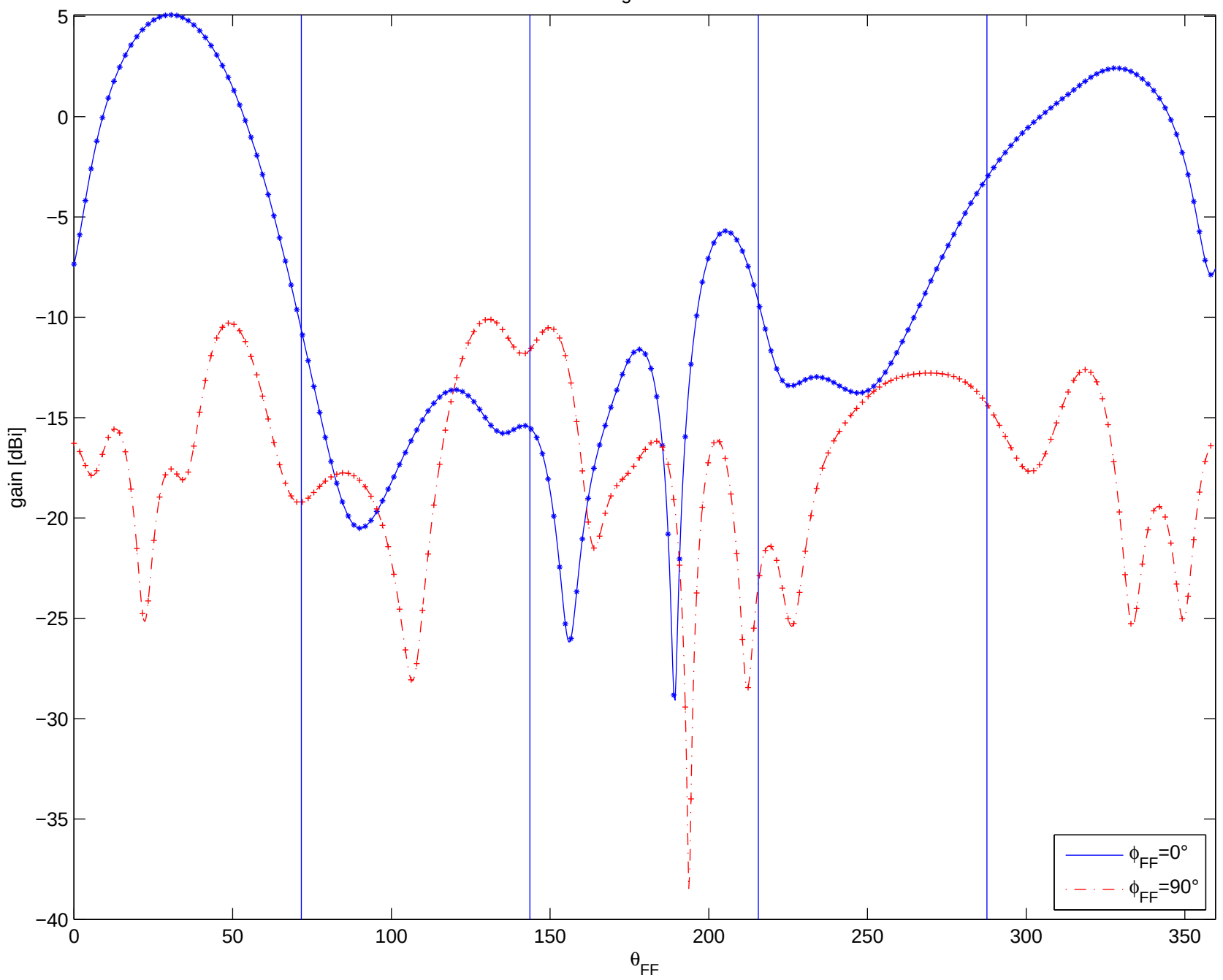
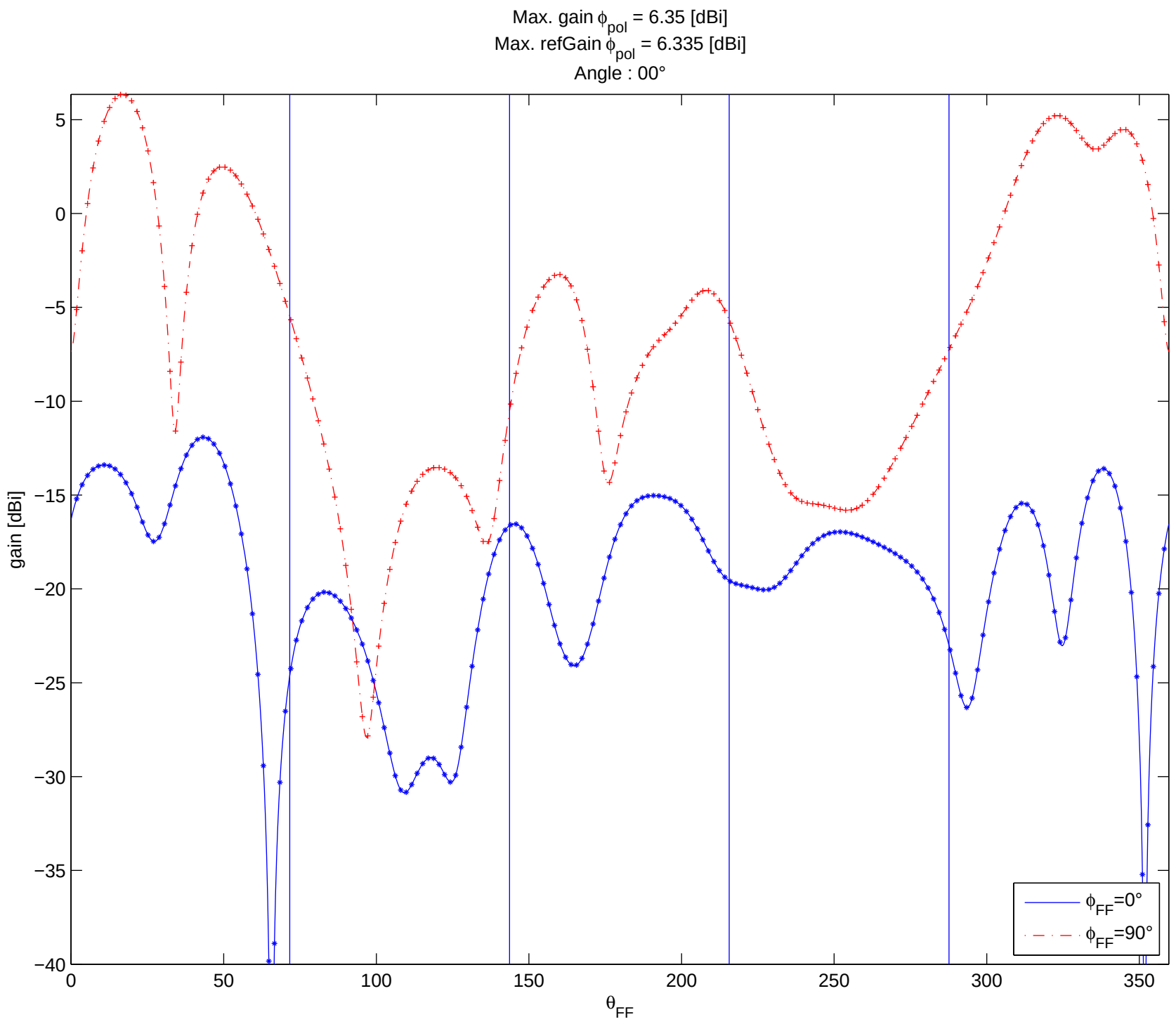
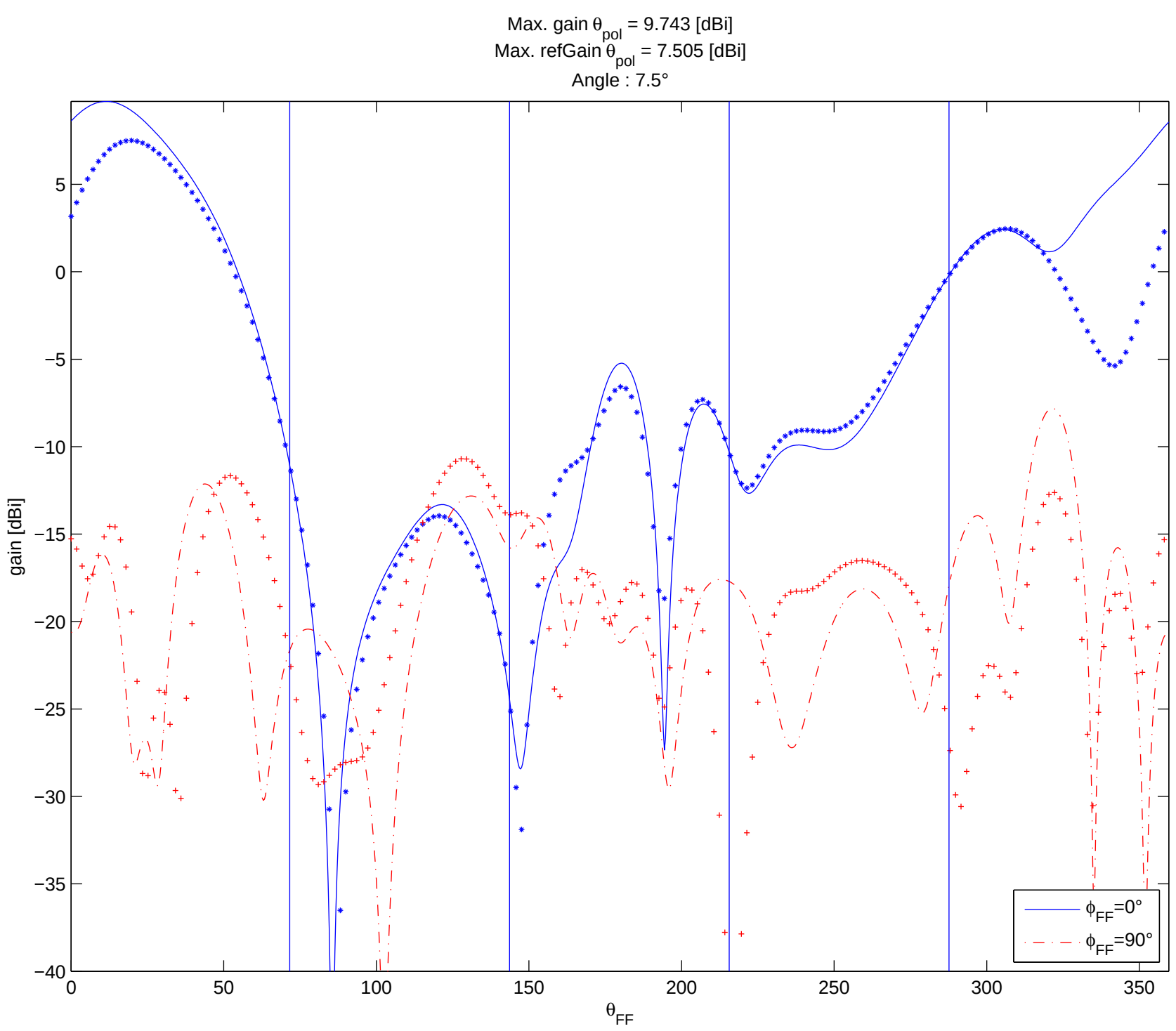
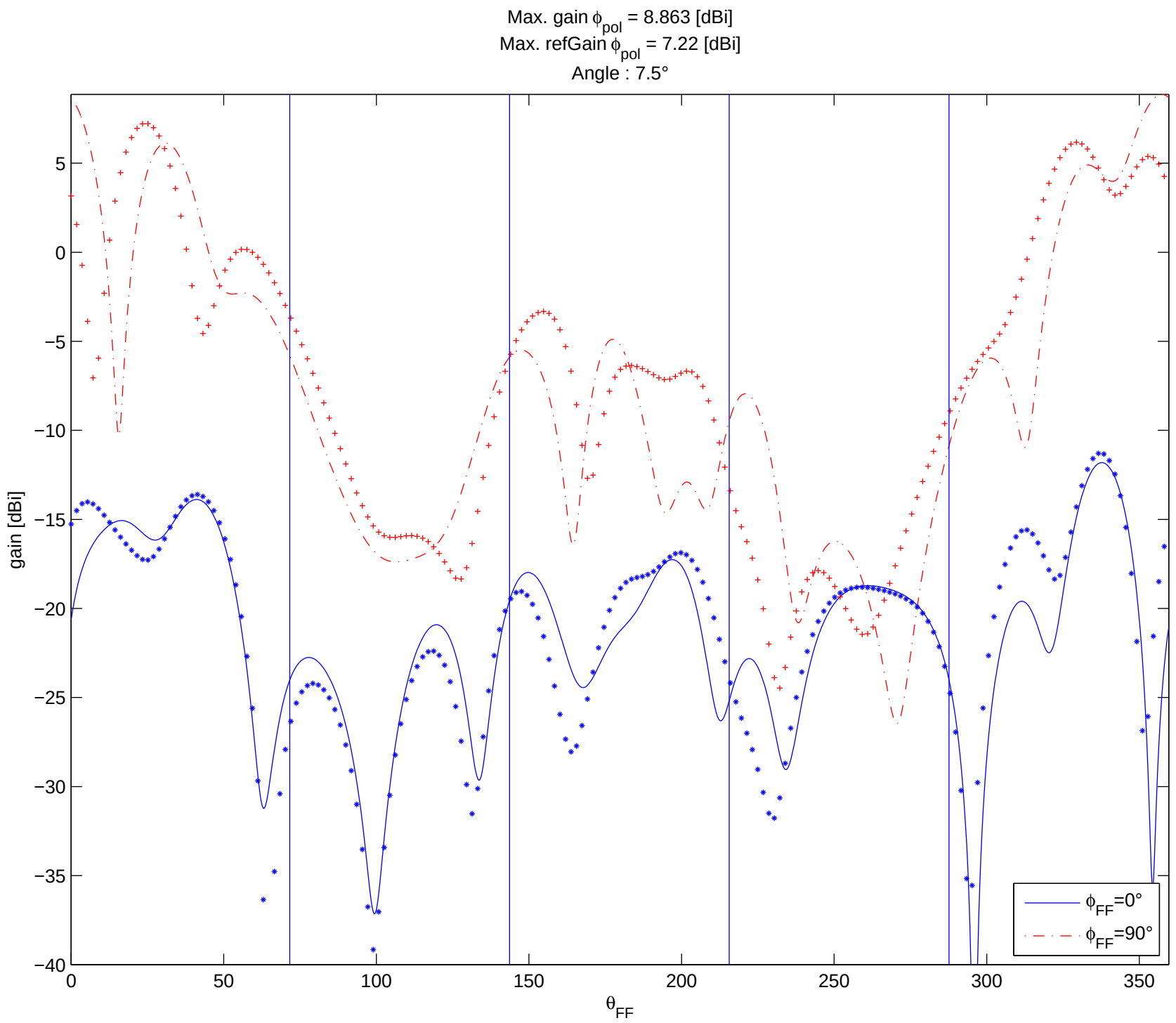
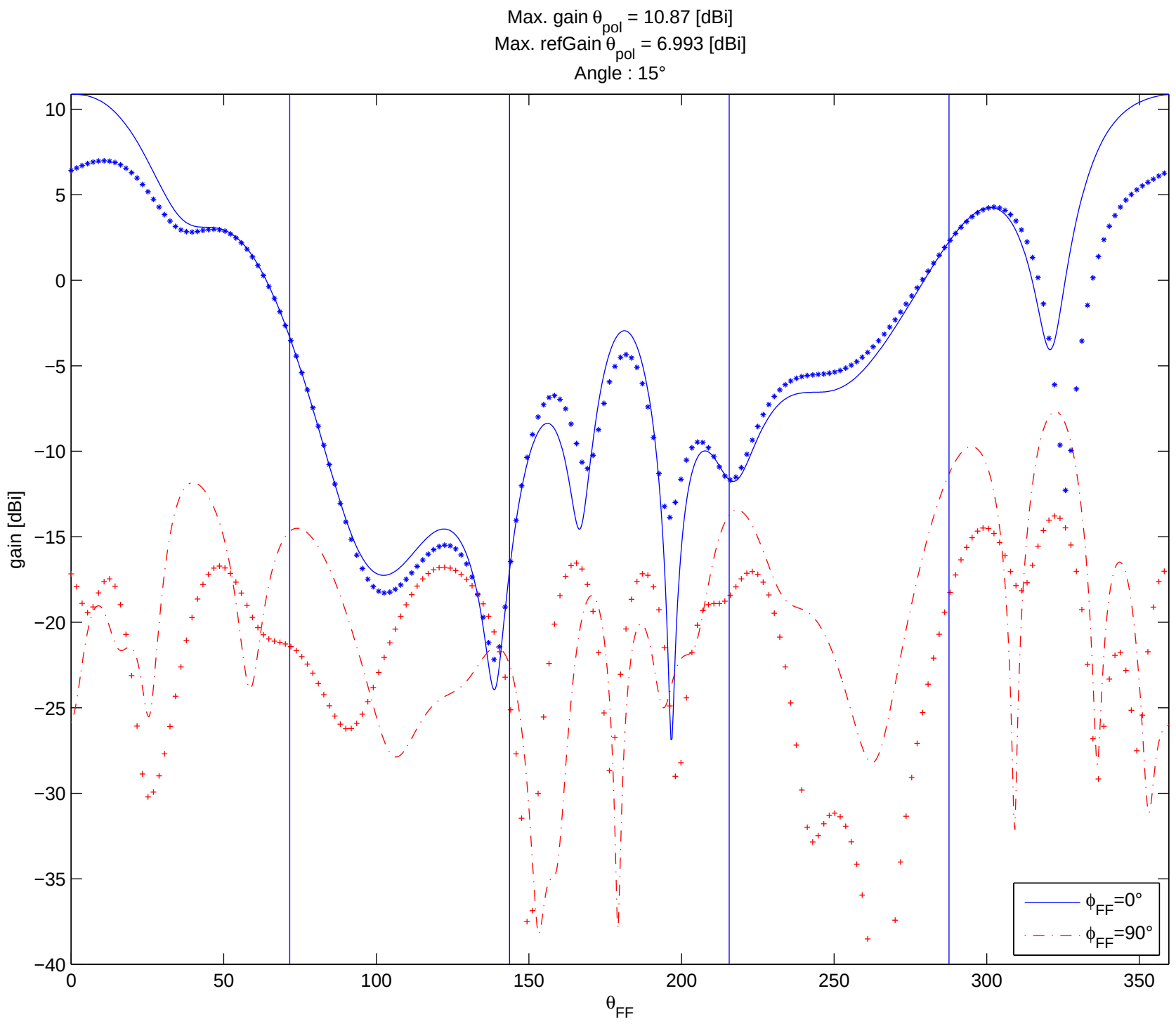
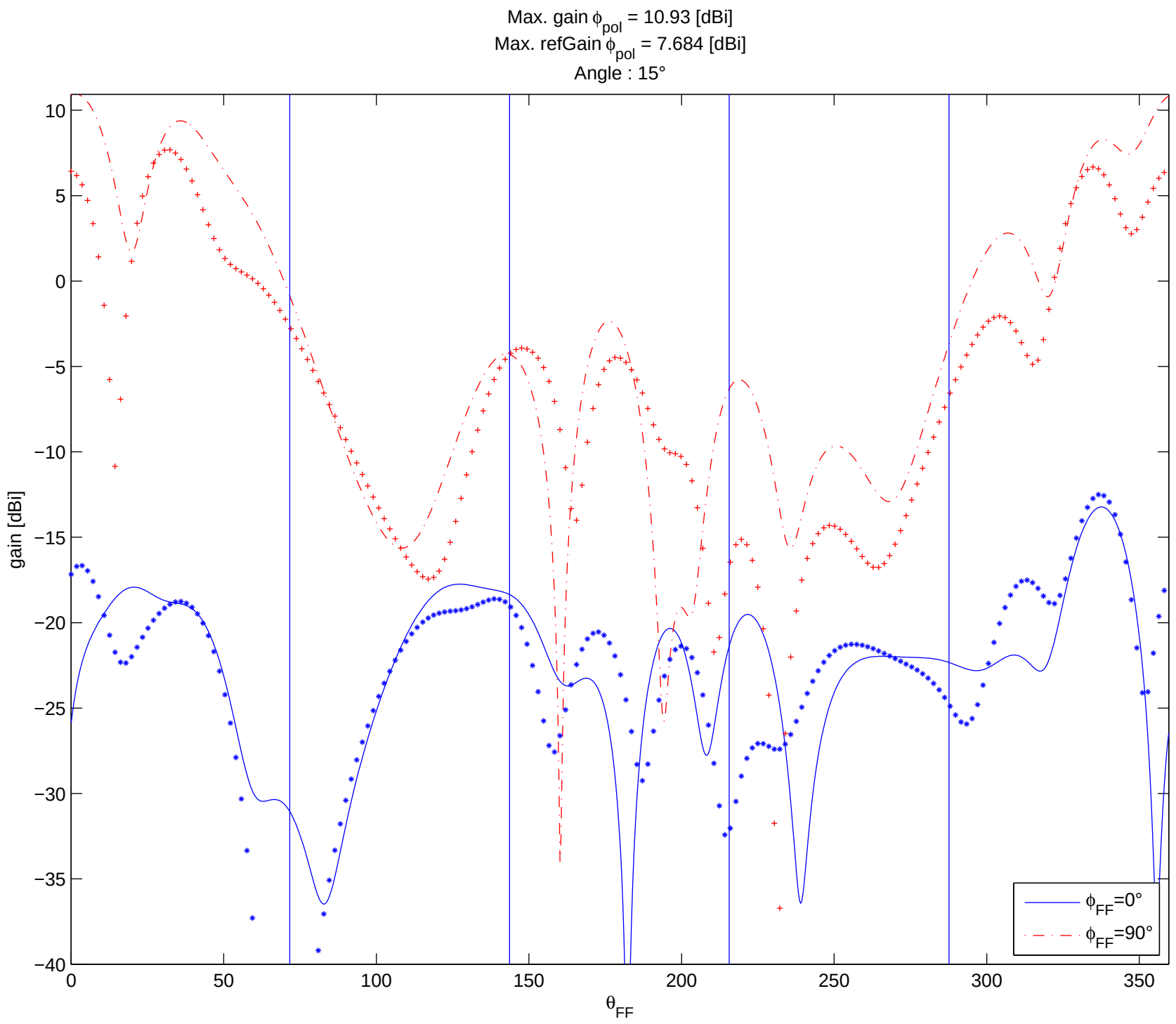

Max. gain θpol = 5.07 [dBi]
Max. refGain θpol = 5.07 [dBi]
Angle : 00°
gain [dBi]
θFF
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°

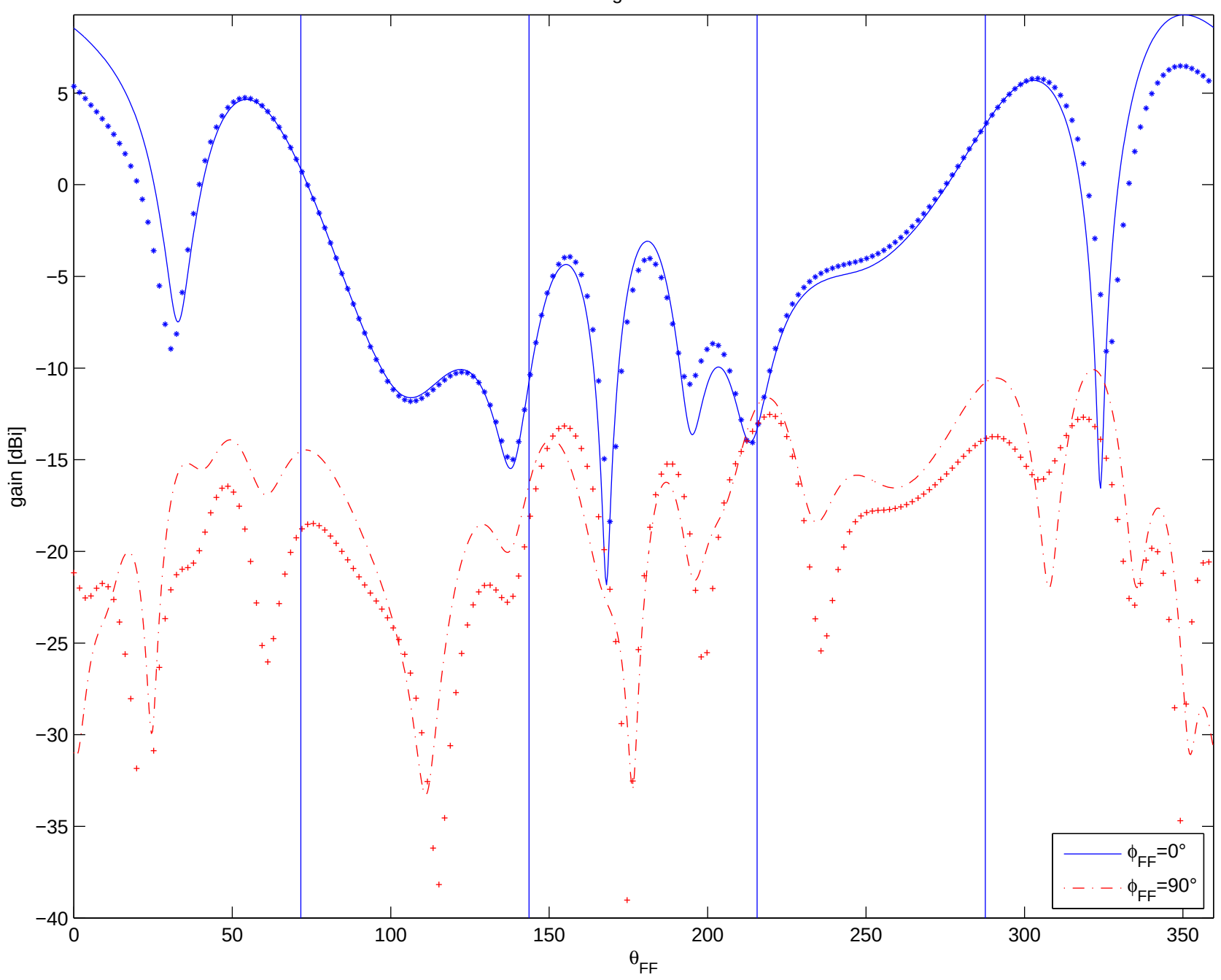

Max. gain ϕ_{pol} = 6.35 [dBi]
Max. refGain ϕ_{pol} = 6.335 [dBi]
Angle : 00°
gain [dBi]
θ_{FF}
ϕ_{FF}=0°
ϕ_{FF}=90°
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350

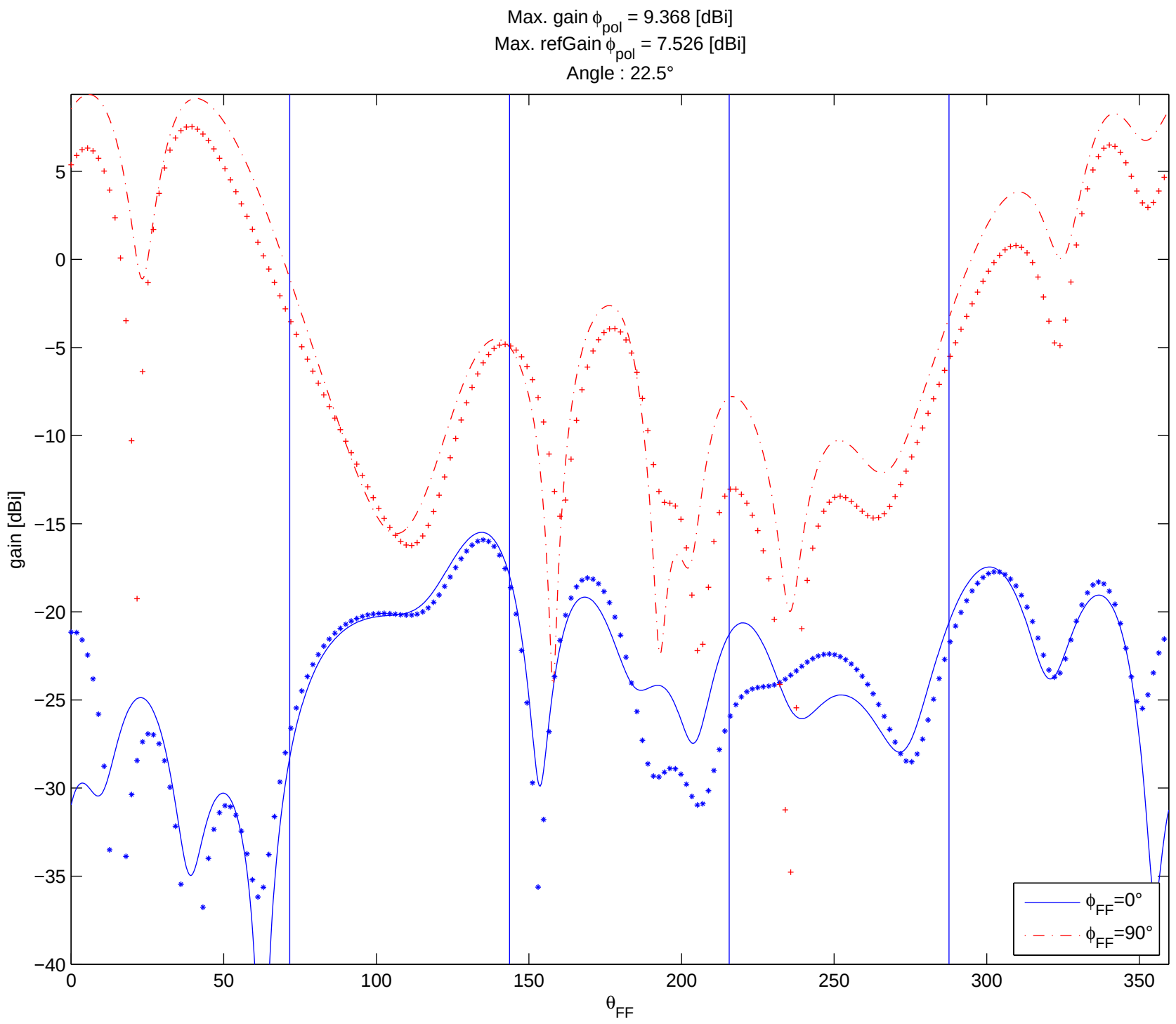

Max. gain θpol = 9.743 [dBi]
Max. refGain θpol = 7.505 [dBi]
Angle : 7.5°
gain [dBi]
θFF
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°

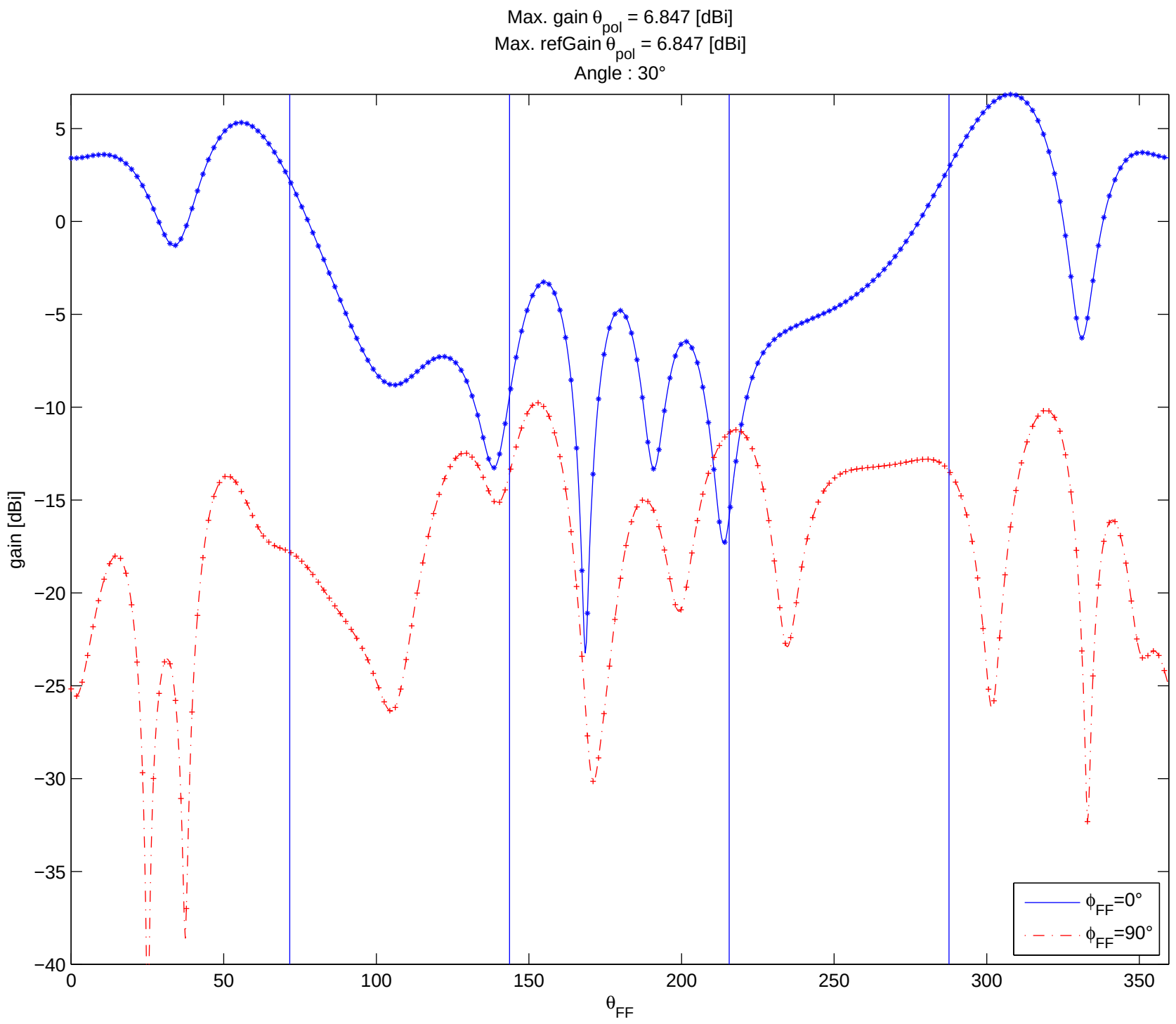

Max. gain ϕpol = 8.863 [dBi]
Max. refGain ϕpol = 7.22 [dBi]
Angle : 7.5°
gain [dBi]
θFF
ϕFF=0°
ϕFF=90°
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350

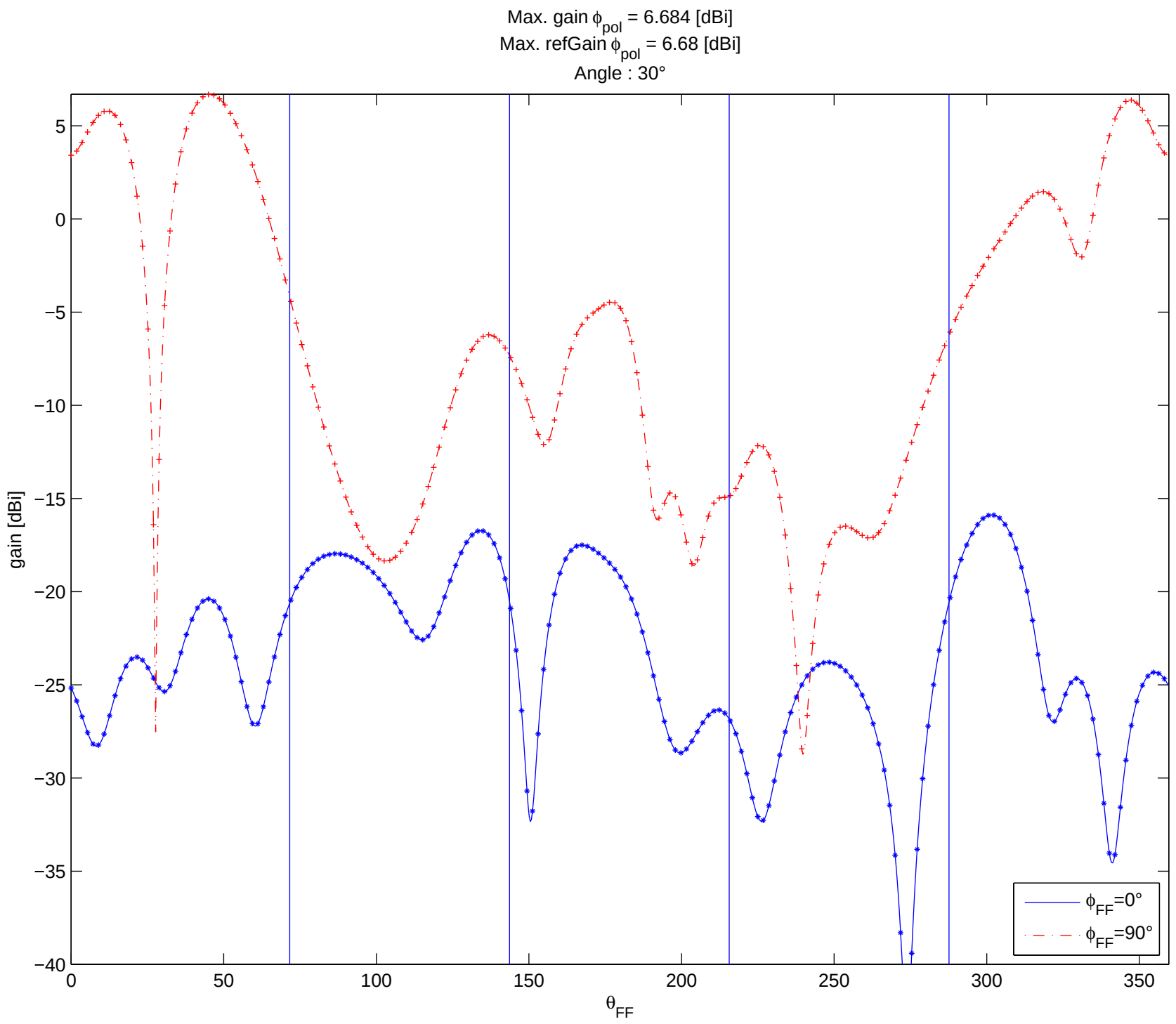

Max. gain θpol = 10.87 [dBi]
Max. refGain θpol = 6.993 [dBi]
Angle : 15°
gain [dBi]
θFF
ϕFF=0°
ϕFF=90°
10
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350

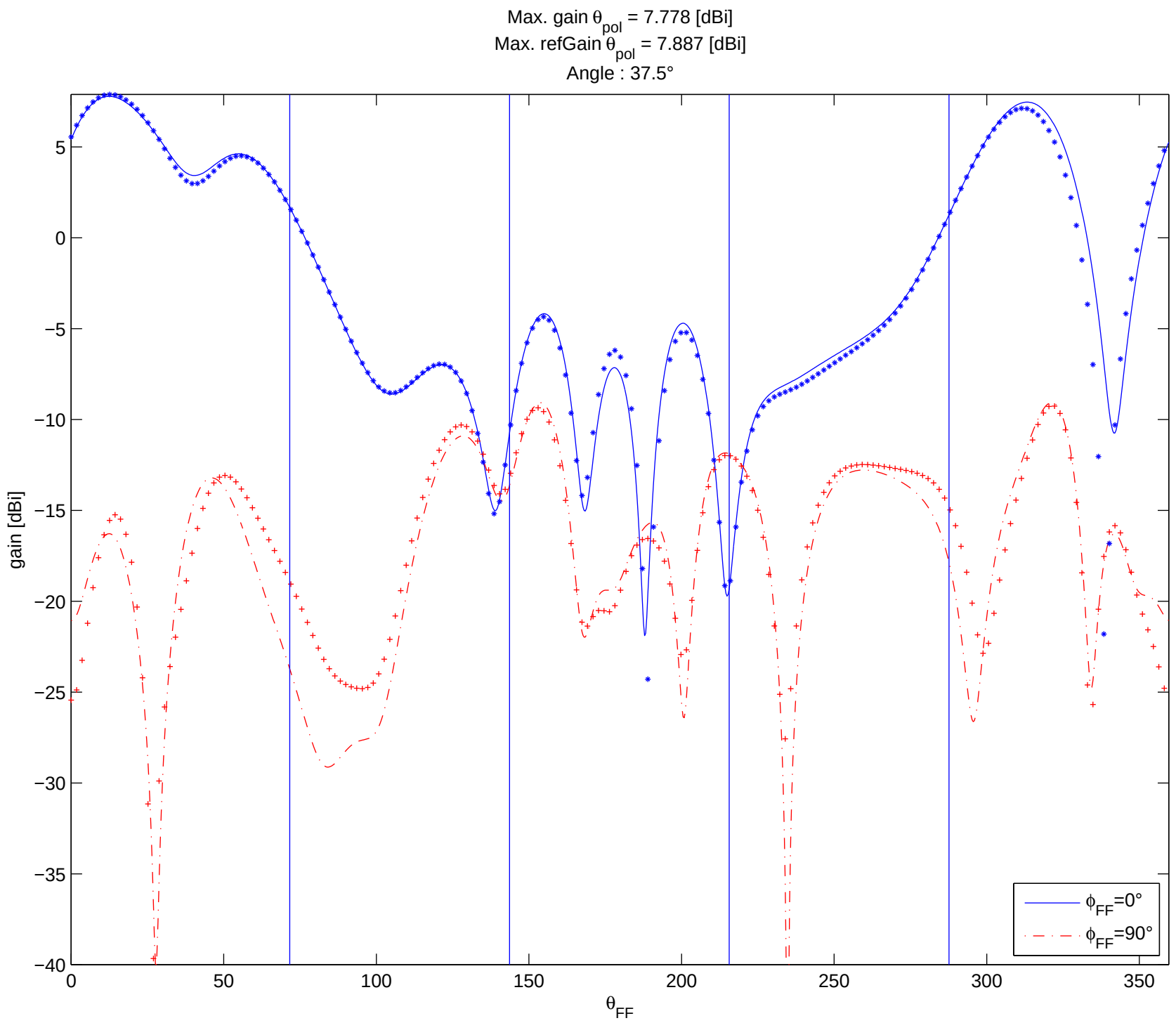

Max. gain ϕ_{pol} = 10.93 [dBi]
Max. refGain ϕ_{pol} = 7.684 [dBi]
Angle : 15°
gain [dBi]
θ_{FF}
ϕ_{FF}=0°
ϕ_{FF}=90°

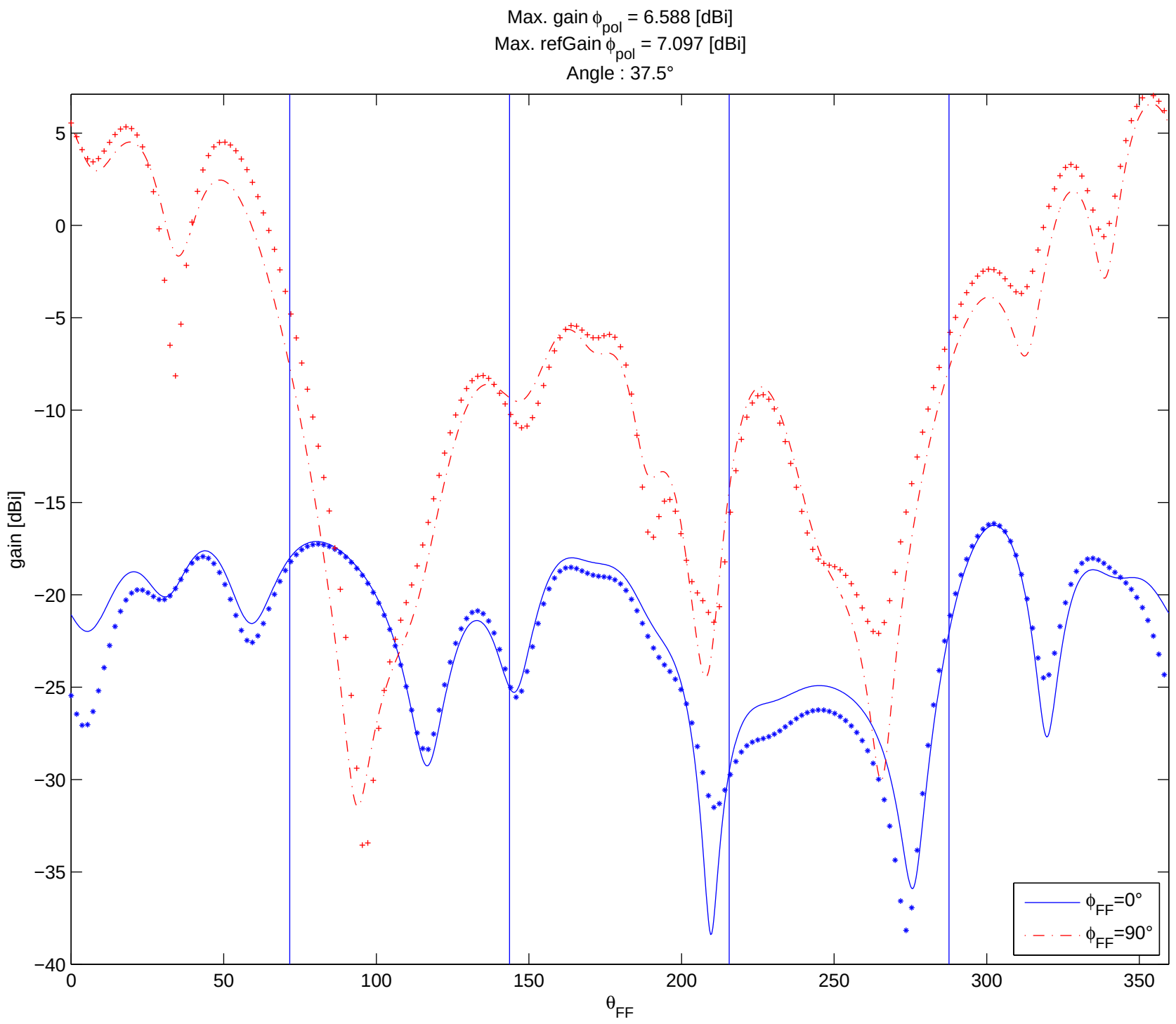

Max. gain θpol = 9.27 [dBi]
Max. refGain θpol = 6.484 [dBi]
Angle : 22.5°
gain [dBi]
θFF
ϕFF=0°
ϕFF=90°
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350

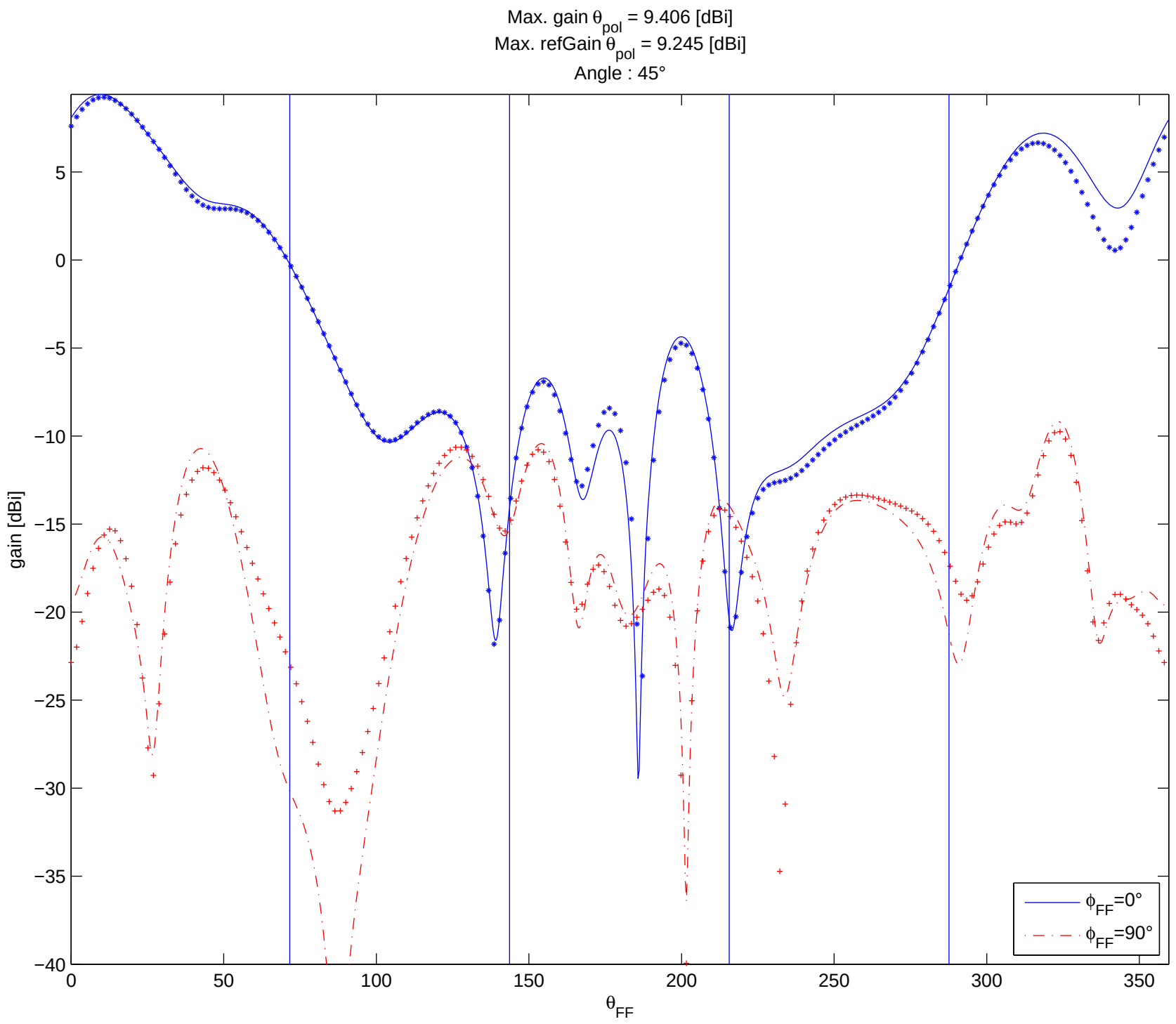

Max. gain ϕ_{pol} = 9.368 [dBi]
Max. refGain ϕ_{pol} = 7.526 [dBi]
Angle : 22.5°
gain [dBi]
θ_{FF}
ϕ_{FF}=0°
ϕ_{FF}=90°

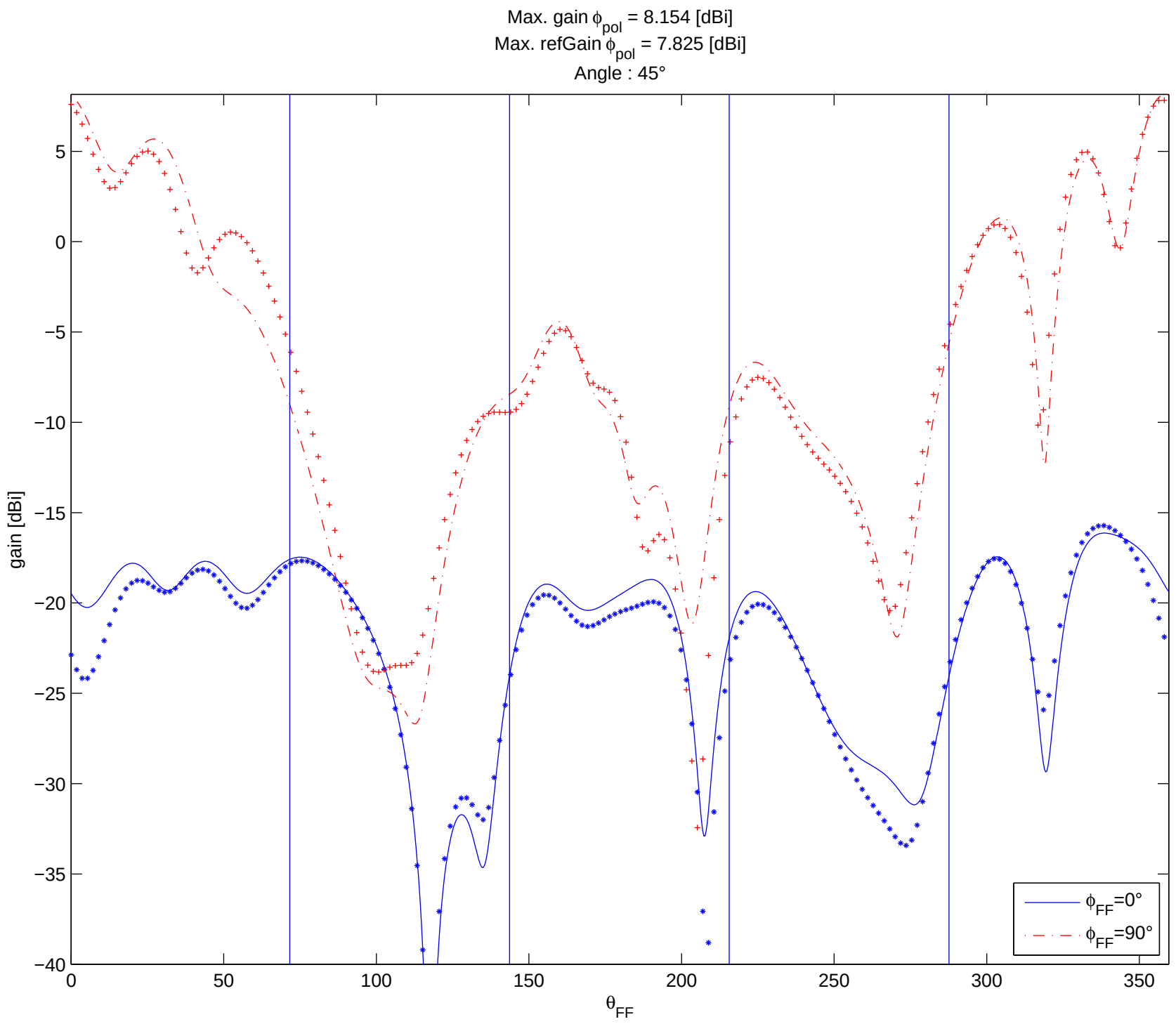

Max. gain θpol = 6.847 [dBi]
Max. refGain θpol = 6.847 [dBi]
Angle : 30°
gain [dBi]
θFF
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°

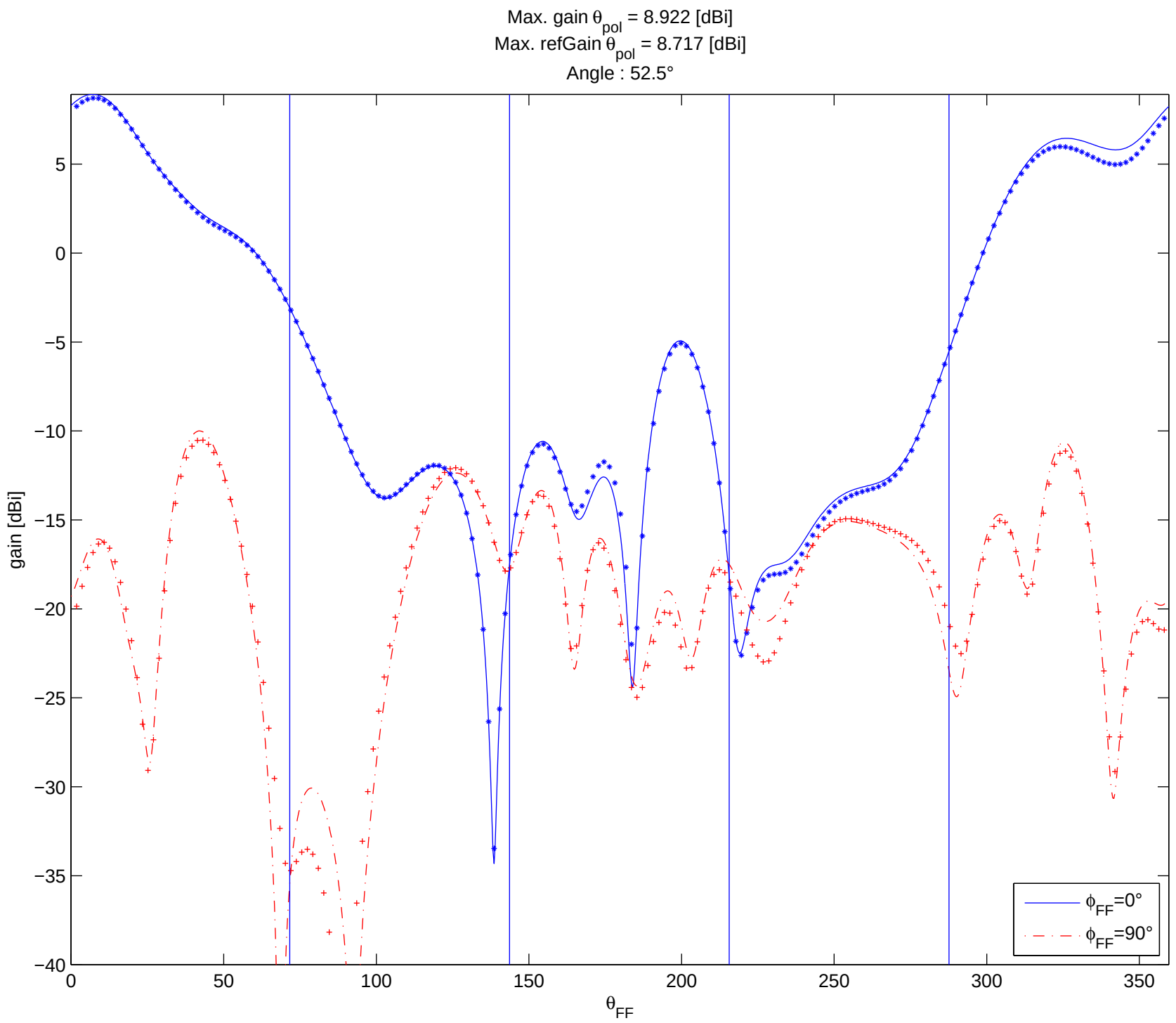

Max. gain ϕpol = 6.684 [dBi]
Max. refGain ϕpol = 6.68 [dBi]
Angle : 30°
gain [dBi]
θFF
ϕFF=0°
ϕFF=90°
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350

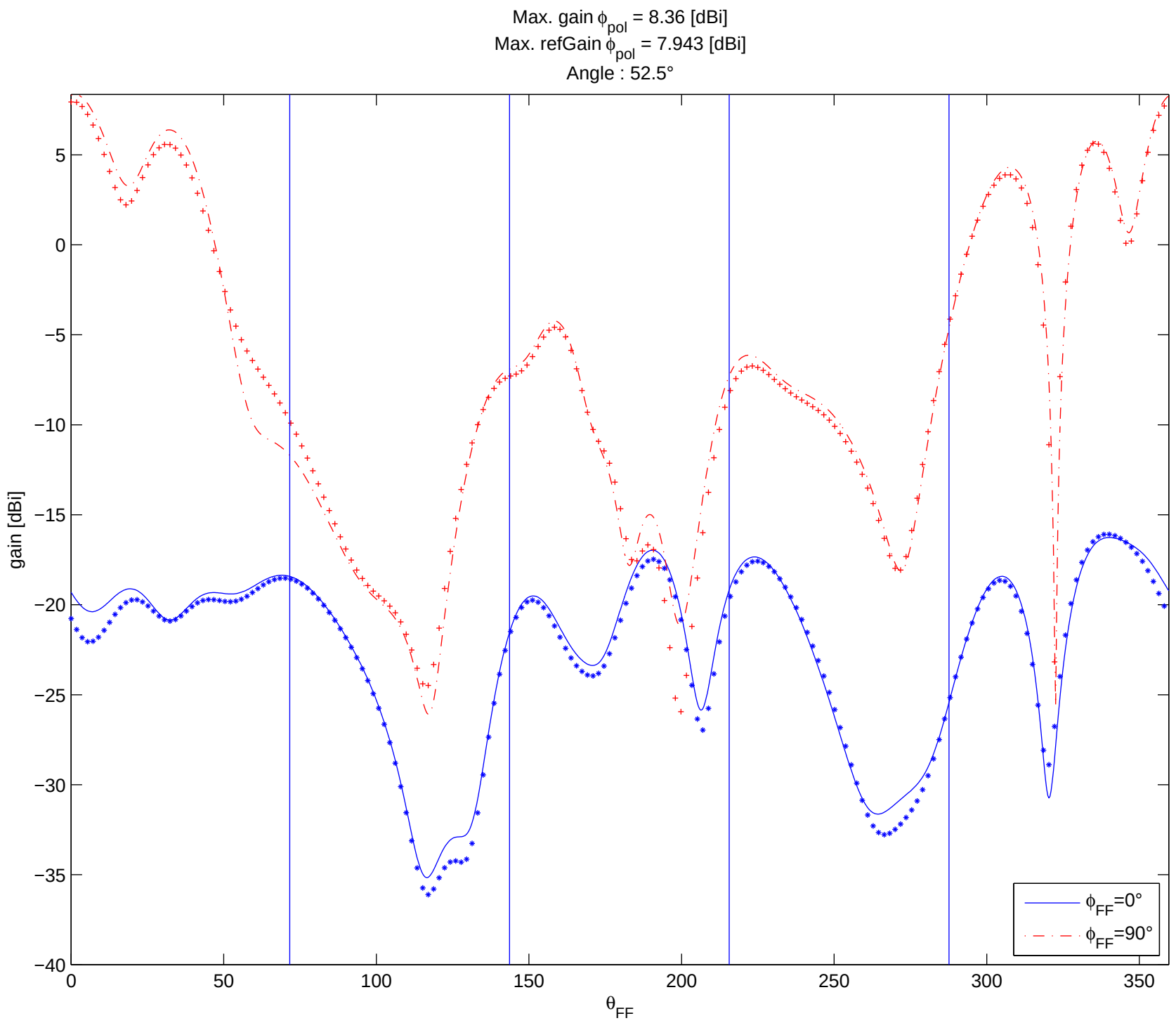

Max. gain θpol = 7.778 [dBi]
Max. refGain θpol = 7.887 [dBi]
Angle : 37.5°
gain [dBi]
θFF
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°

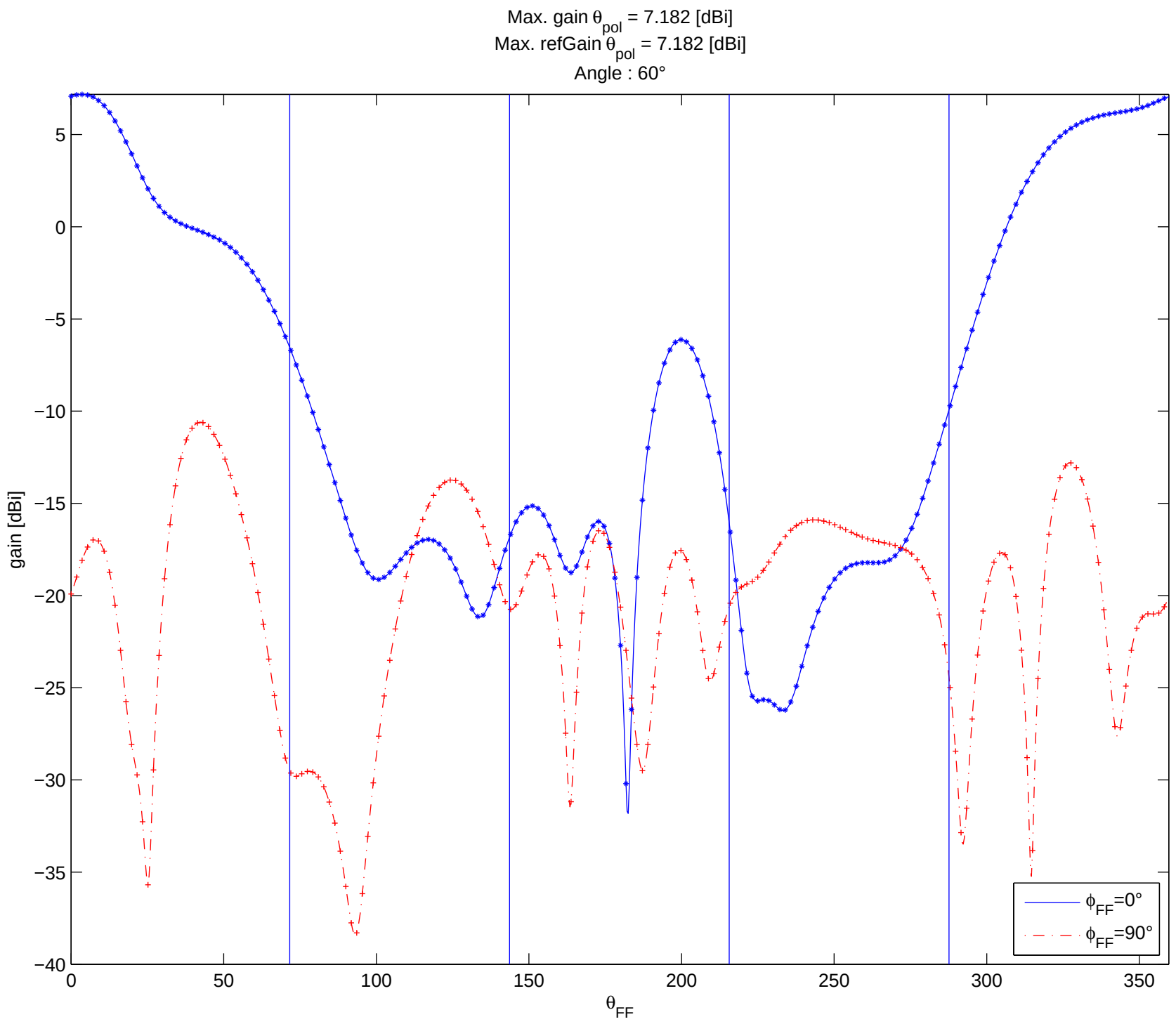

Max. gain ϕpol = 6.588 [dBi]
Max. refGain ϕpol = 7.097 [dBi]
Angle : 37.5°
gain [dBi]
θFF
ϕFF=0°
ϕFF=90°
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350

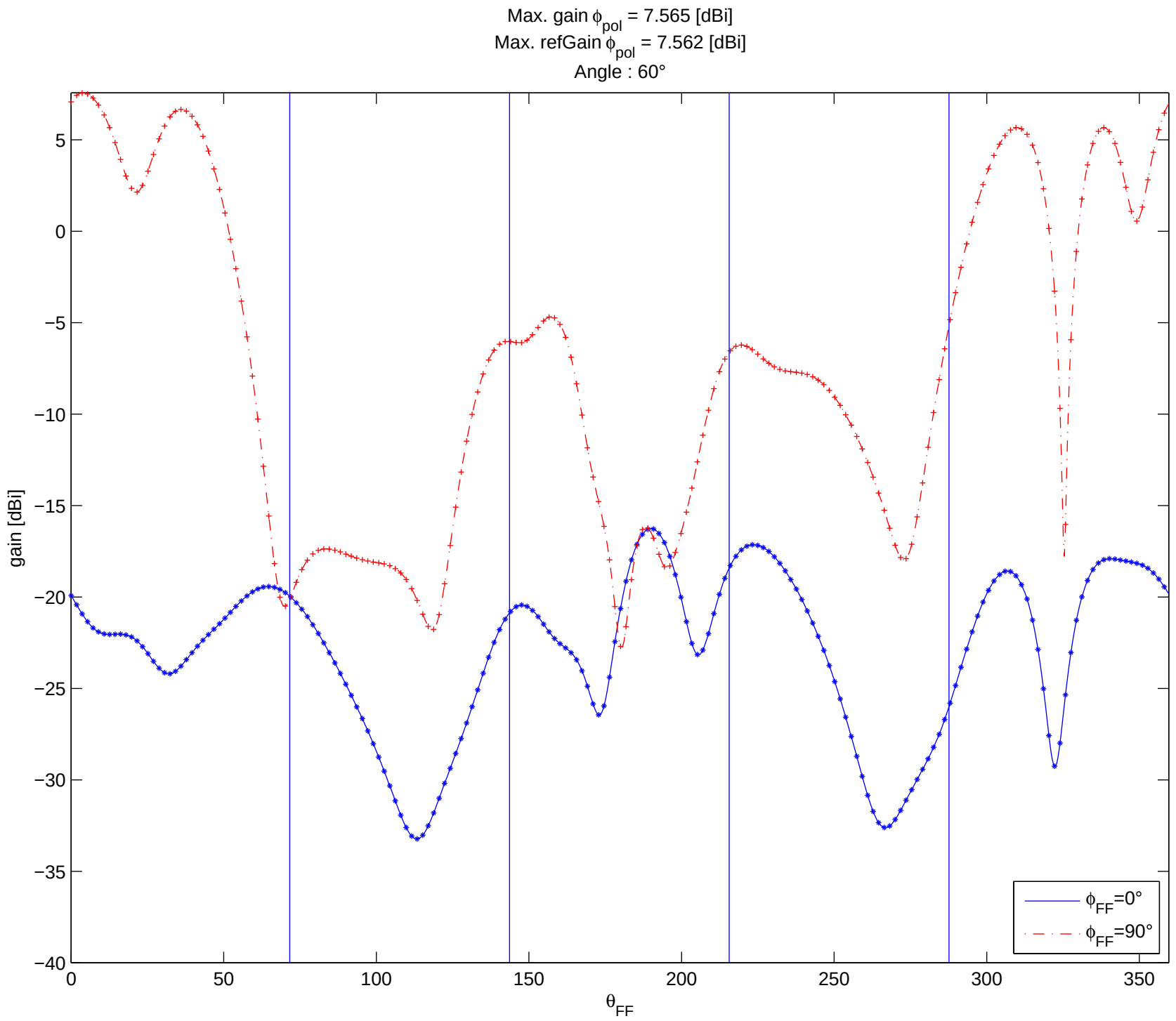

Max. gain θpol = 9.406 [dBi]
Max. refGain θpol = 9.245 [dBi]
Angle : 45°
gain [dBi]
θFF
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°

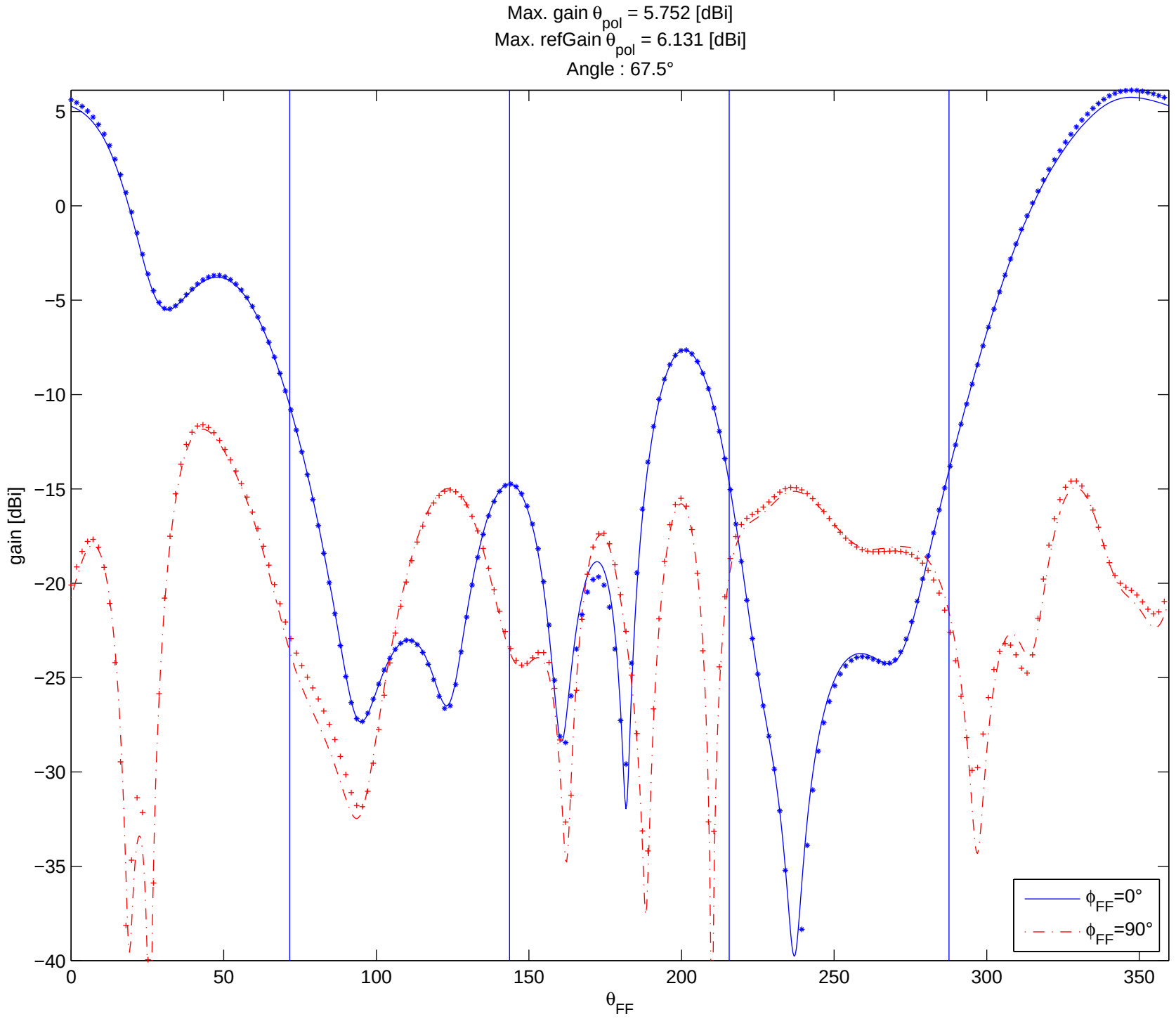

Max. gain ϕ_{pol} = 8.154 [dBi]
Max. refGain ϕ_{pol} = 7.825 [dBi]
Angle : 45°
gain [dBi]
θ_{FF}
ϕ_{FF}=0°
ϕ_{FF}=90°

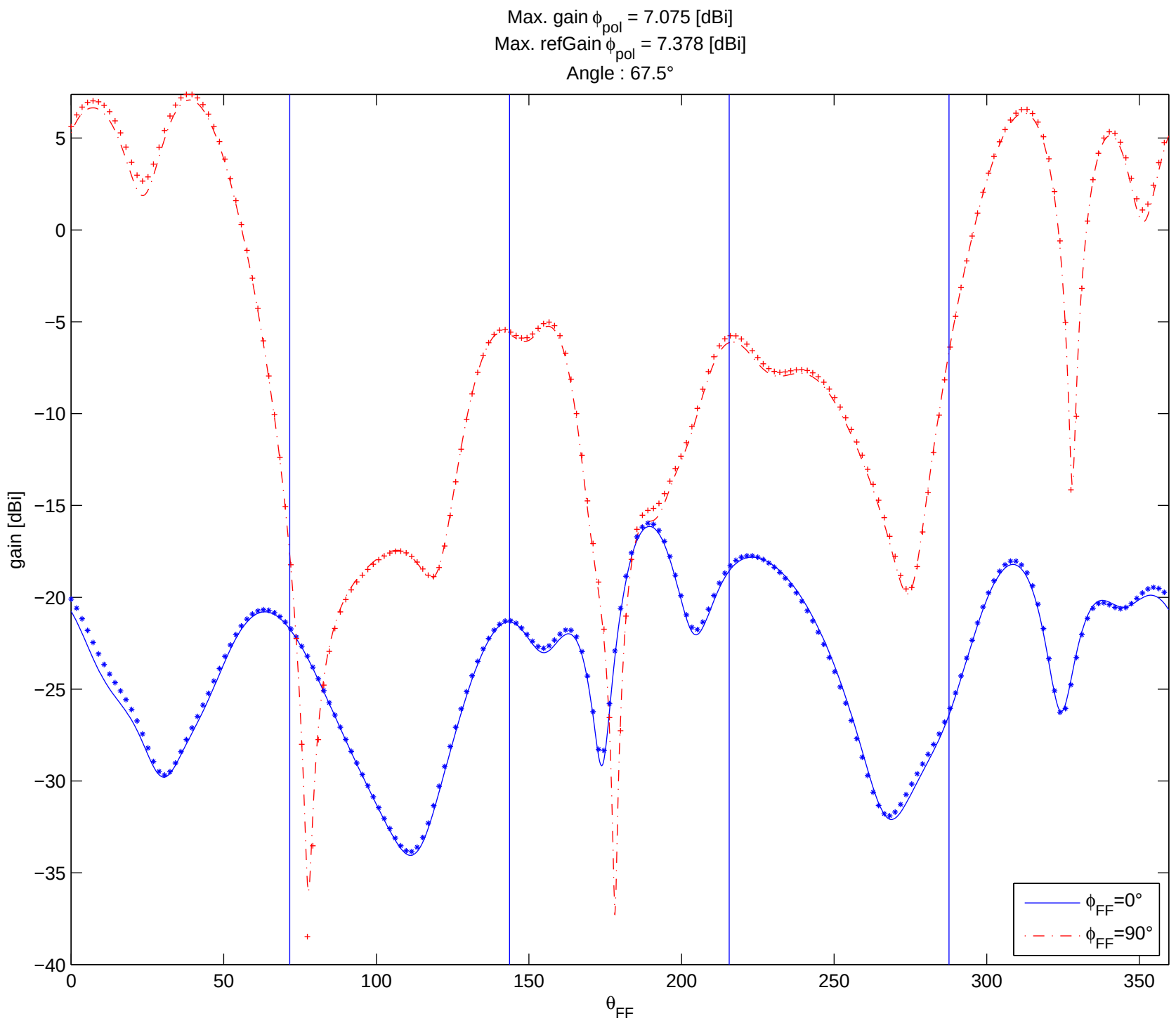

Max. gain θpol = 8.922 [dBi]
Max. refGain θpol = 8.717 [dBi]
Angle : 52.5°
gain [dBi]
θFF
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°

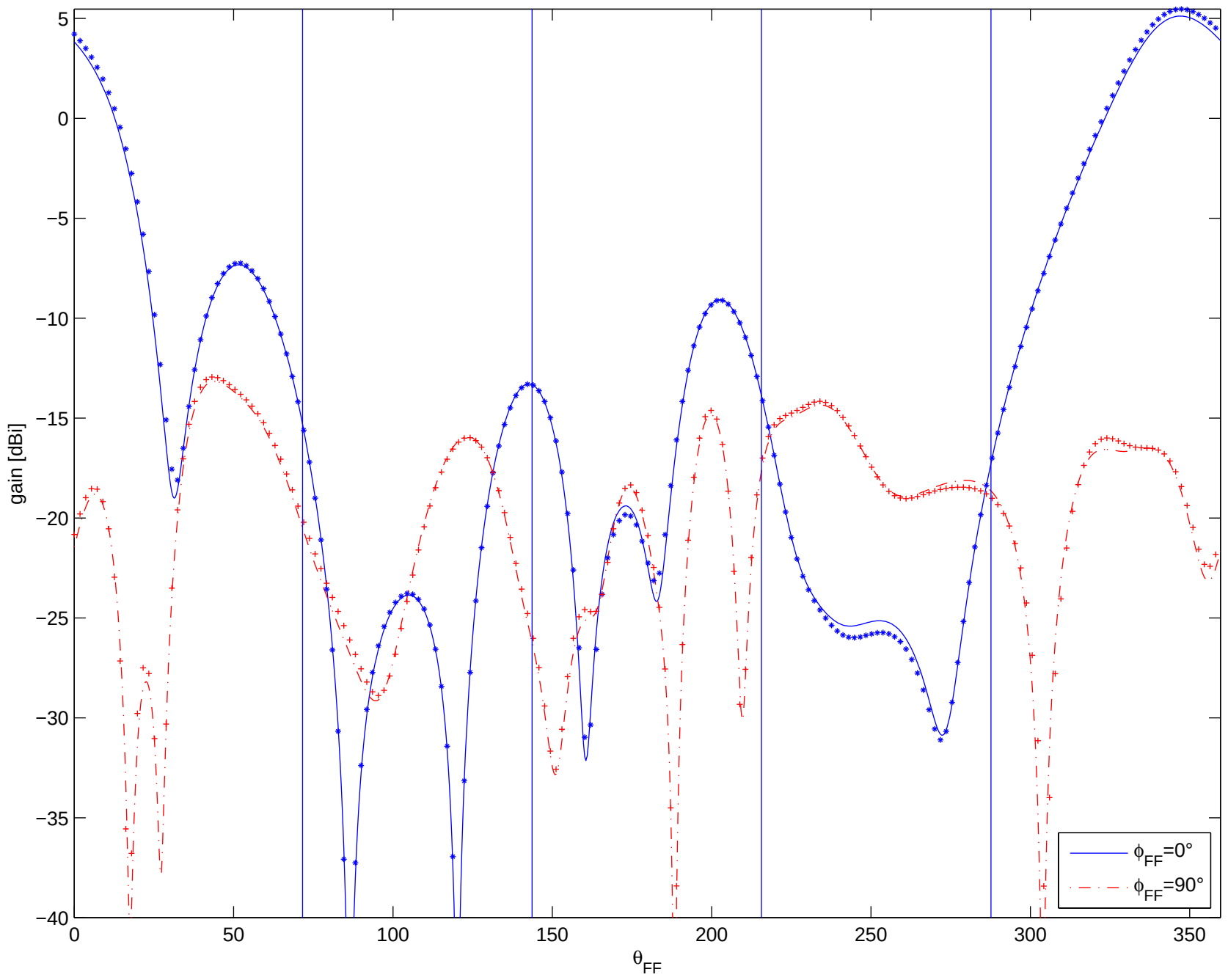

Max. gain ϕpol = 8.36 [dBi]
Max. refGain ϕpol = 7.943 [dBi]
Angle : 52.5°
gain [dBi]
θFF
ϕFF=0°
ϕFF=90°
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350

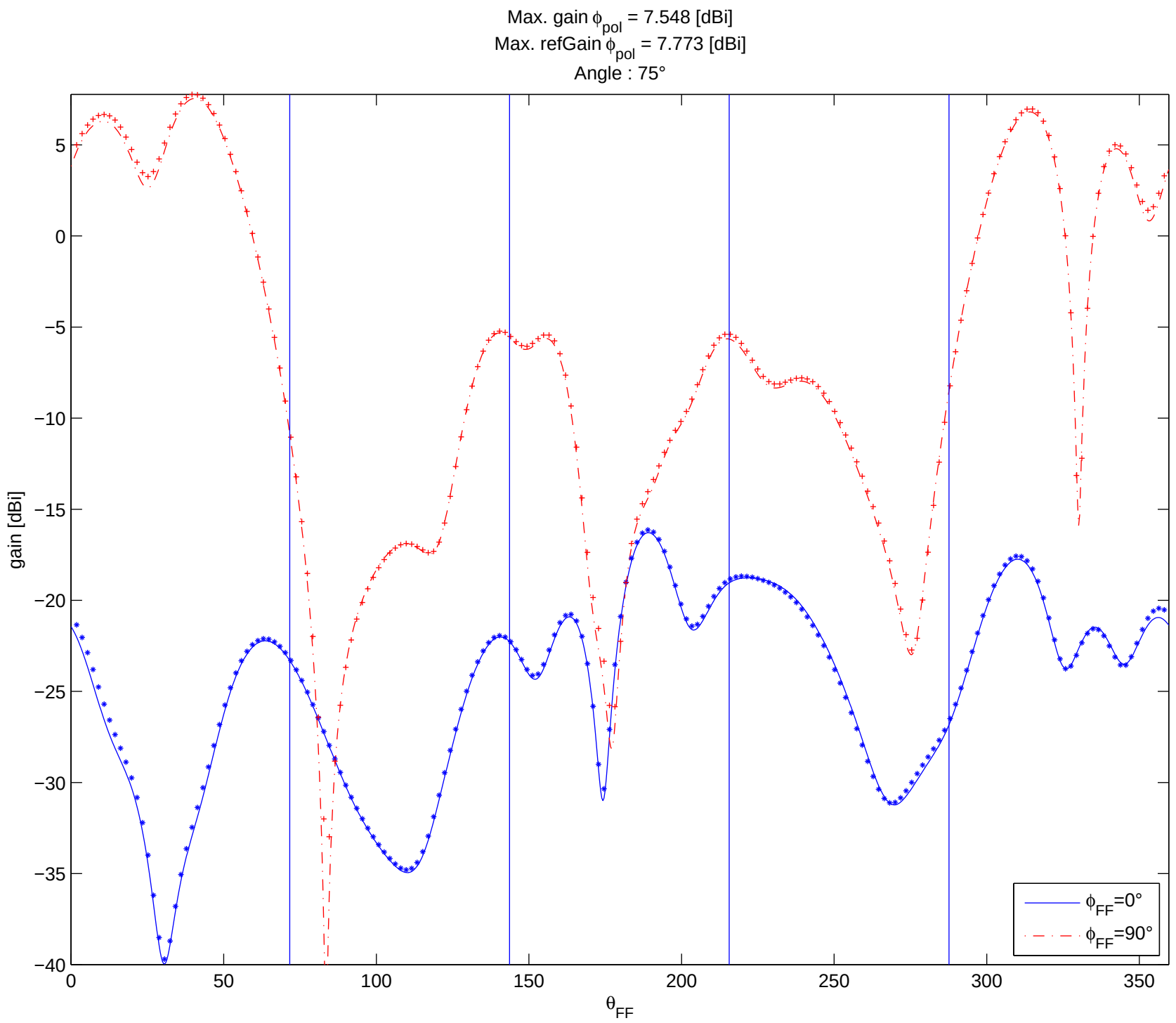

Max. gain θpol = 7.182 [dBi]
Max. refGain θpol = 7.182 [dBi]
Angle : 60°
gain [dBi]
θFF
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°

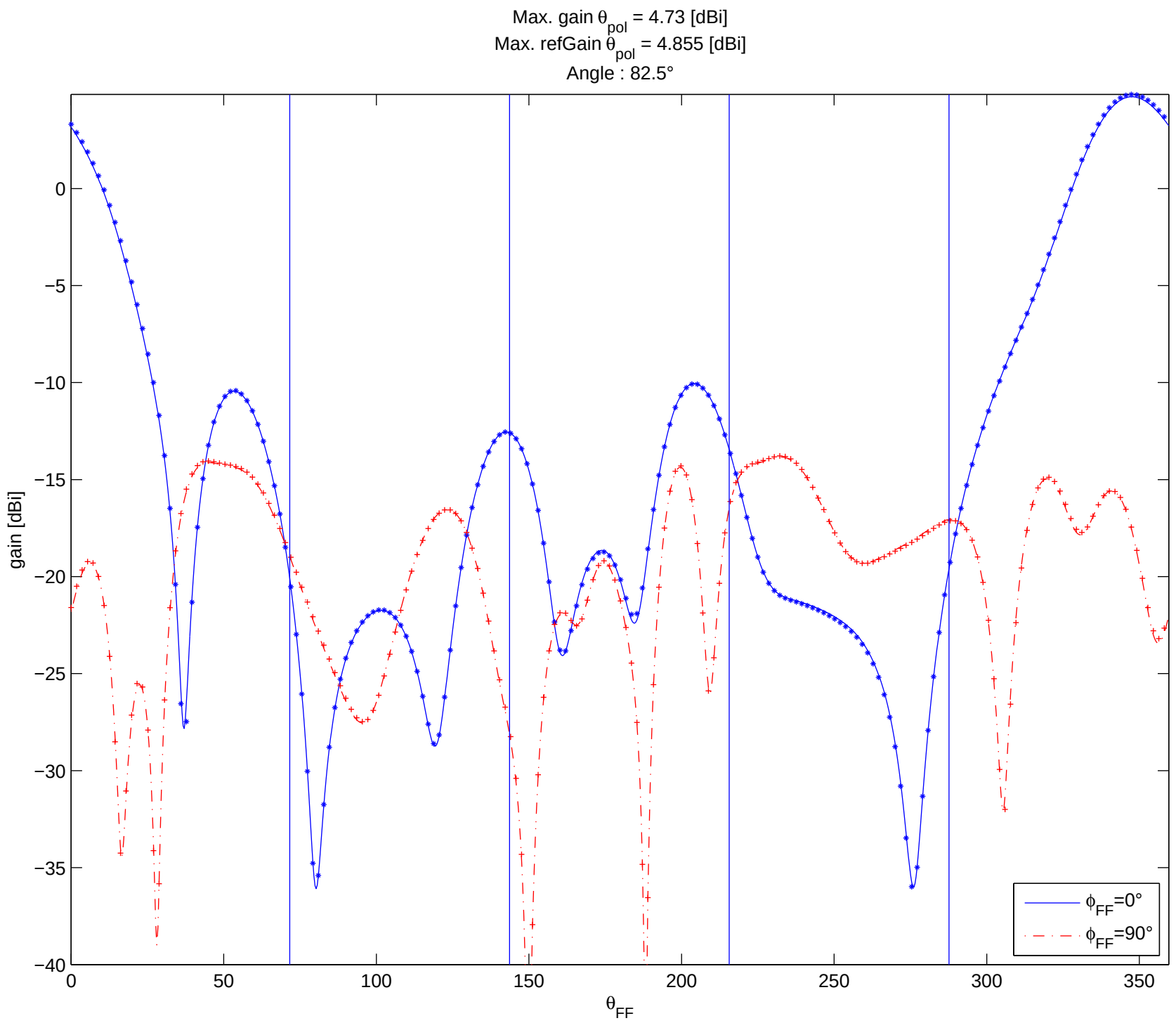

Max. gain ϕ_{pol} = 7.565 [dBi]
Max. refGain ϕ_{pol} = 7.562 [dBi]
Angle : 60°
gain [dBi]
θ_{FF}
ϕ_{FF}=0°
ϕ_{FF}=90°
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350

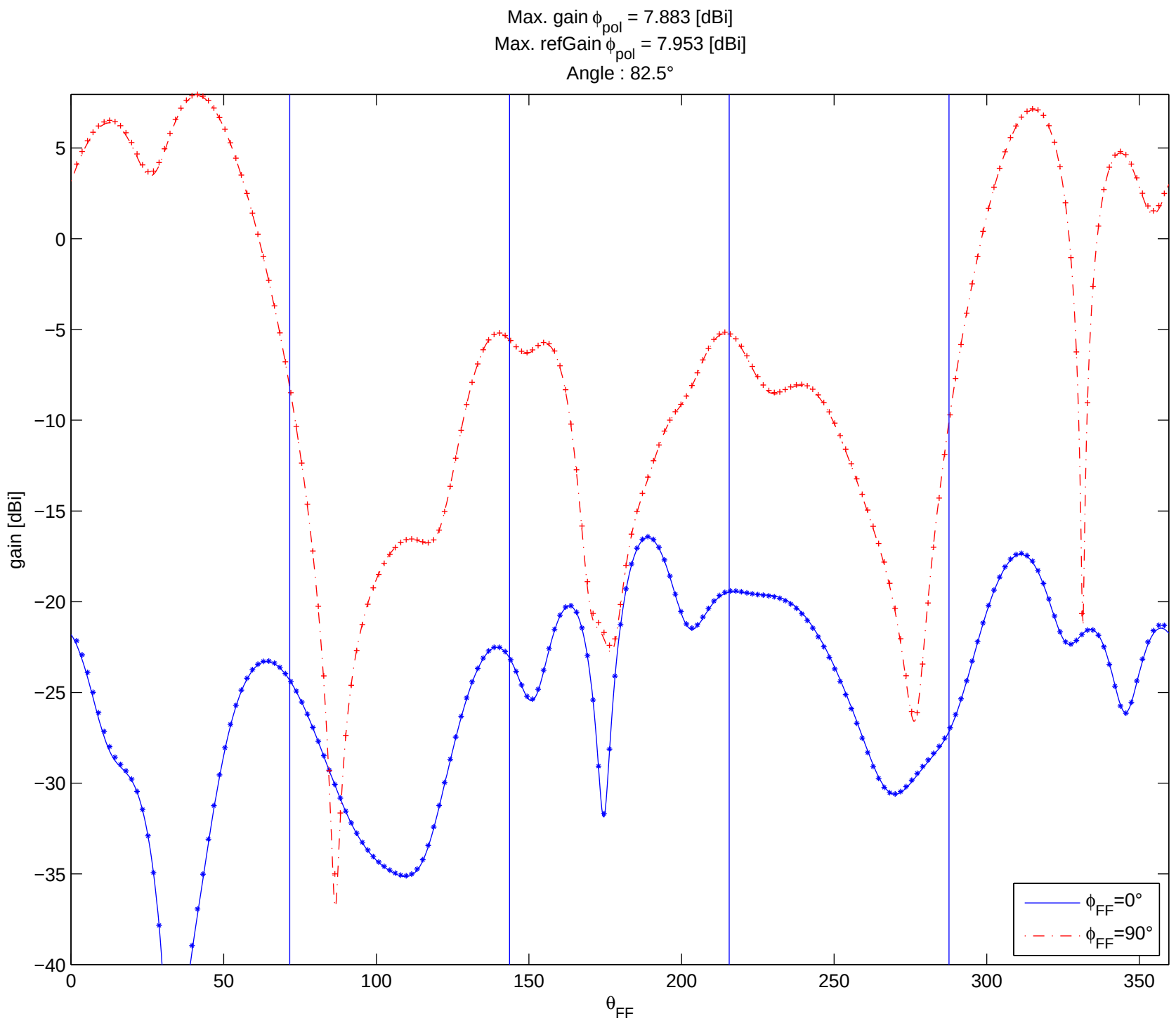

Max. gain θpol = 5.752 [dBi]
Max. refGain θpol = 6.131 [dBi]
Angle : 67.5°
gain [dBi]
θFF
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°

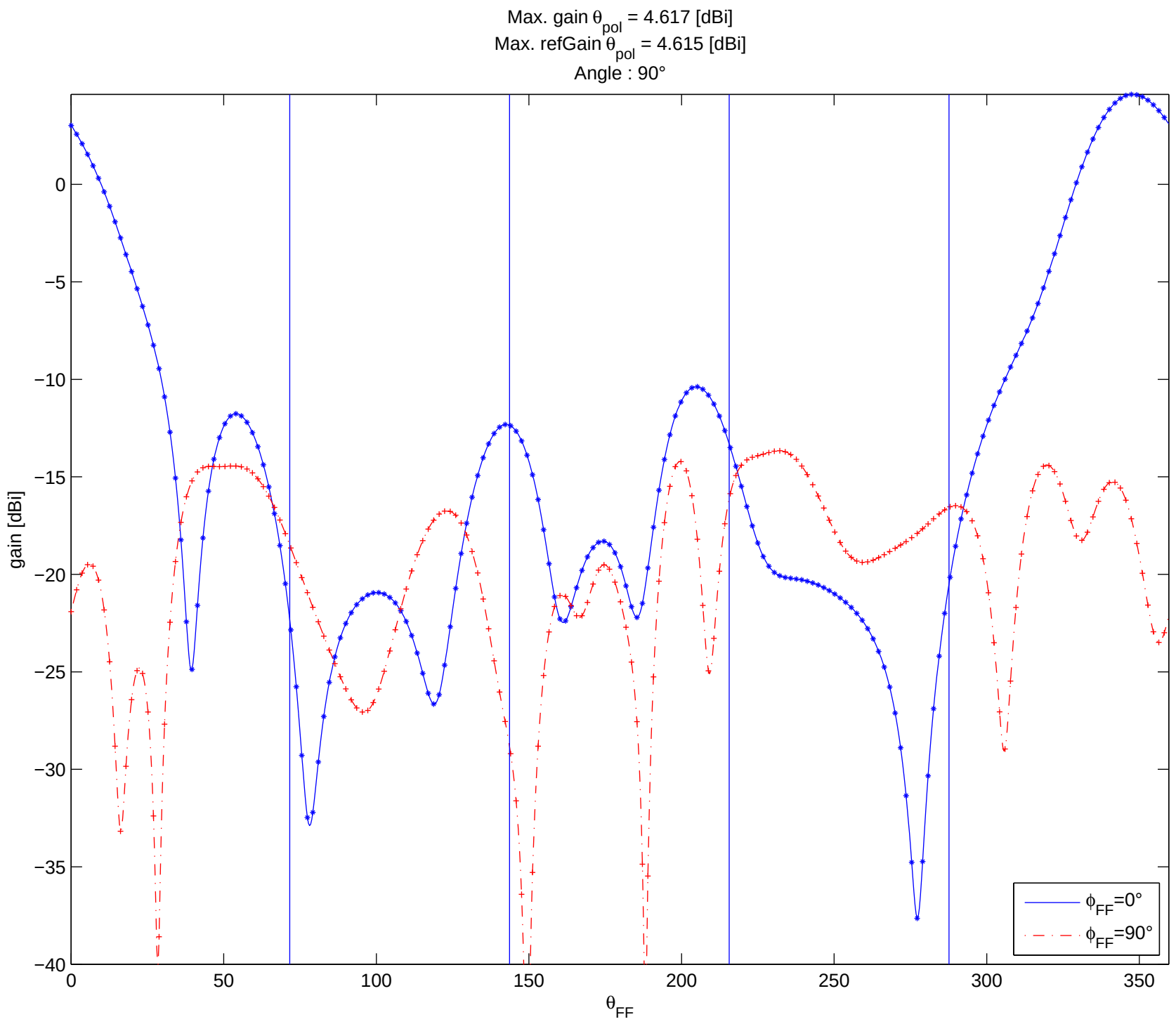

Max. gain ϕpol = 7.075 [dBi]
Max. refGain ϕpol = 7.378 [dBi]
Angle : 67.5°
gain [dBi]
θFF
ϕFF=0°
ϕFF=90°
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350

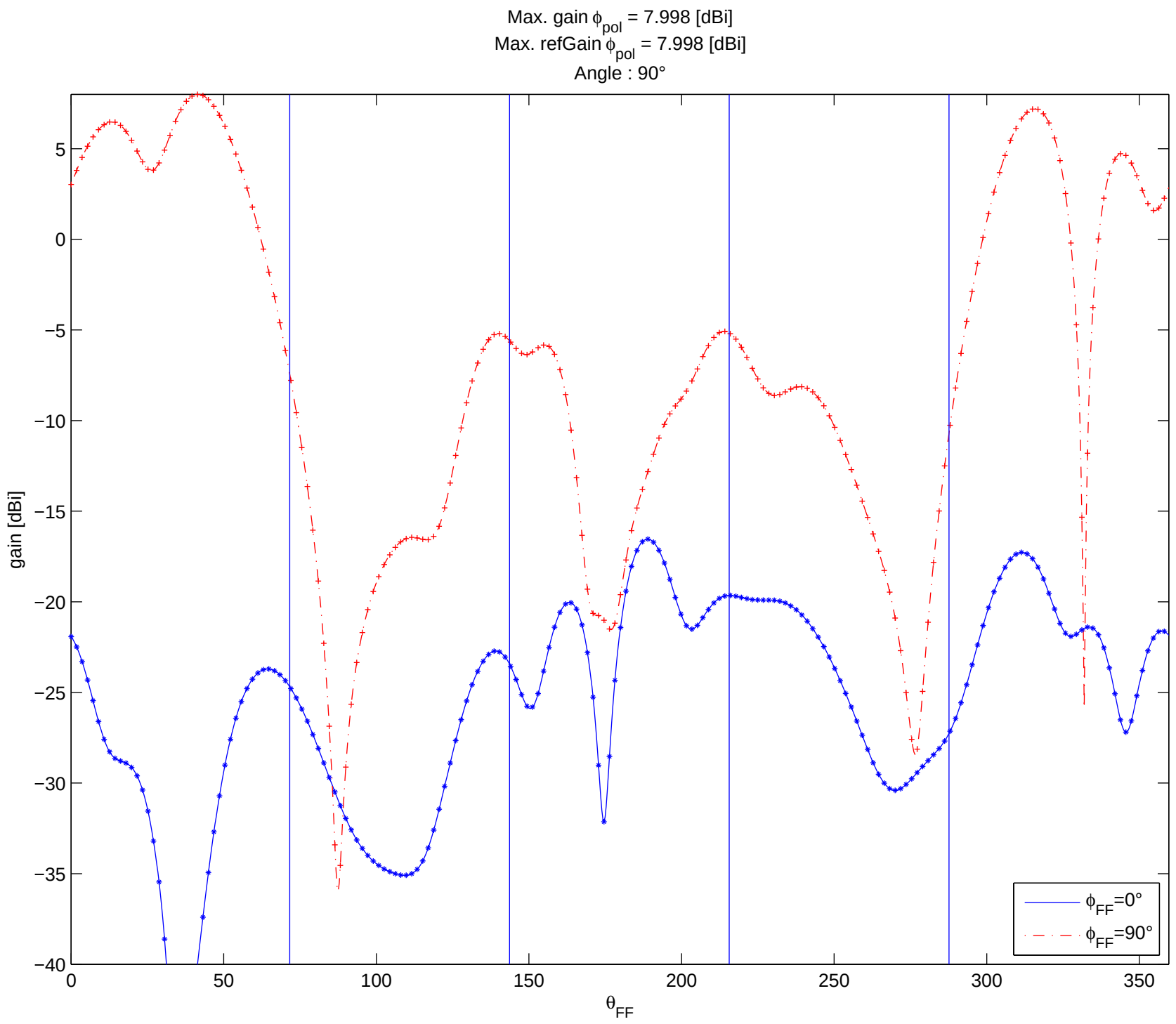

Max. gain θpol = 5.114 [dBi]
Max. refGain θpol = 5.468 [dBi]
Angle : 75°
gain [dBi]
θFF
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°

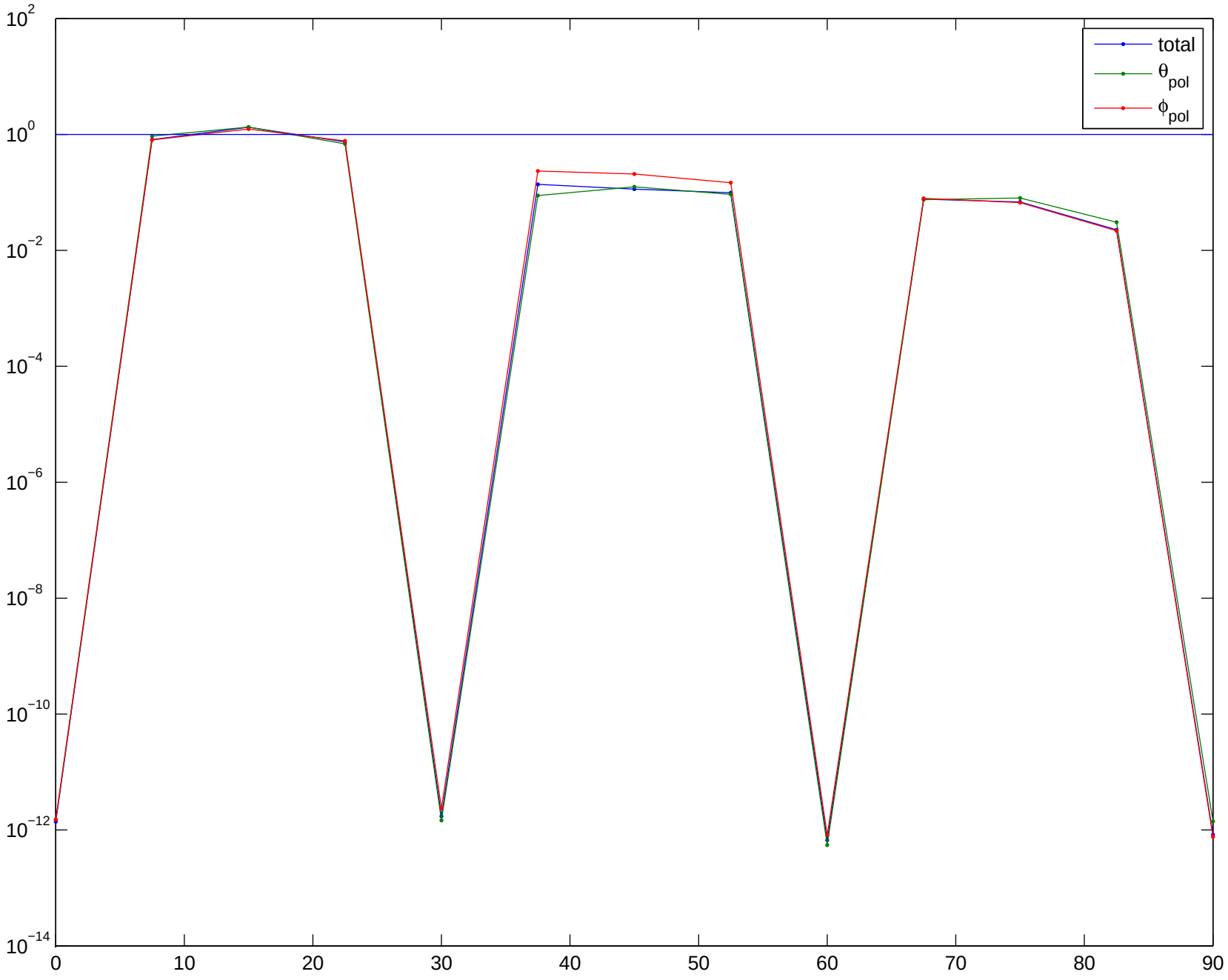

Max. gain ϕ_{pol} = 7.548 [dBi]
Max. refGain ϕ_{pol} = 7.773 [dBi]
Angle : 75°
gain [dBi]
θ_{FF}
ϕ_{FF}=0°
ϕ_{FF}=90°

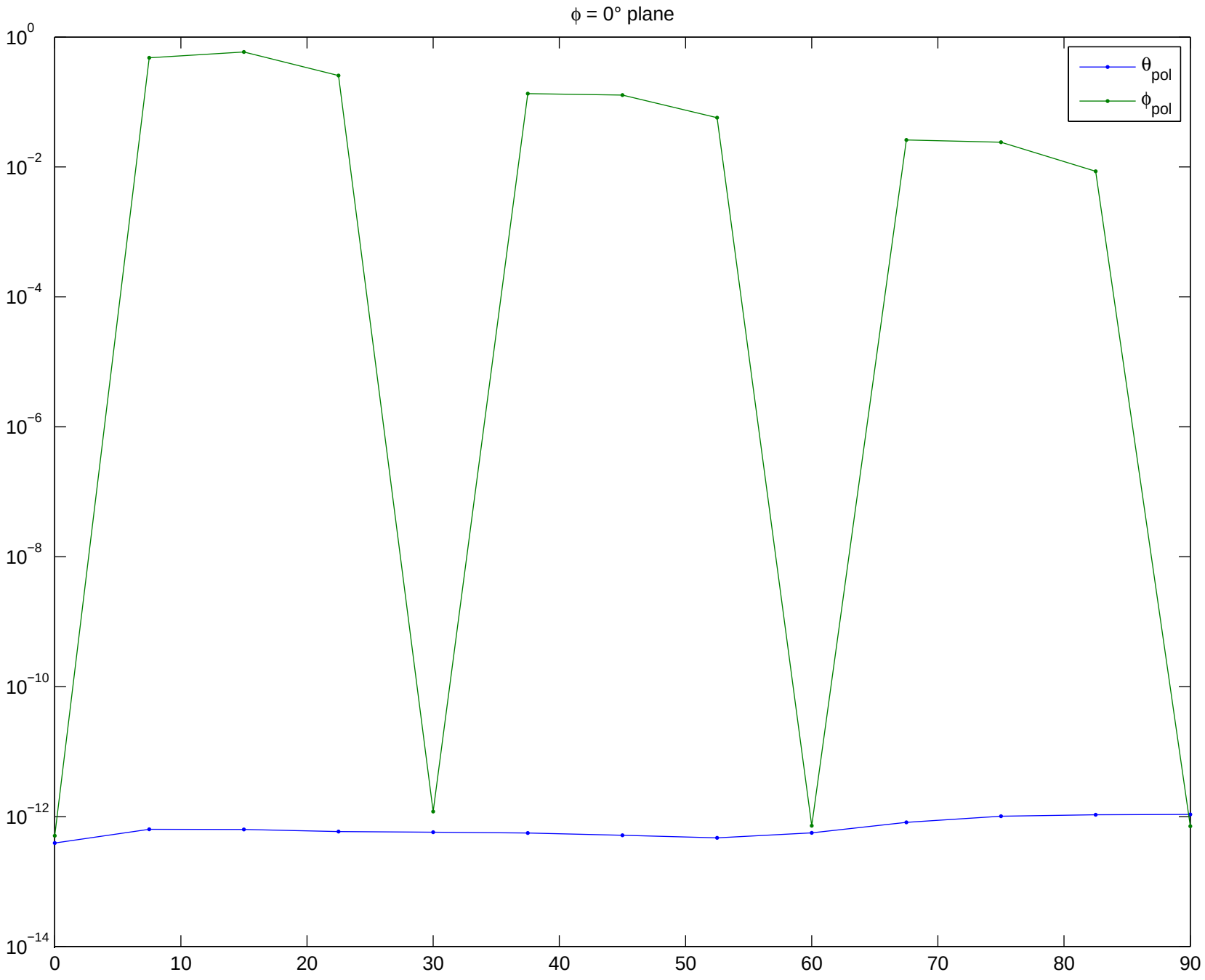

Max. gain θpol = 4.73 [dBi]
Max. refGain θpol = 4.855 [dBi]
Angle : 82.5°
gain [dBi]
θFF
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°

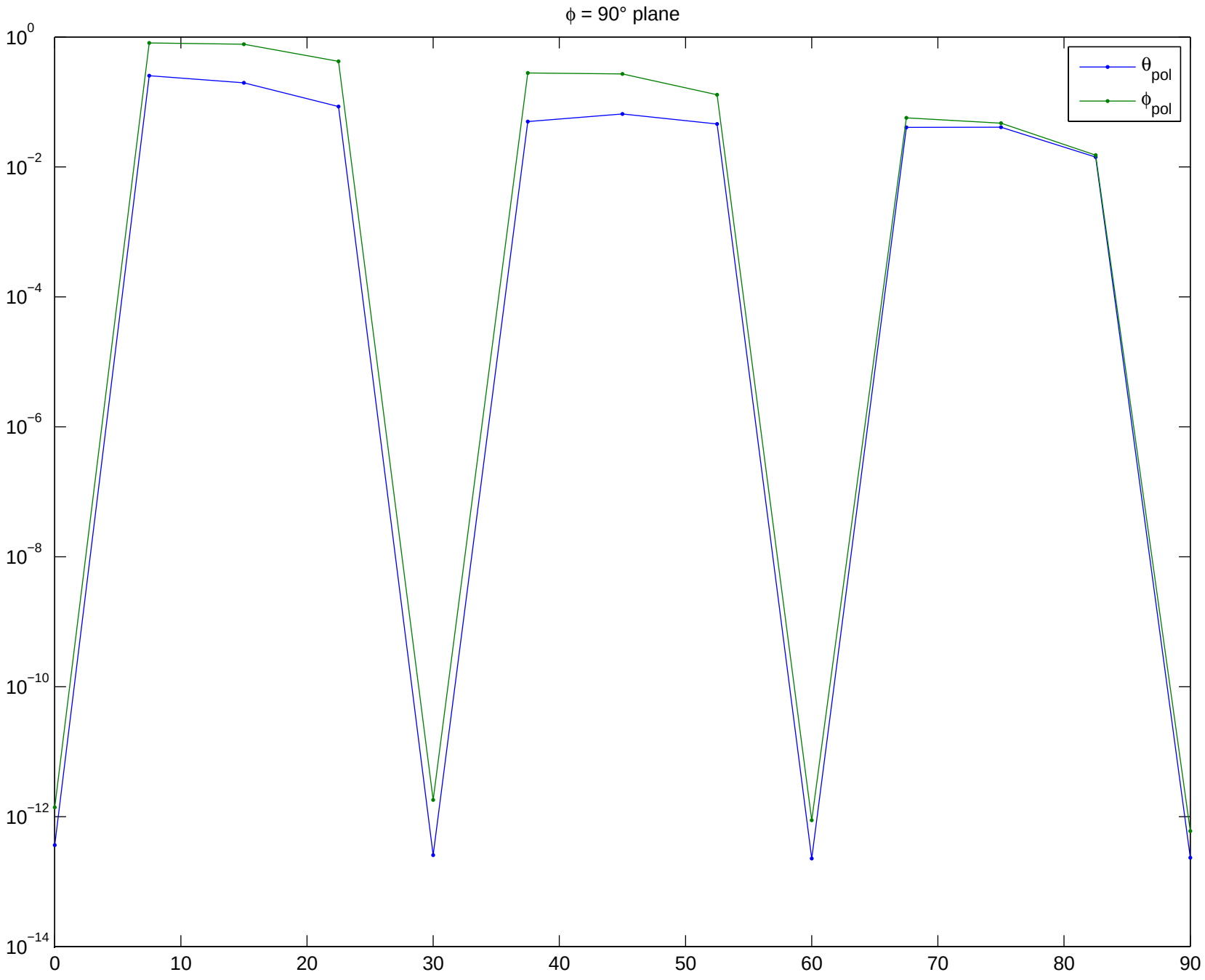

Max. gain ϕ_{pol} = 7.883 [dBi]
Max. refGain ϕ_{pol} = 7.953 [dBi]
Angle : 82.5°
gain [dBi]
θ_{FF}
ϕ_{FF}=0°
ϕ_{FF}=90°
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350


Max. gain θpol = 4.617 [dBi]
Max. refGain θpol = 4.615 [dBi]
Angle : 90°
gain [dBi]
θFF
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350
ϕFF=0°
ϕFF=90°


Max. gain ϕpol = 7.998 [dBi]
Max. refGain ϕpol = 7.998 [dBi]
Angle : 90°
gain [dBi]
θFF
ϕFF=0°
ϕFF=90°
5
0
−5
−10
−15
−20
−25
−30
−35
−40
0
50
100
150
200
250
300
350


total
θpol
ϕpol
10^2
10^0
10^-2
10^-4
10^-6
10^-8
10^-10
10^-12
10^-14
0
10
20
30
40
50
60
70
80
90


ϕ = 0° plane
10^{0}
10^{-2}
10^{-4}
10^{-6}
10^{-8}
10^{-10}
10^{-12}
10^{-14}
0
10
20
30
40
50
60
70
80
90
θ_{pol}
ϕ_{pol}


ϕ = 90° plane
θpol
ϕpol
10^0
10^−2
10^−4
10^−6
10^−8
10^−10
10^−12
10^−14
0
10
20
30
40
50
60
70
80
90