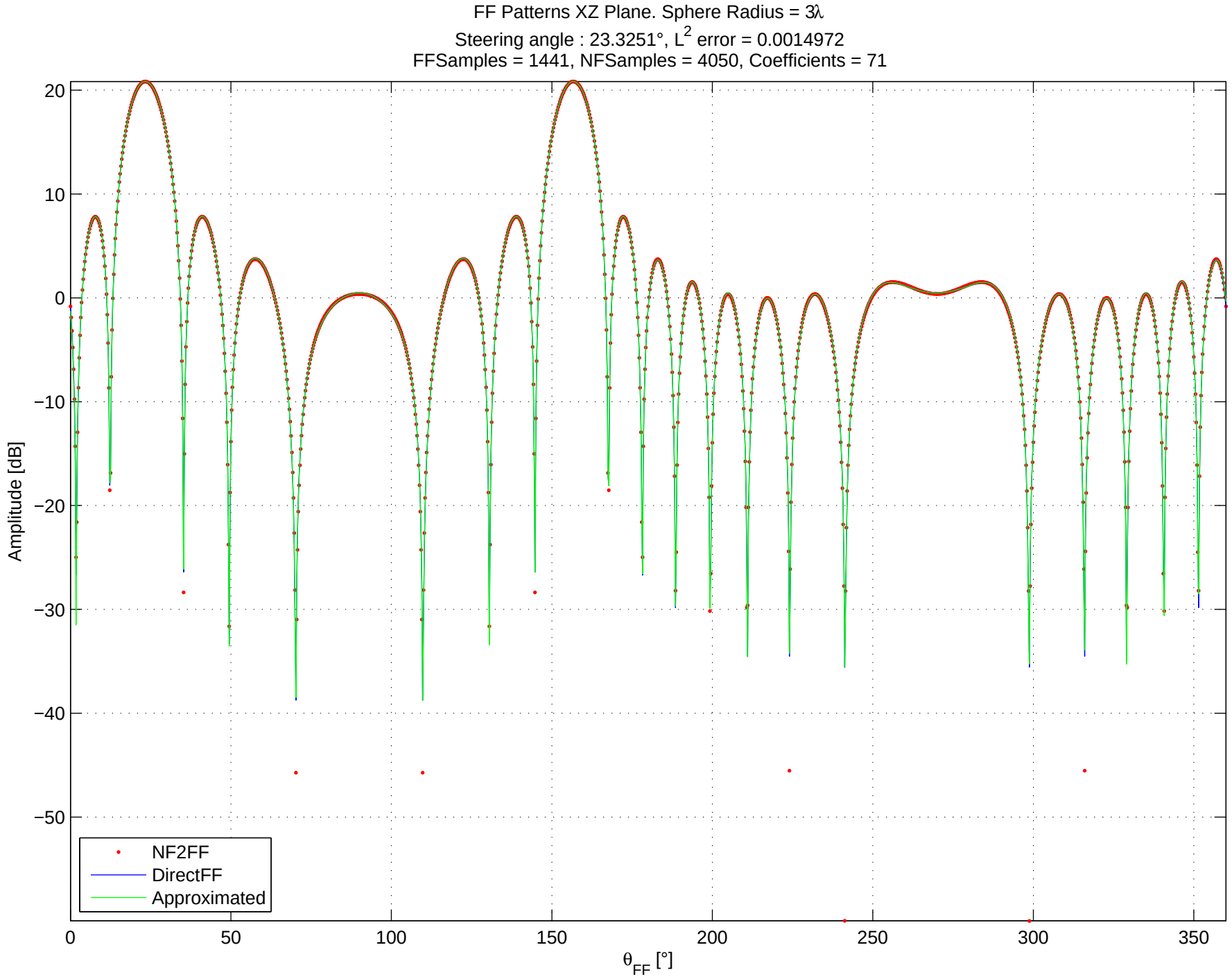

Operator relative L2 error, Coefficients = 77
Operator1
Operator2
Relative Error
θFF [°]
10^0
10^-1
10^-2
10^-3
10^-4
0
50
100
150
200
250
300
350

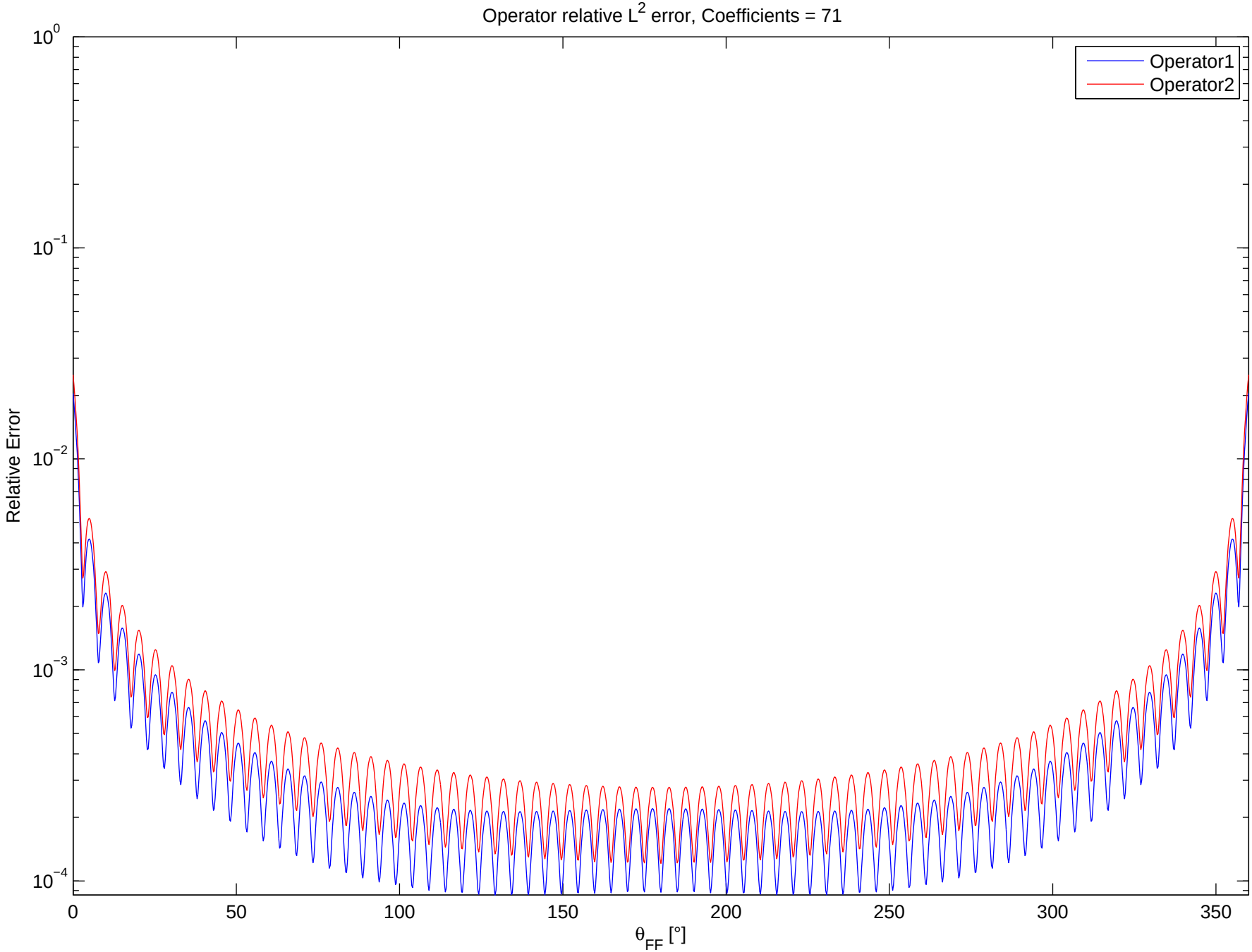

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0014395
FFSamples = 1441, NFSamples = 4050, Coefficients = 75
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

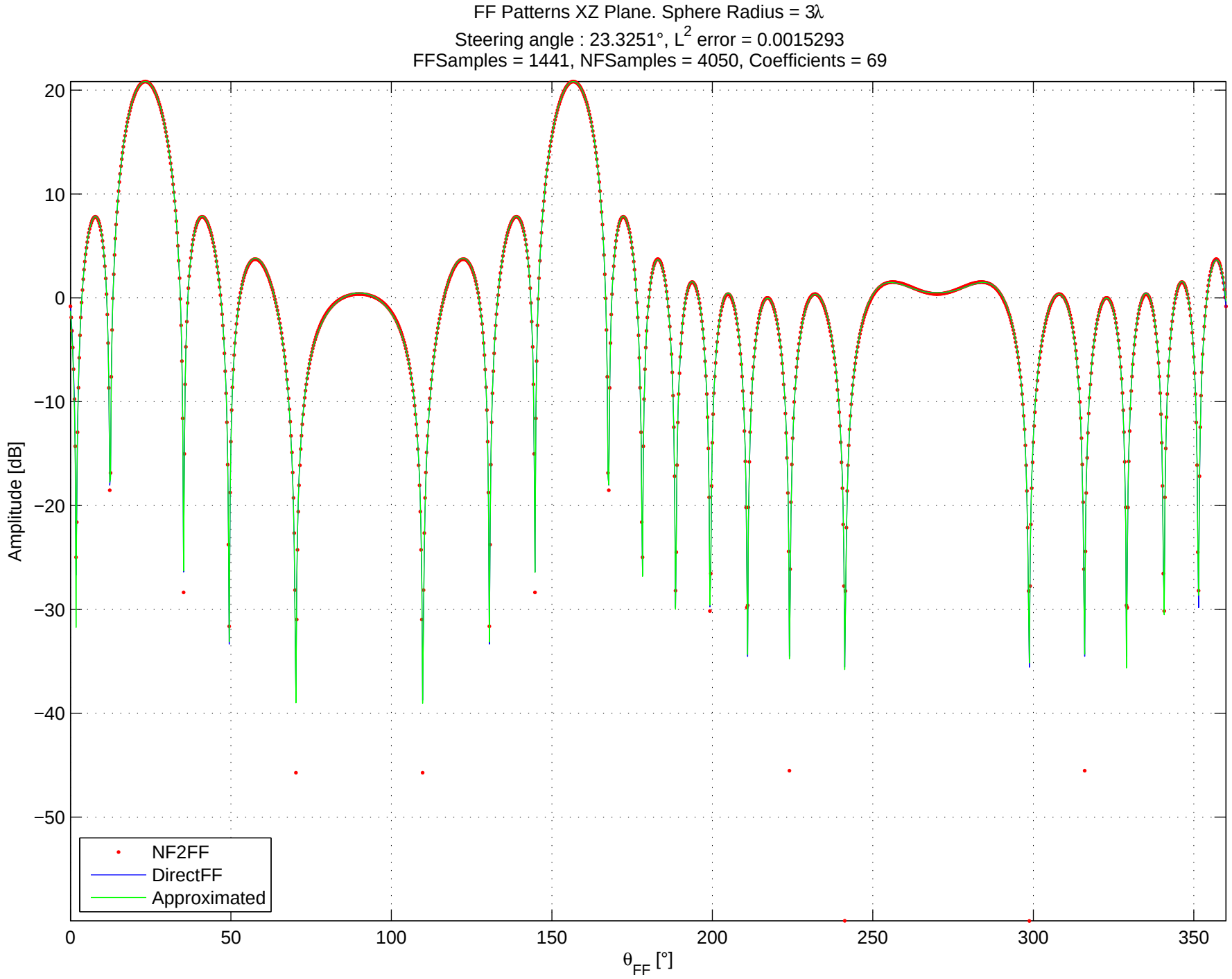

Operator relative L2 error, Coefficients = 75
Operator1
Operator2
Relative Error
θFF [°]
10^0
10^-1
10^-2
10^-3
10^-4
0
50
100
150
200
250
300
350

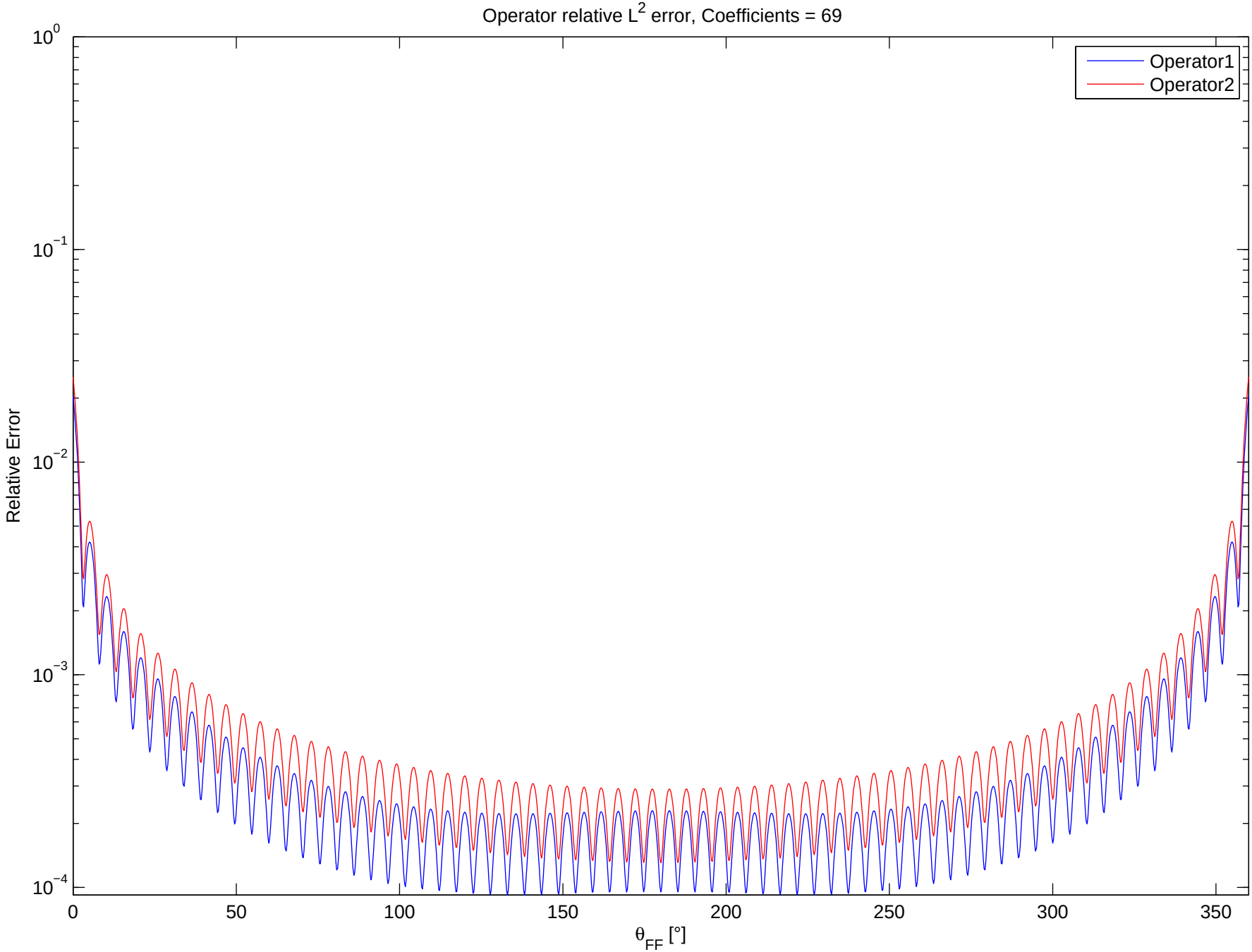

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0014674
FFSamples = 1441, NFSamples = 4050, Coefficients = 73
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

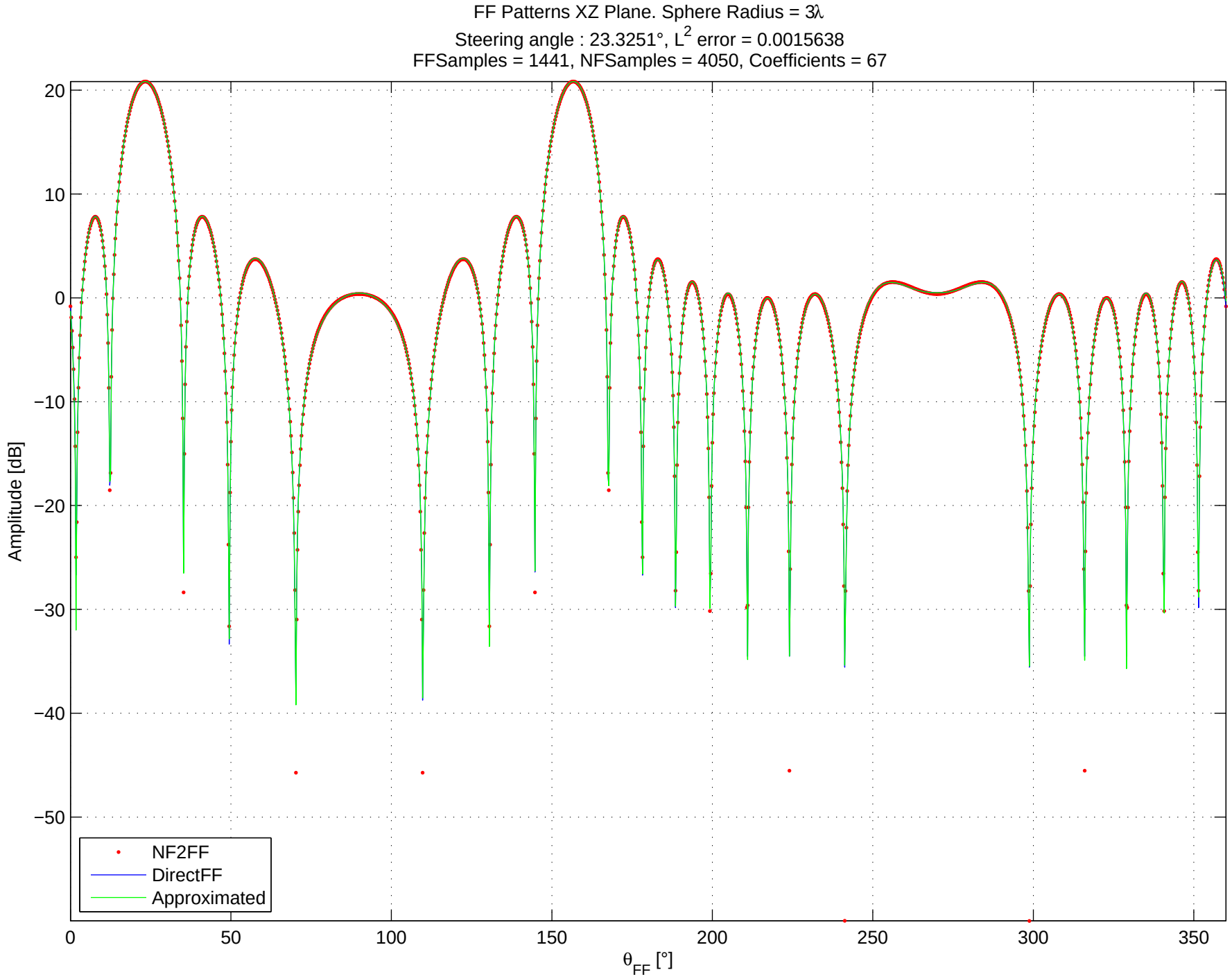

Operator relative L2 error, Coefficients = 73
Operator1
Operator2
Relative Error
θFF [°]
10^0
10^-1
10^-2
10^-3
10^-4
0
50
100
150
200
250
300
350

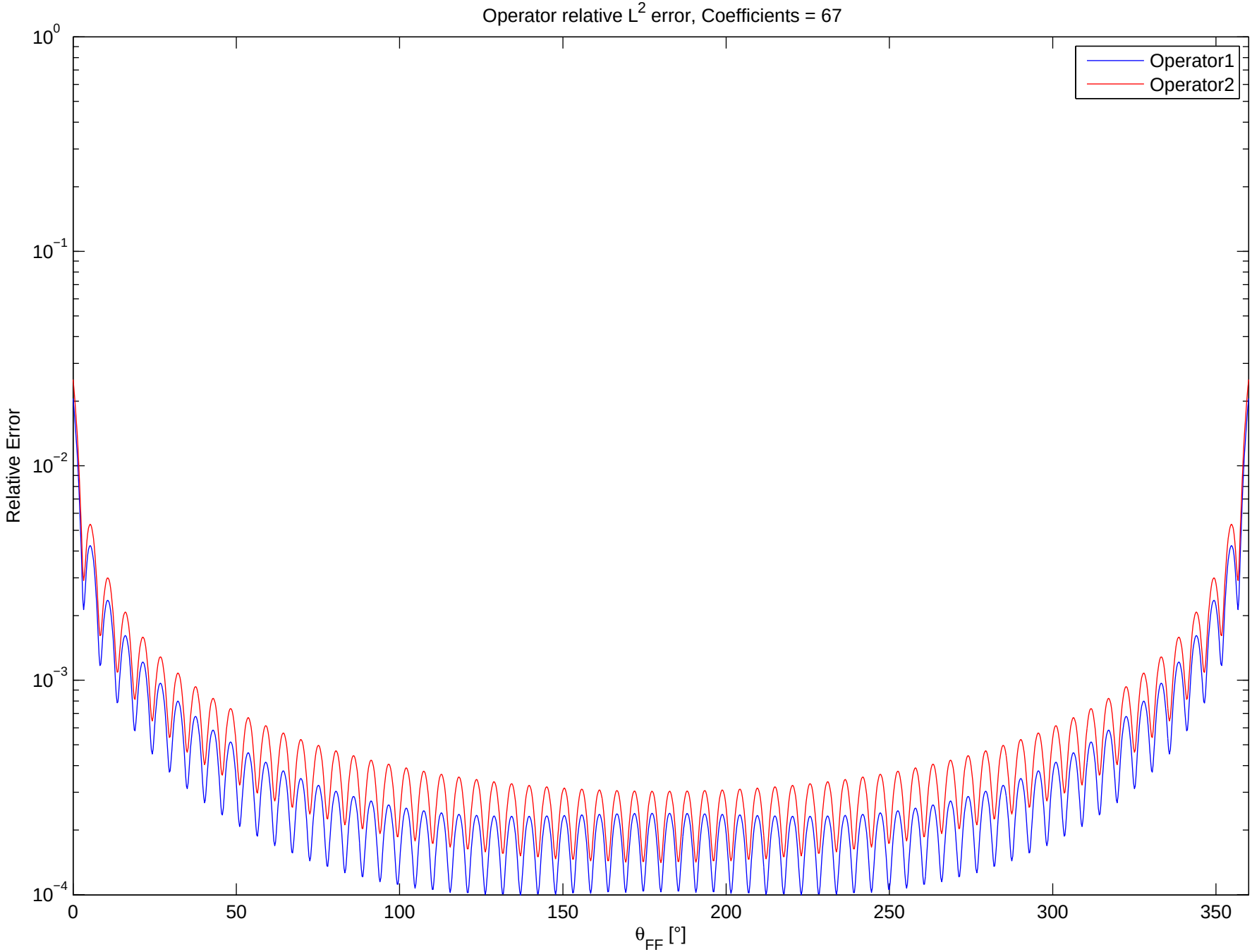

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0014972
FFSamples = 1441, NFSamples = 4050, Coefficients = 71
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

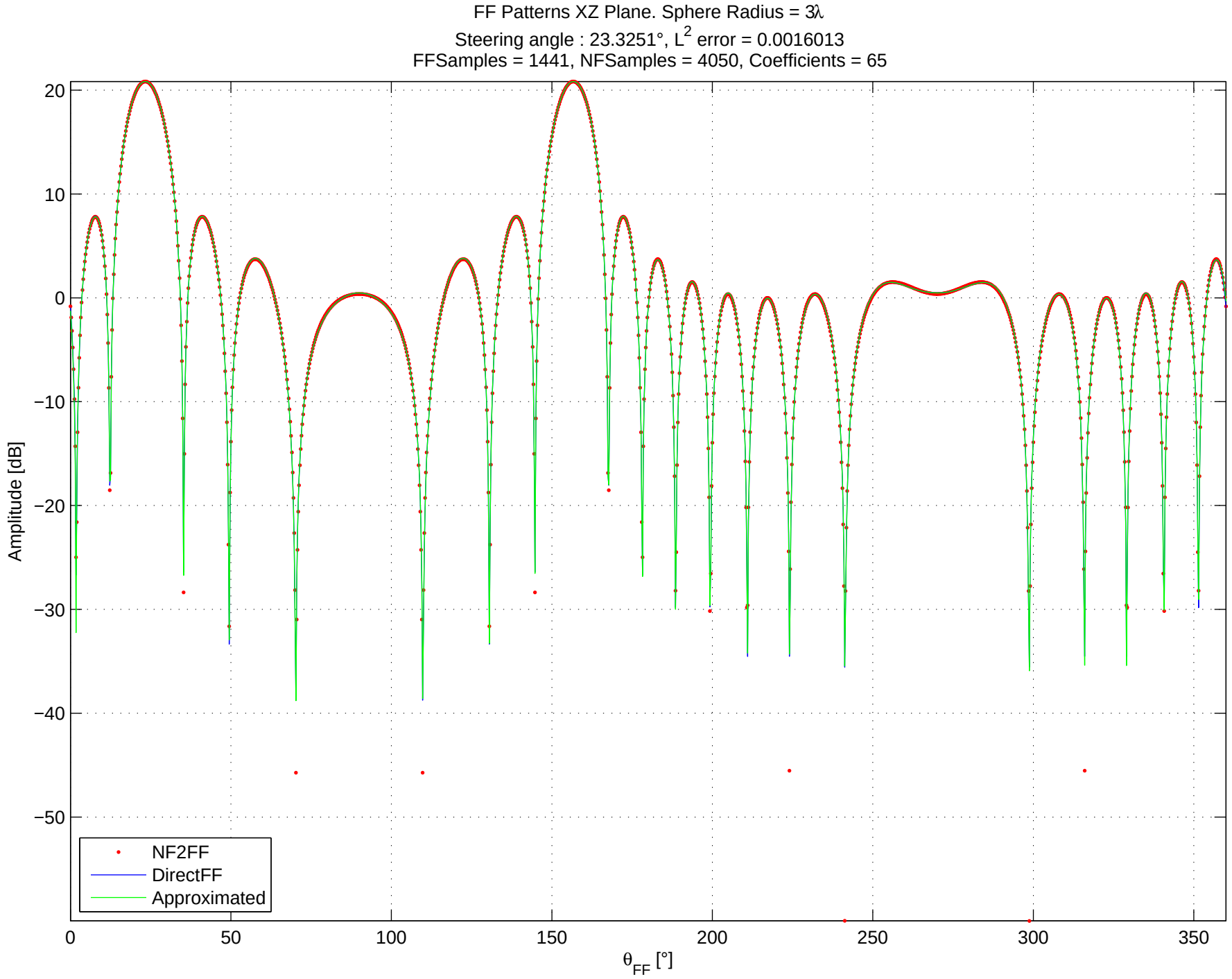

Operator relative L2 error, Coefficients = 71
Operator1
Operator2
Relative Error
θFF [°]
10^0
10^-1
10^-2
10^-3
10^-4
0
50
100
150
200
250
300
350

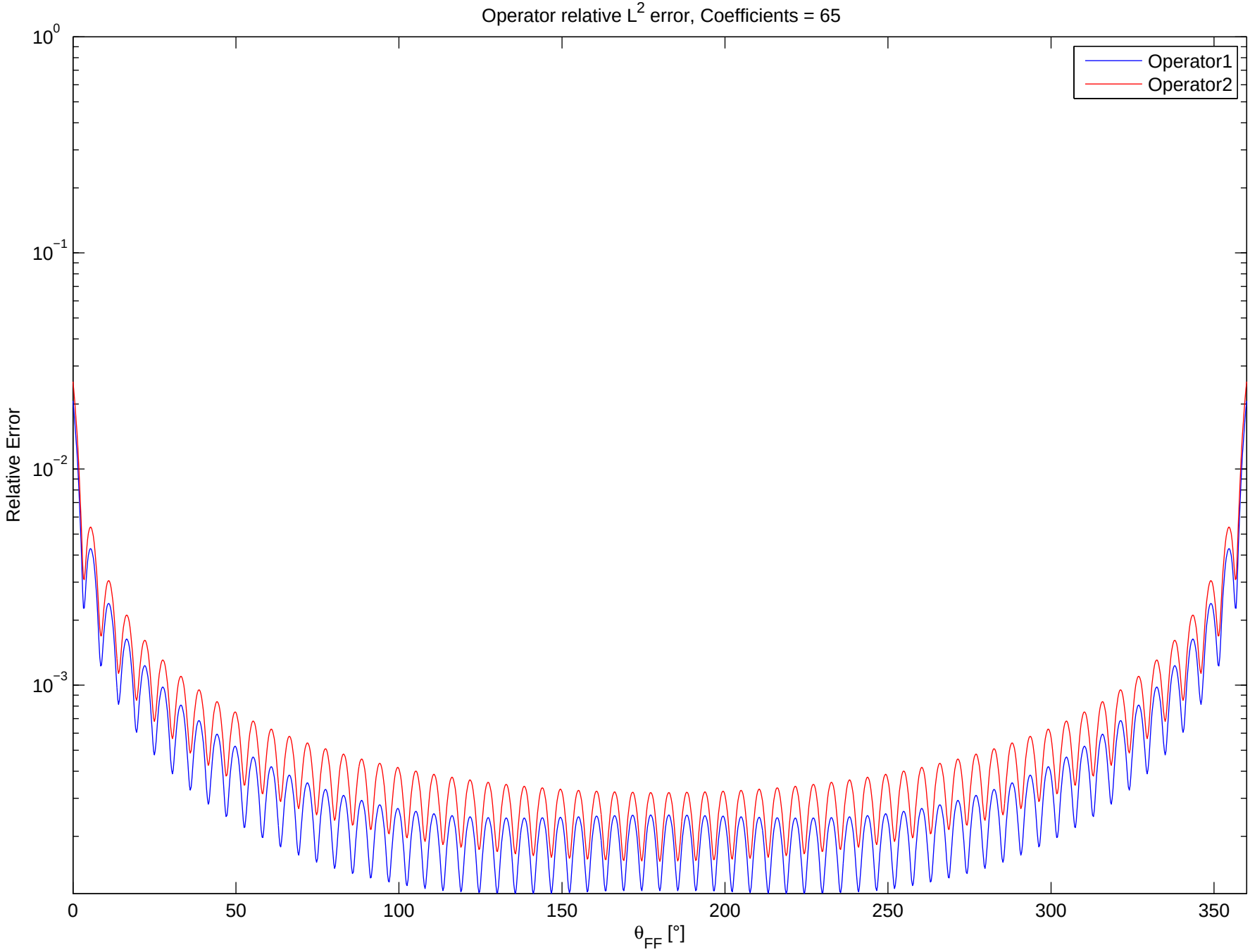

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0015293
FFSamples = 1441, NFSamples = 4050, Coefficients = 69
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

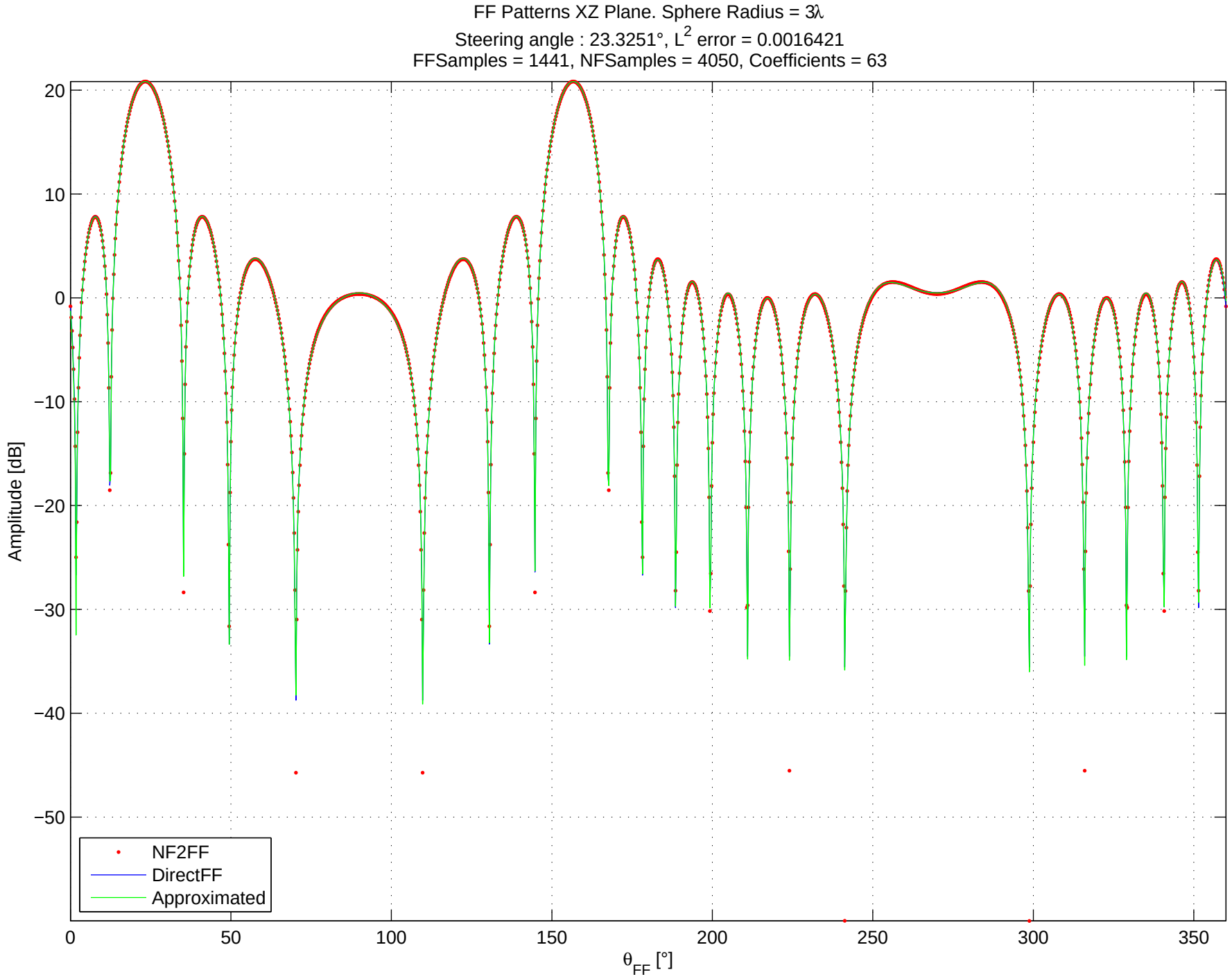

Operator relative L2 error, Coefficients = 69
Operator1
Operator2
Relative Error
θFF [°]
10^0
10^-1
10^-2
10^-3
10^-4
0
50
100
150
200
250
300
350

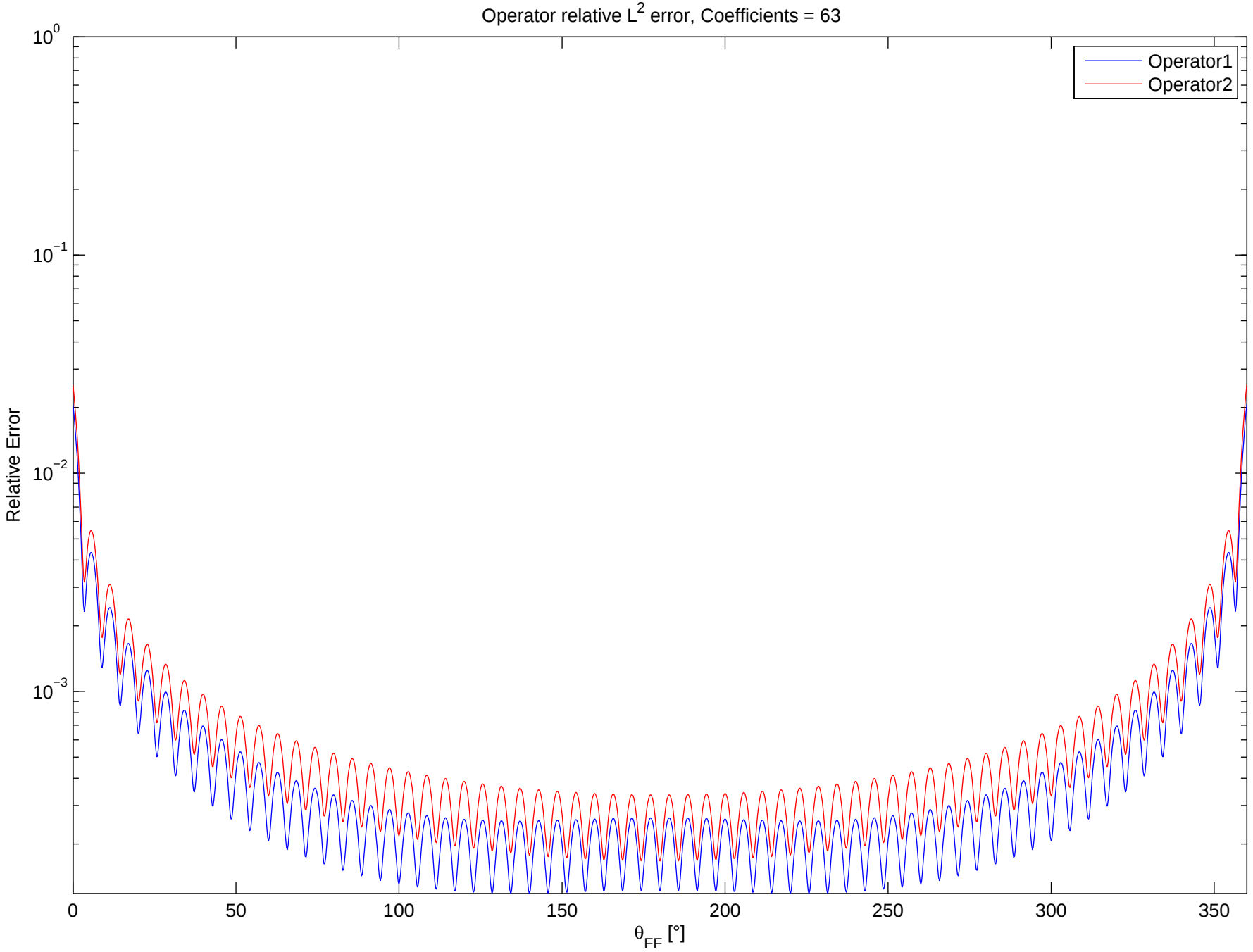

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0015638
FFSamples = 1441, NFSamples = 4050, Coefficients = 67
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

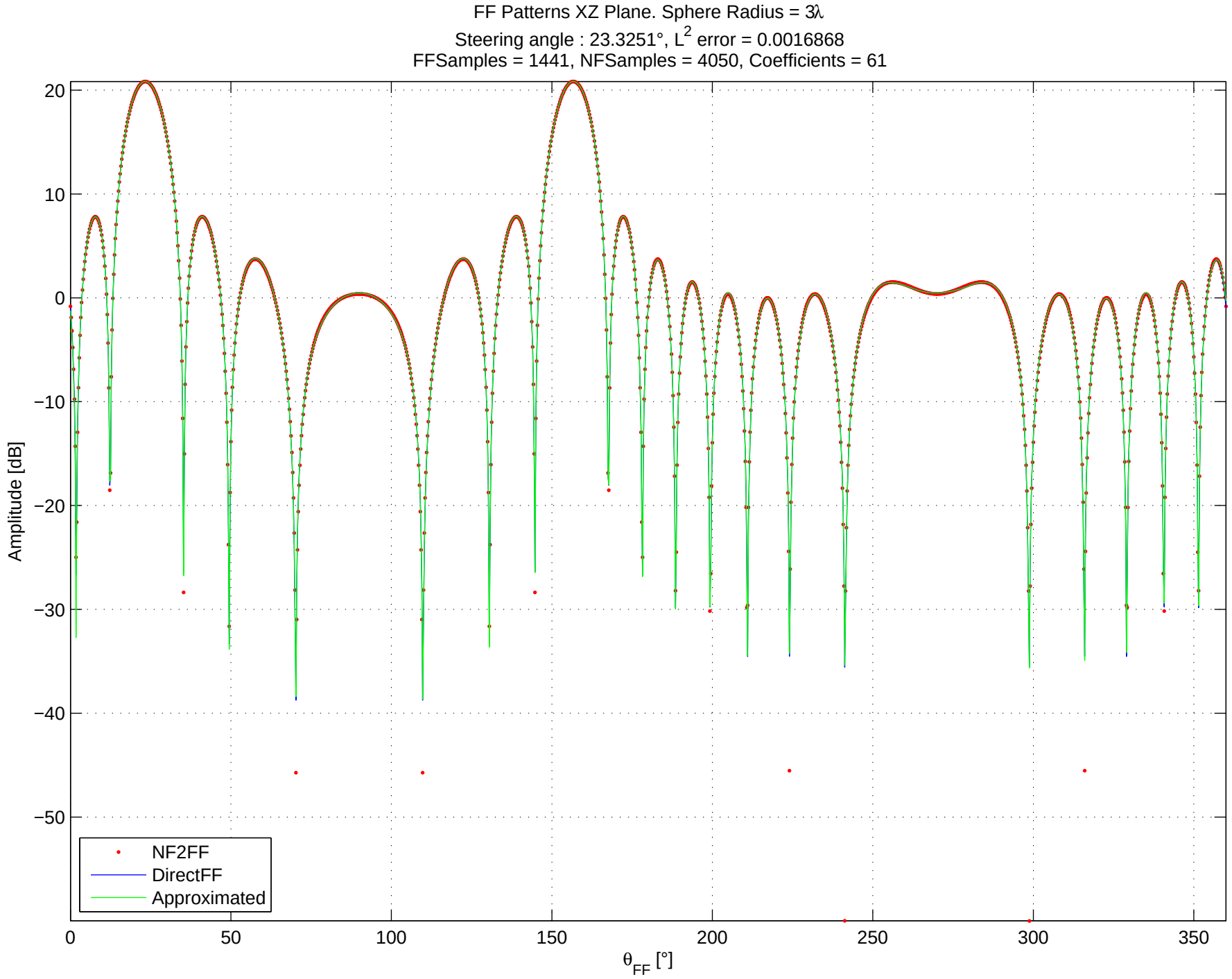

Operator relative L2 error, Coefficients = 67
Operator1
Operator2
Relative Error
θFF [°]
10^0
10^-1
10^-2
10^-3
10^-4
0
50
100
150
200
250
300
350

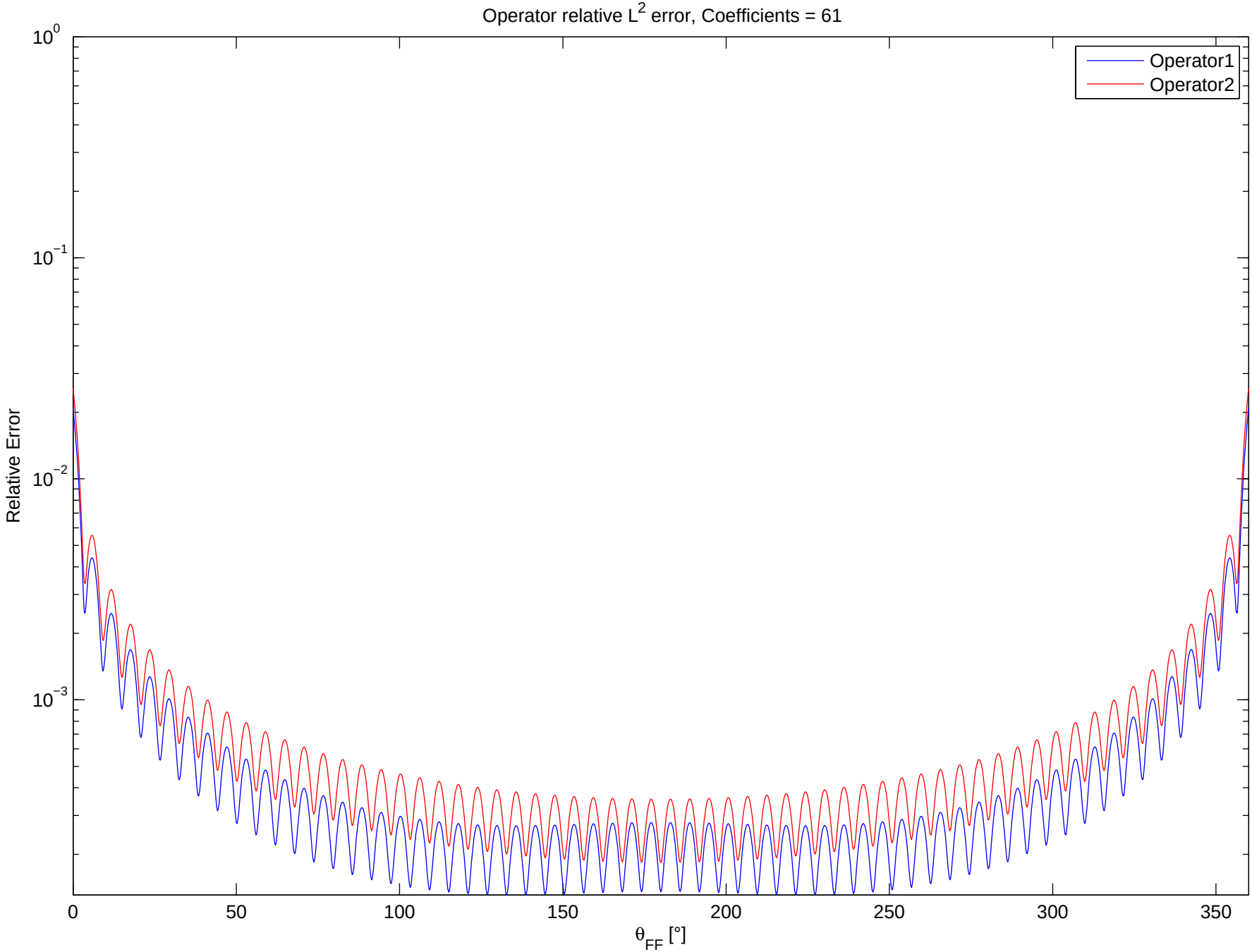

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0016013
FFSamples = 1441, NFSamples = 4050, Coefficients = 65
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

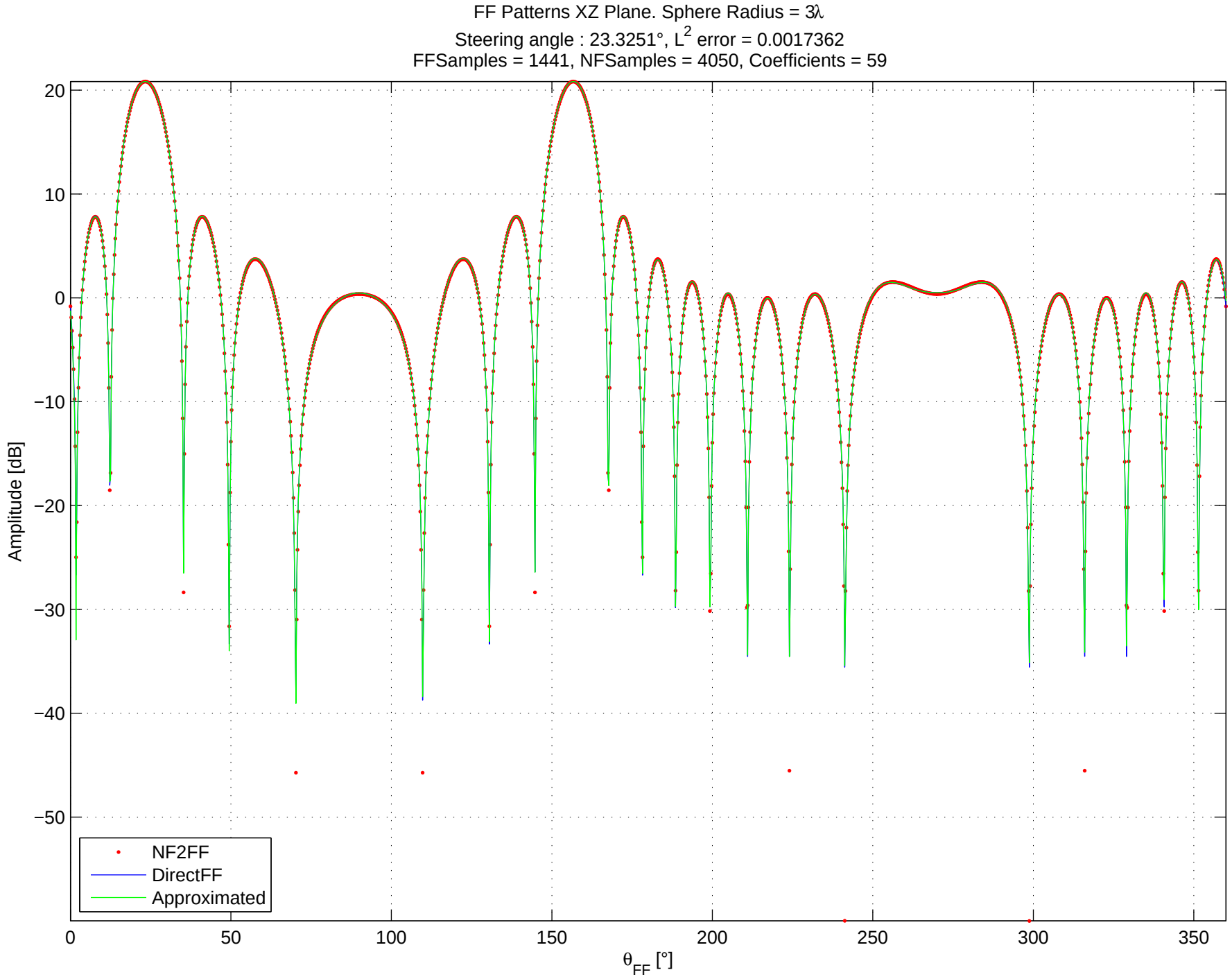

Operator relative L2 error, Coefficients = 65
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
10^-3
0
50
100
150
200
250
300
350
θFF [°]

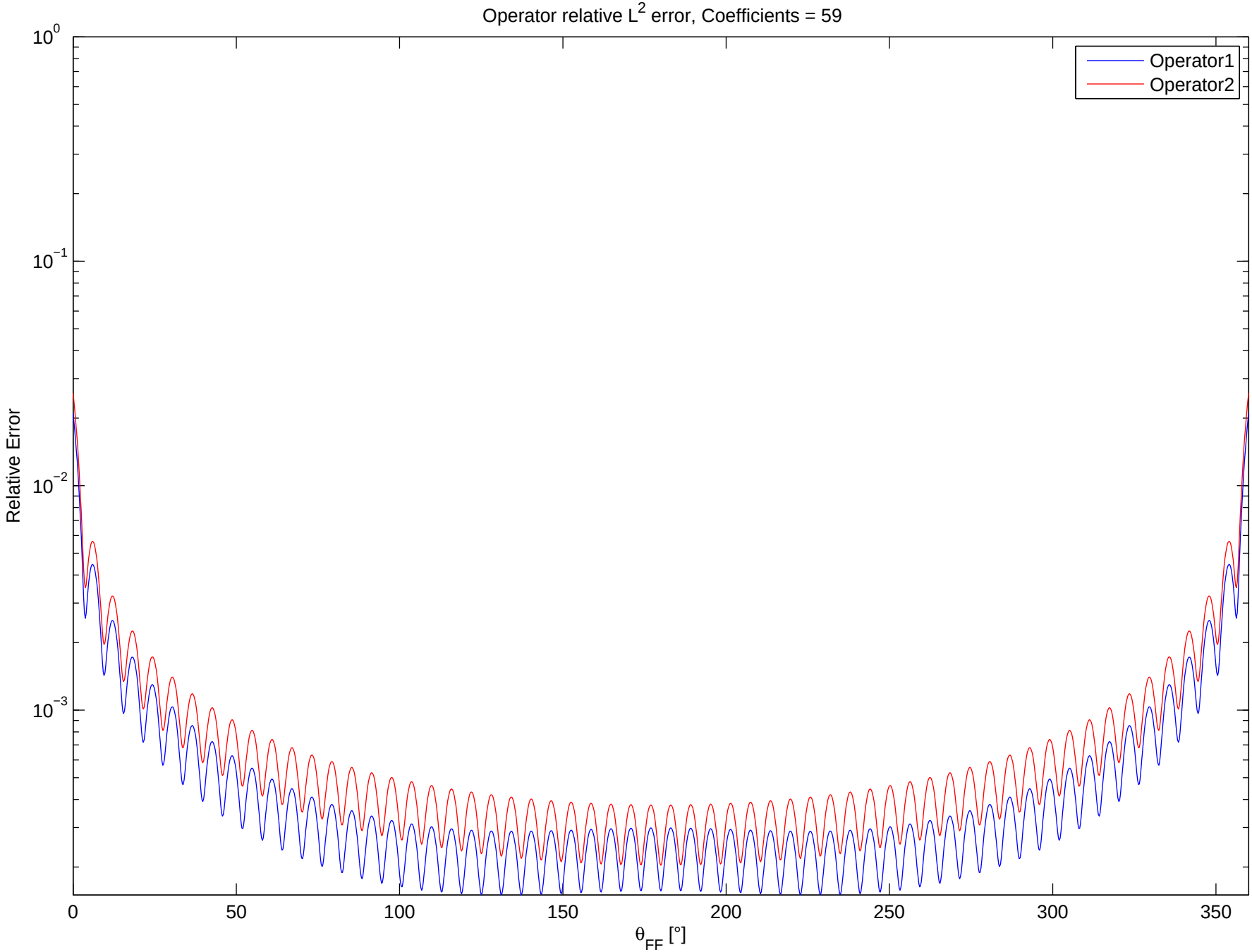

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0016421
FFSamples = 1441, NFSamples = 4050, Coefficients = 63
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

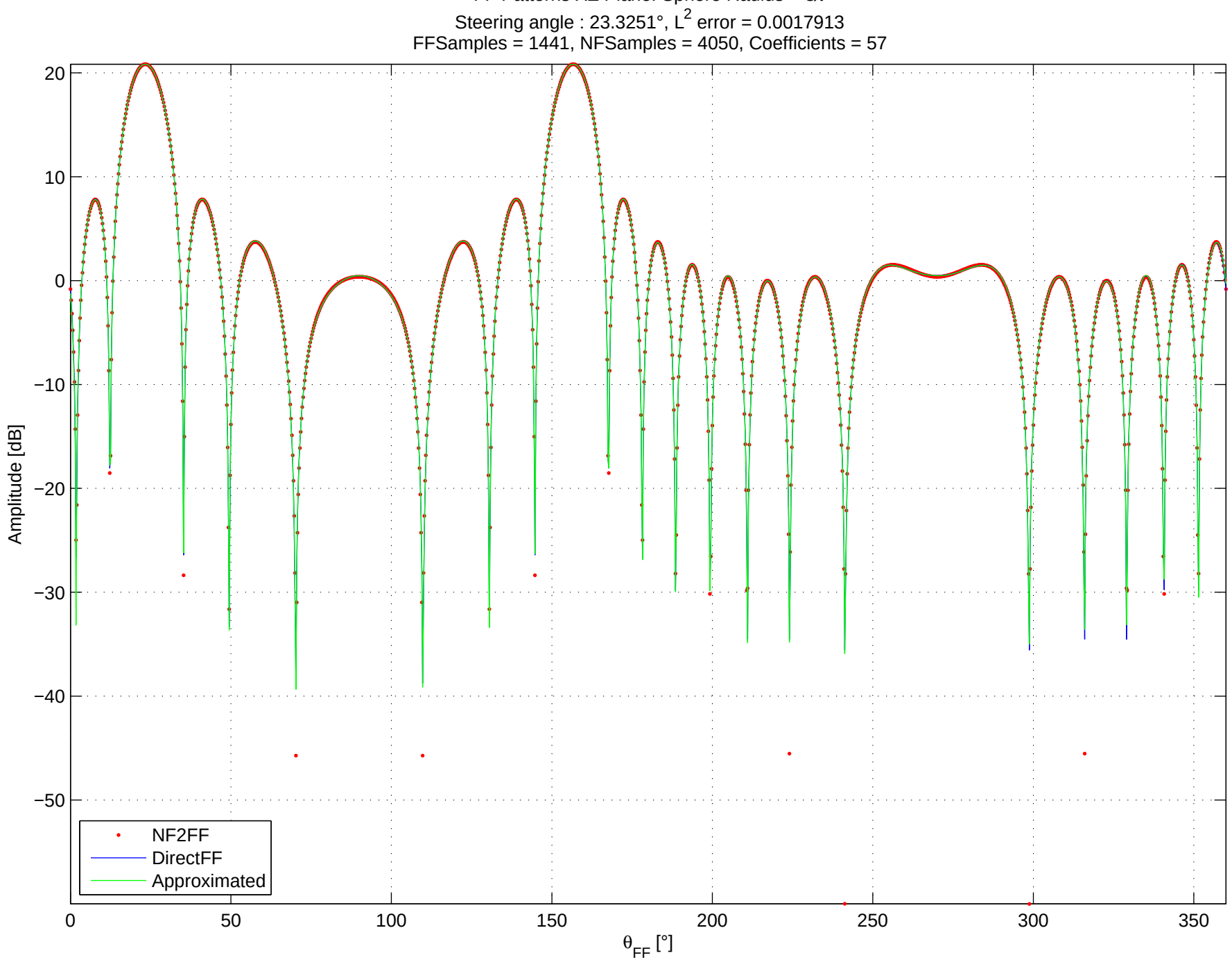

Operator relative L2 error, Coefficients = 63
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
10^-3
0
50
100
150
200
250
300
350
θFF [°]

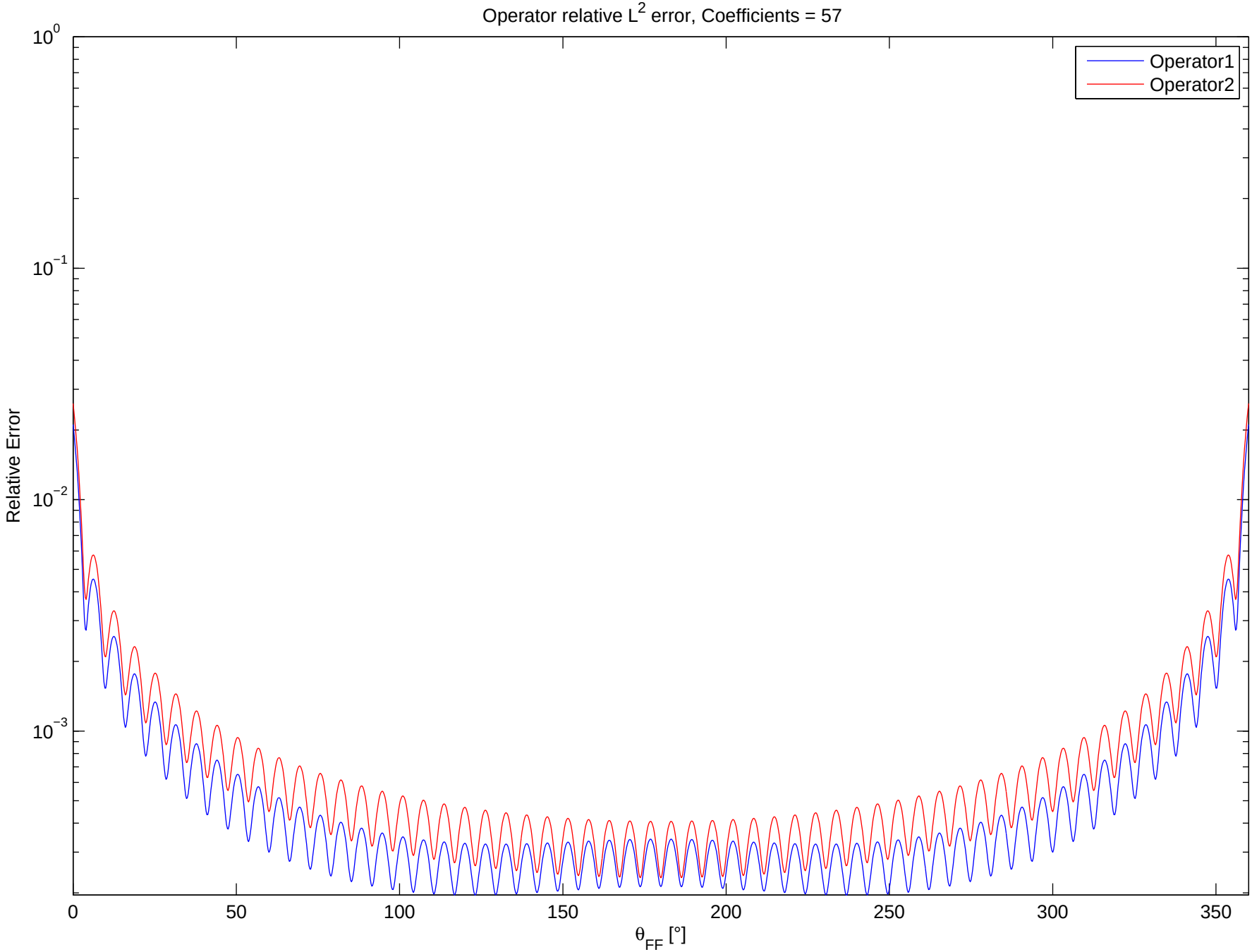

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0016868
FFSamples = 1441, NFSamples = 4050, Coefficients = 61
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

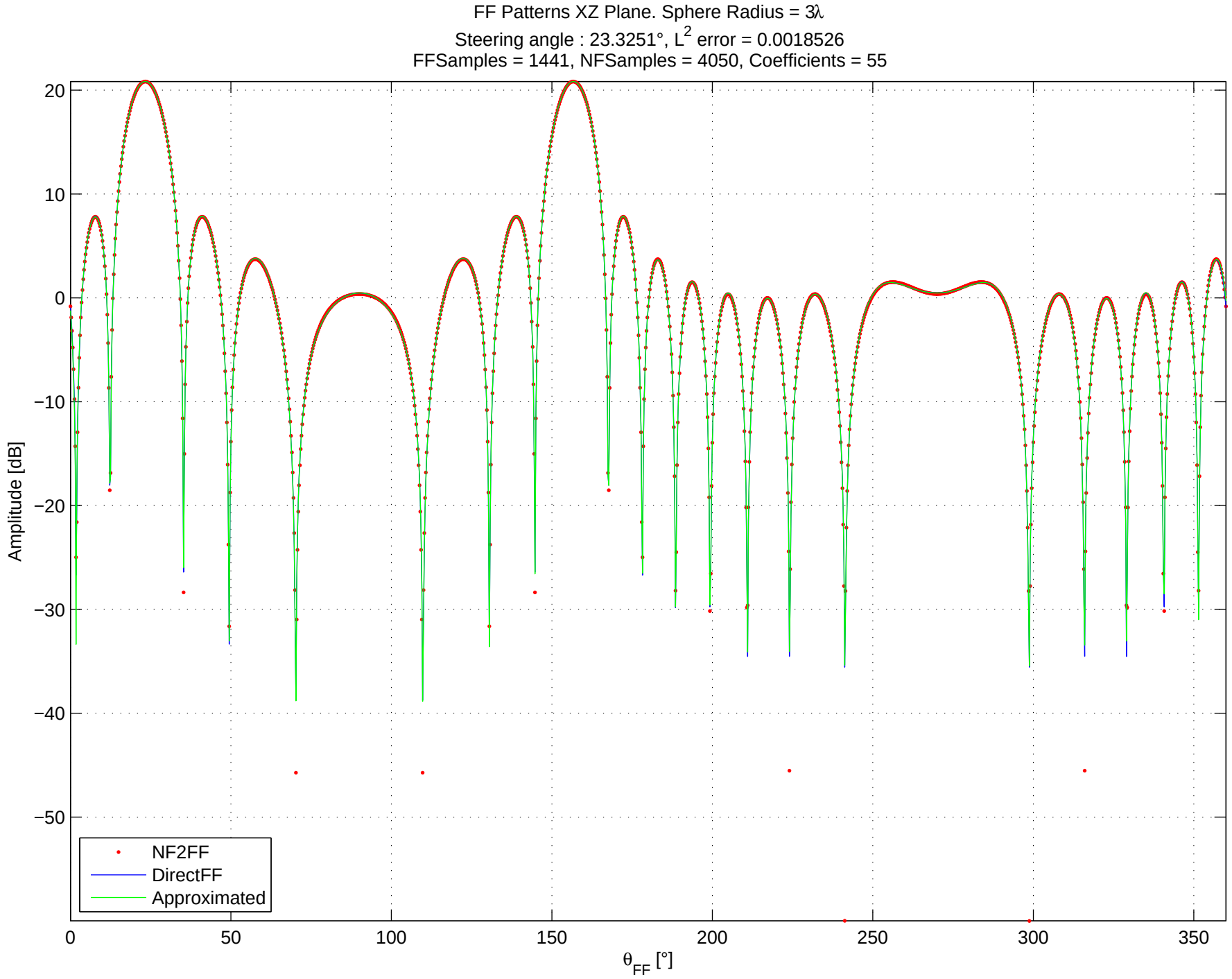

Operator relative L2 error, Coefficients = 61
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
10^-3
0
50
100
150
200
250
300
350
θFF [°]

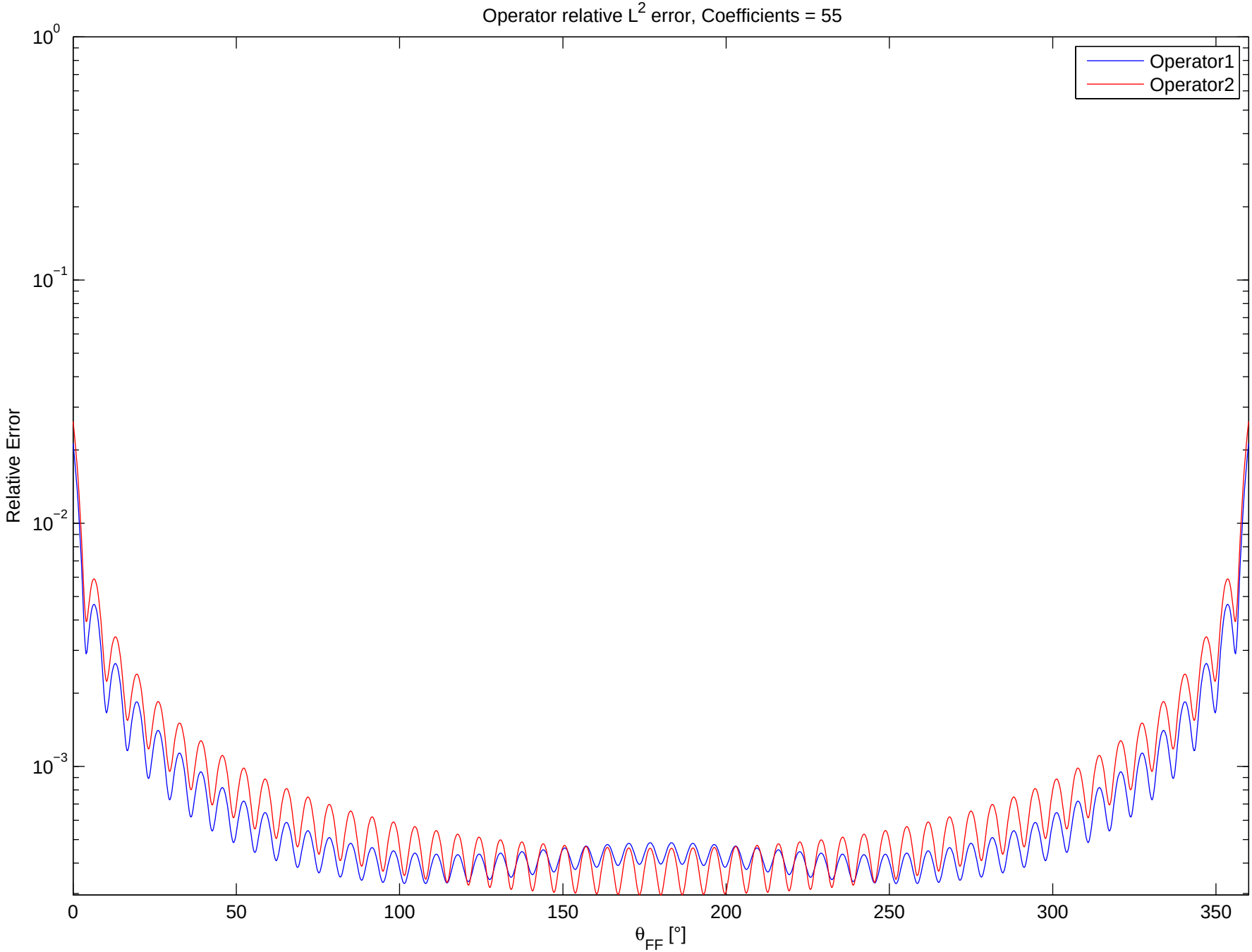

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0017362
FFSamples = 1441, NFSamples = 4050, Coefficients = 59
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

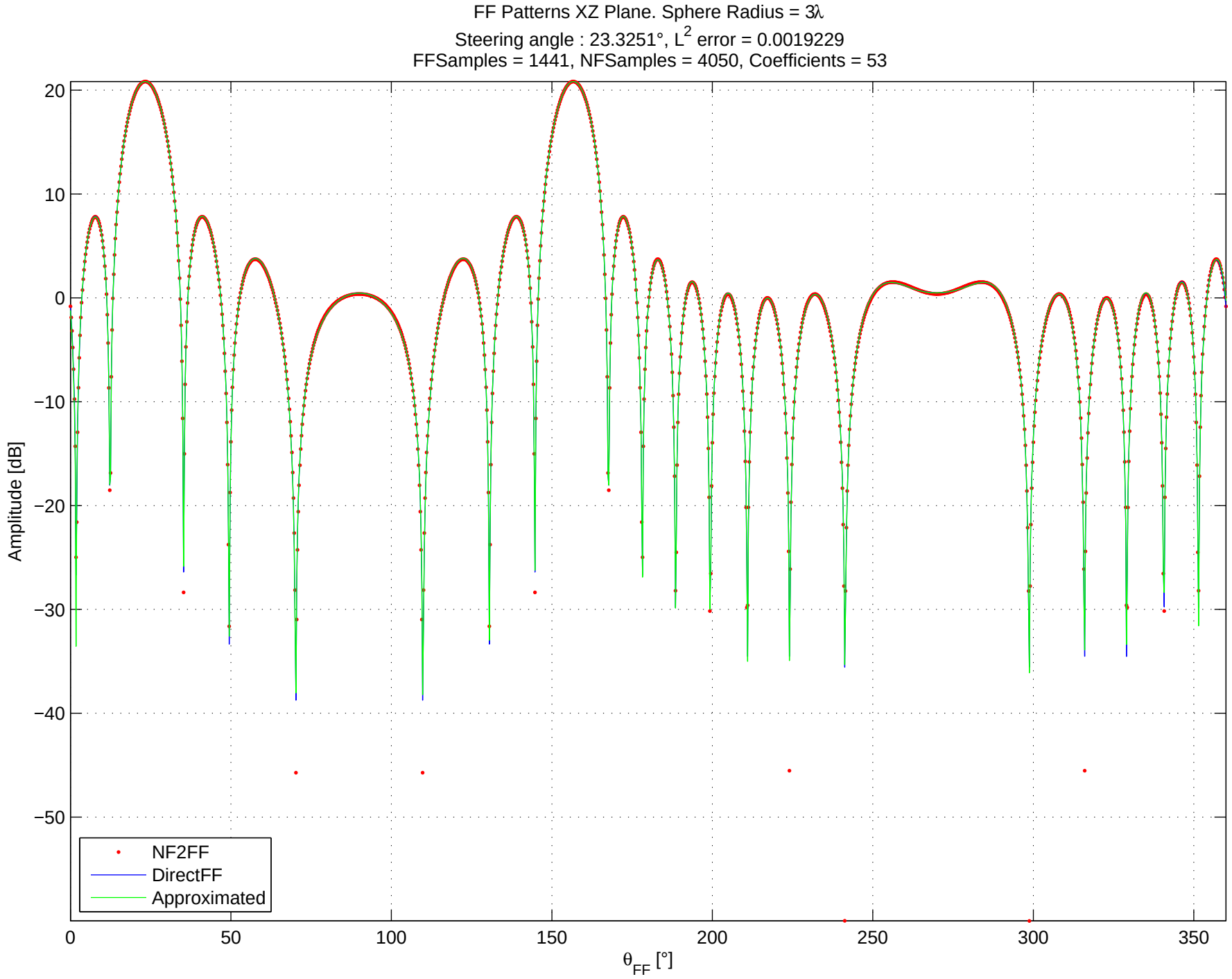

Operator relative L2 error, Coefficients = 59
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
10^-3
0
50
100
150
200
250
300
350
θFF [°]

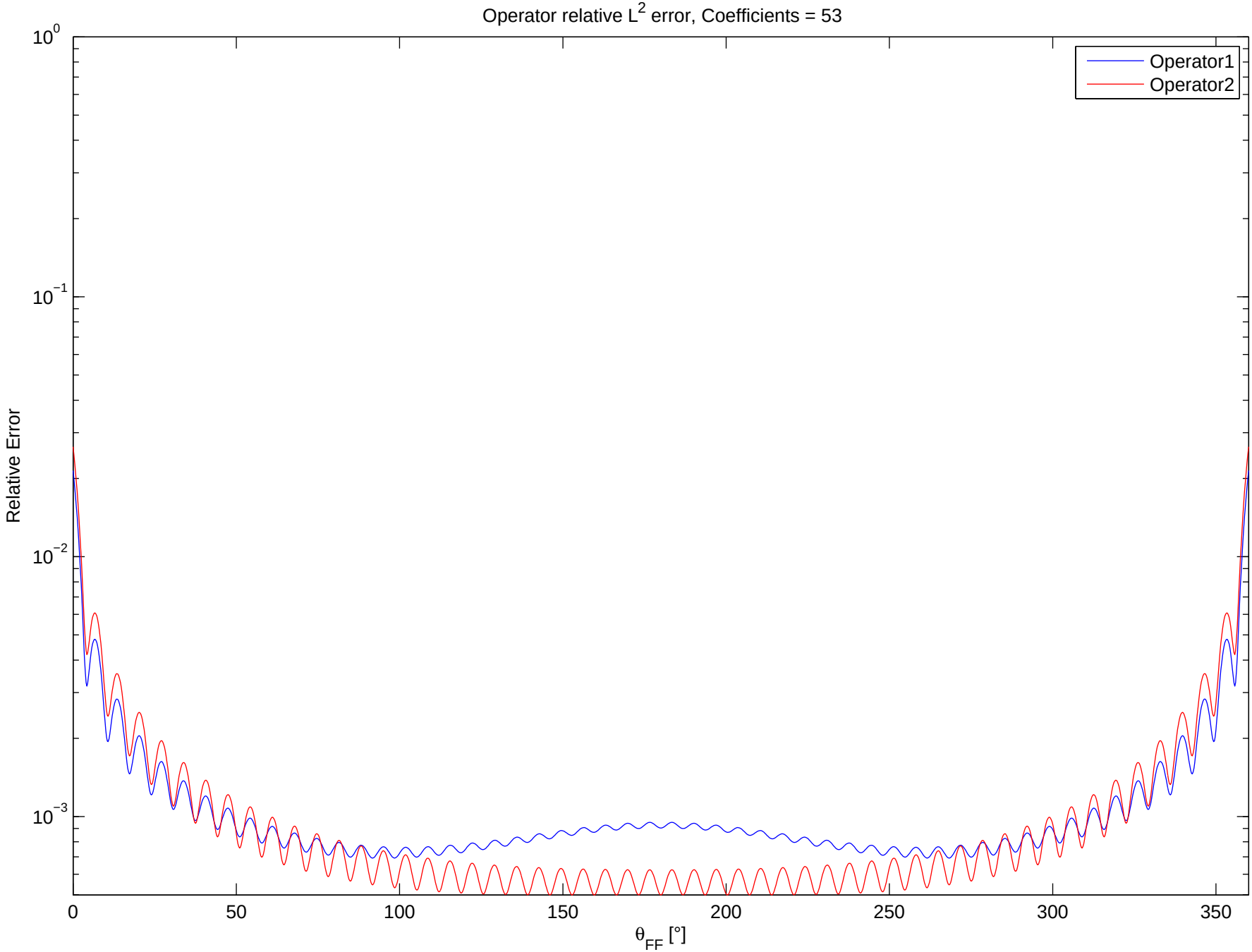

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0017913
FFSamples = 1441, NFSamples = 4050, Coefficients = 57
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

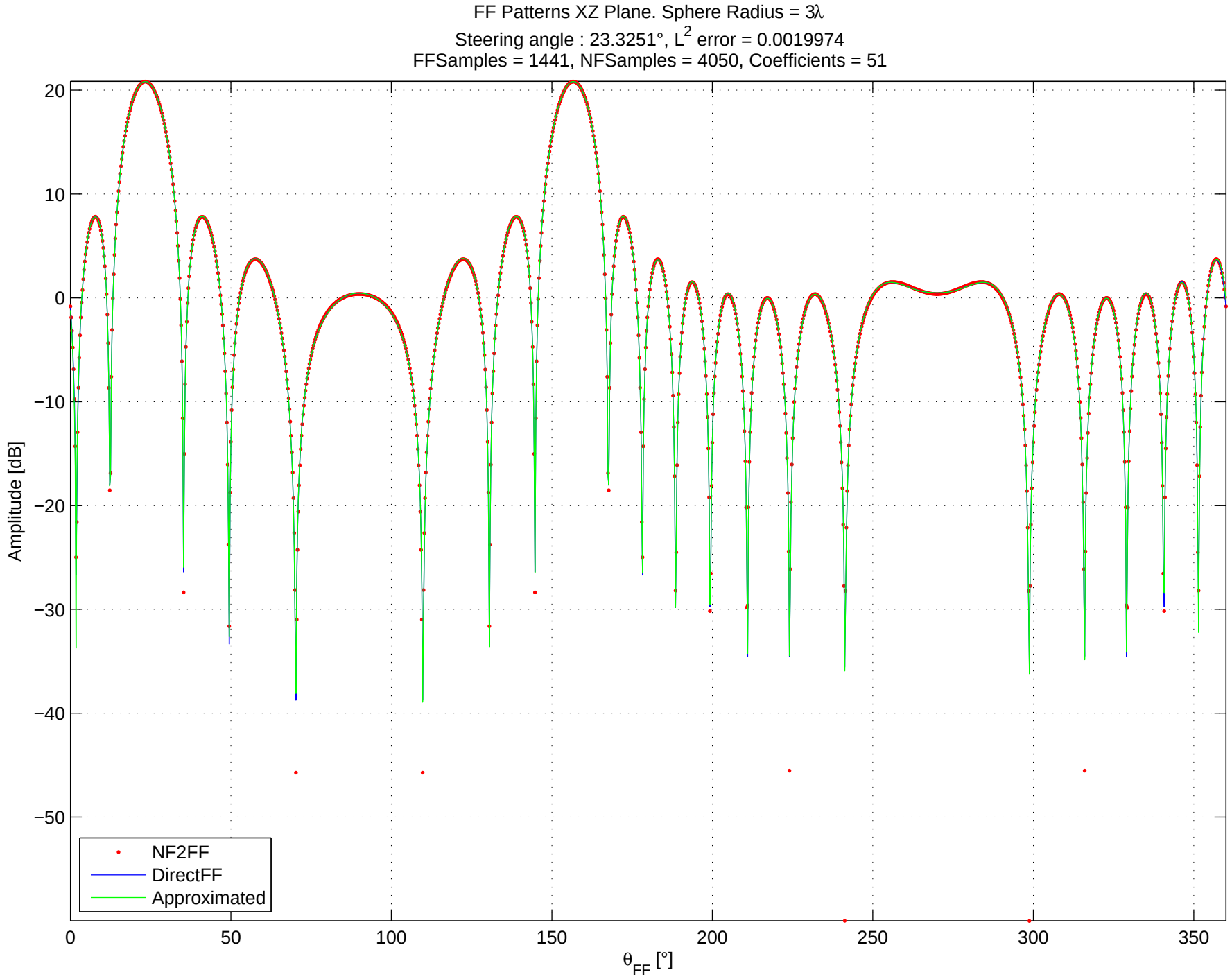

Operator relative L2 error, Coefficients = 57
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
10^-3
0
50
100
150
200
250
300
350
θFF [°]

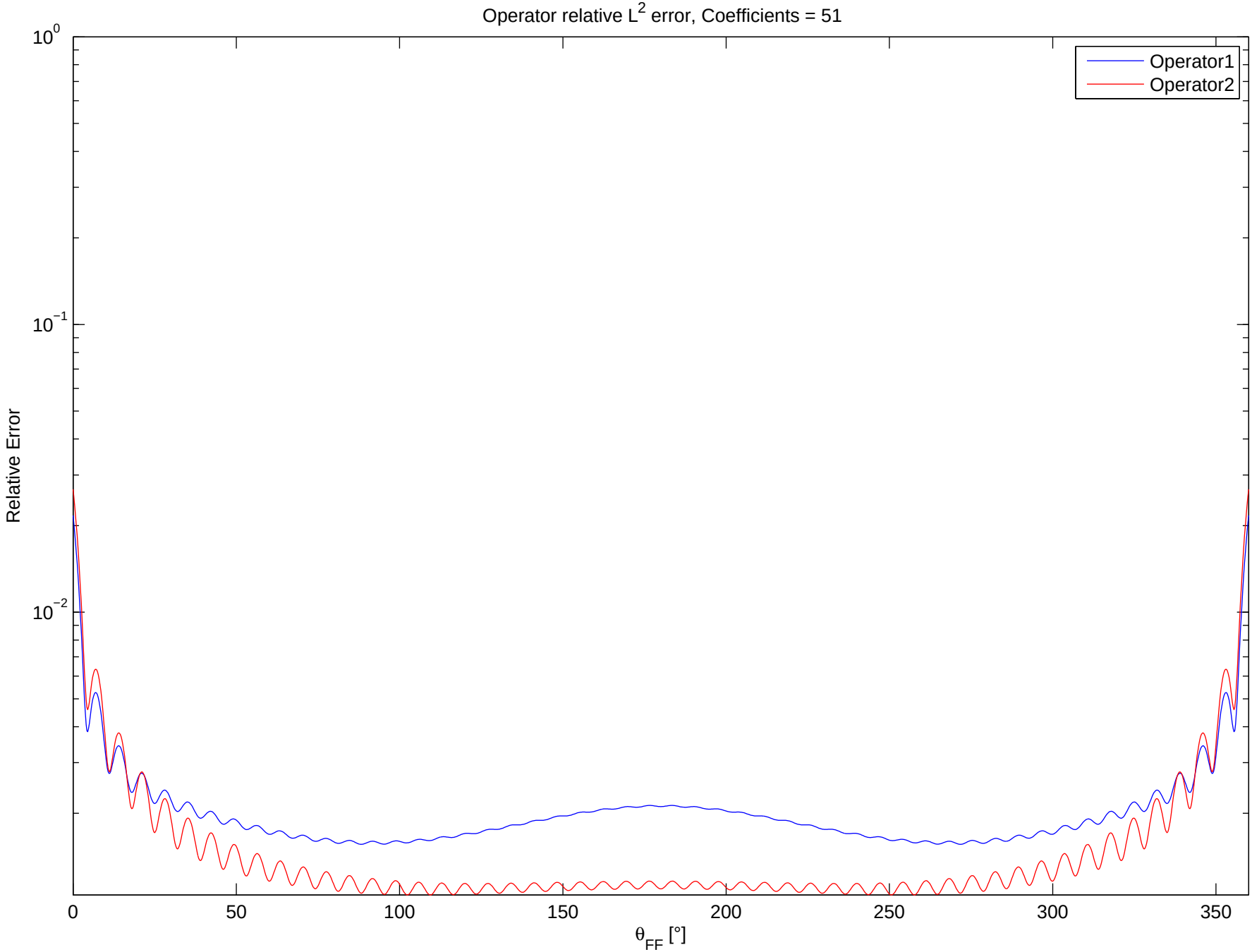

FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0018526
FFSamples = 1441, NFSamples = 4050, Coefficients = 55
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350

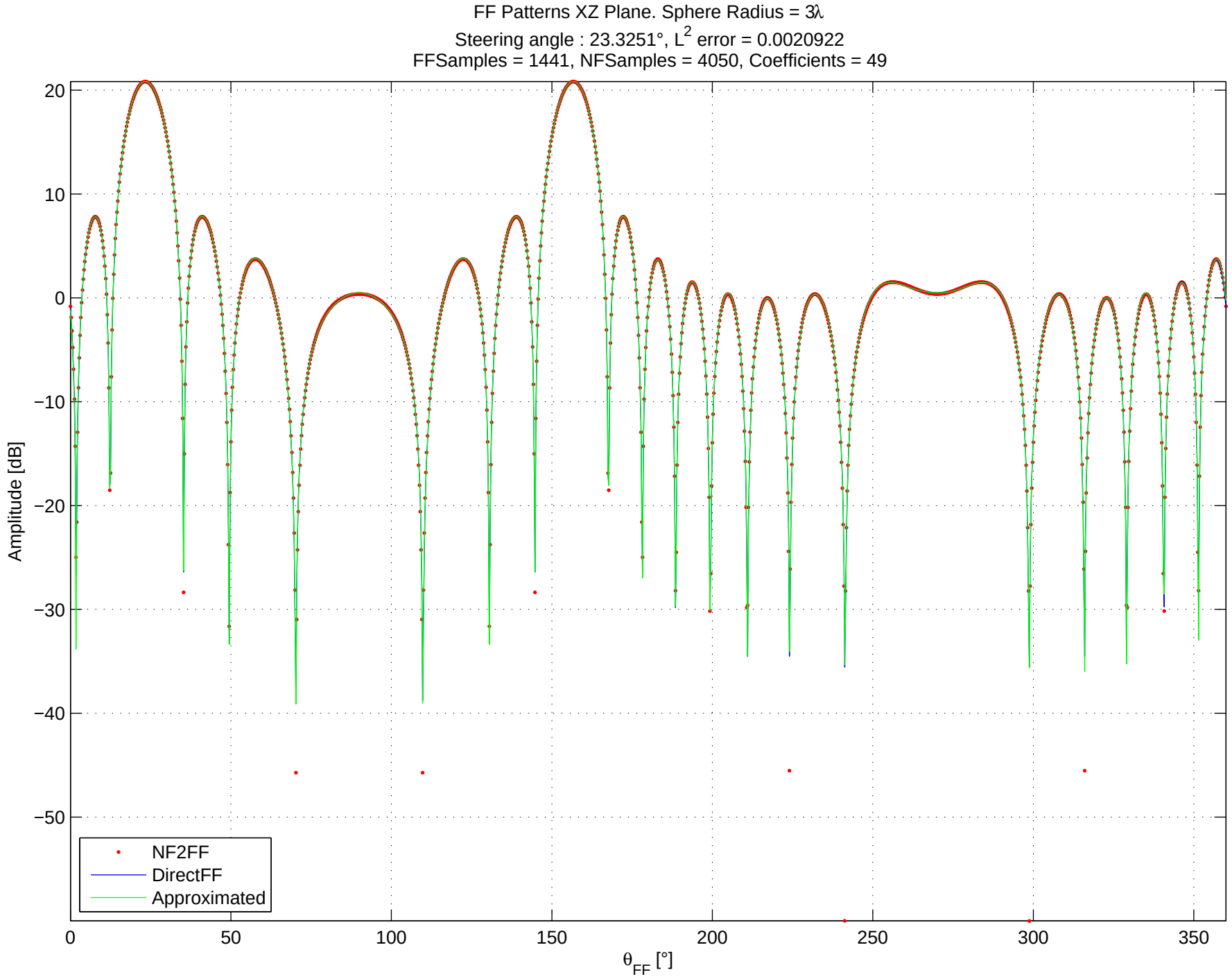

Operator relative L2 error, Coefficients = 55
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
10^-3
0
50
100
150
200
250
300
350
θFF [°]


FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0019229
FFSamples = 1441, NFSamples = 4050, Coefficients = 53
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350


Operator relative L2 error, Coefficients = 53
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
10^-3
0
50
100
150
200
250
300
350
θFF [°]


FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0019974
FFSamples = 1441, NFSamples = 4050, Coefficients = 51
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350


Operator relative L2 error, Coefficients = 51
Operator1
Operator2
Relative Error
10^0
10^-1
10^-2
0
50
100
150
200
250
300
350
θFF [°]


FF Patterns XZ Plane. Sphere Radius = 3λ
Steering angle : 23.3251°, L2 error = 0.0020922
FFSamples = 1441, NFSamples = 4050, Coefficients = 49
Amplitude [dB]
θFF [°]
NF2FF
DirectFF
Approximated
20
10
0
−10
−20
−30
−40
−50
0
50
100
150
200
250
300
350