

NF, Altitude = 0.525λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 0°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² 10¹ 10^{0.2} Amplitude Amplitude 00 01 10⁻¹ 10^{-2} 10^{0.1} XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.51.5 -30 -20 -1 0 2 -40 -10 Space [m] DFT coefficients

10

20

30

40

NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.

10^{0.2}

10^{0.1}

XZ plane

YZ plane

-1

-0.5

-2 -1.5

0.5

0

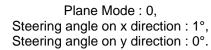
Space [m]

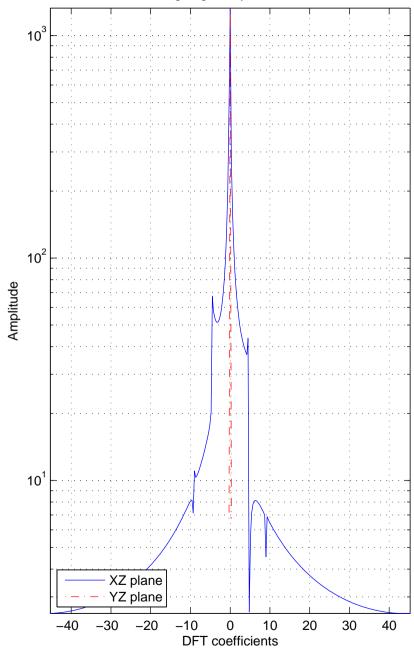
1.5

2

Amplitude







Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 2°, Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Steering angle on y direction: 0°. 10³ 10^{0.2 |} 10² Amplitude Amplitude 10¹ 10^{0.1} XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.51.5 -30 -20 -10 10 20 30 -1 0 2 -40 40 Space [m] DFT coefficients

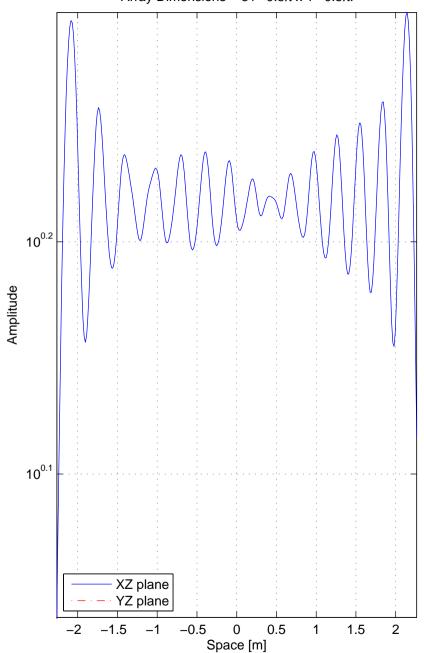
NF, Altitude = 0.525λ ,

NF, Altitude = 0.525λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 3°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.2 |} 10² Amplitude Amplitude 10 10^{0.1} XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 -1 0 2 -40 0 Space [m] DFT coefficients

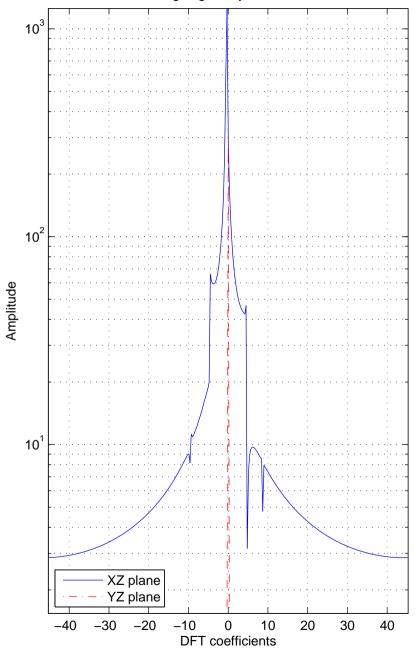
40

NF, Altitude = 0.525λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 4°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10² 10^{0.2} Amplitude Amplitude 10¹ 10^{0.1} 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 20 30 0 2 -10 10 40 Space [m] DFT coefficients

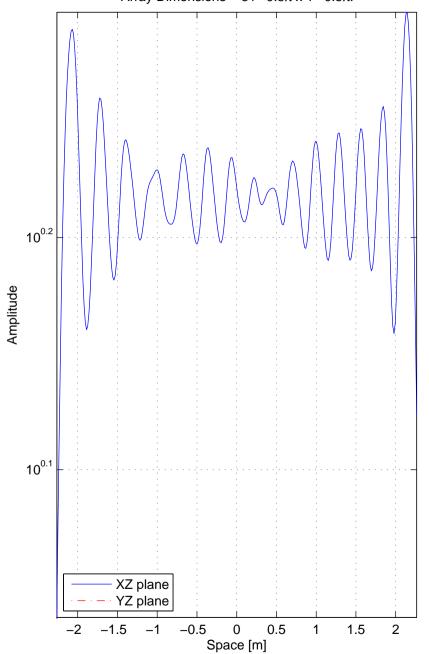
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



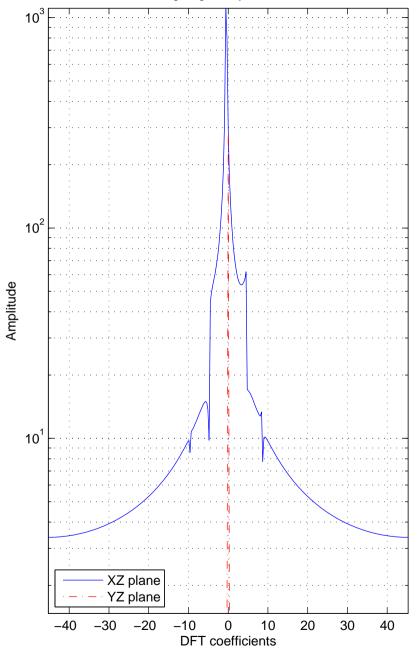
Plane Mode: 0, Steering angle on x direction : 5°, Steering angle on y direction : 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 6°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 7°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² 10^{0.2} Amplitude Amplitude 10¹ 10^{0.1} 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 10 20 30 0 2 -10 40 Space [m] DFT coefficients

NF, Altitude = 0.525λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 8°, Steering angle on y direction: 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.3} 10³ 10² 10^{0.2} Amplitude Amplitude 10¹ 10^{0.1} 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 -1 0 2 -40 0 40 Space [m] DFT coefficients

NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.3} 10^{0.2} l Amplitude 10^{0.1} XZ plane YZ plane

0.5

0

Space [m]

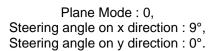
1.5

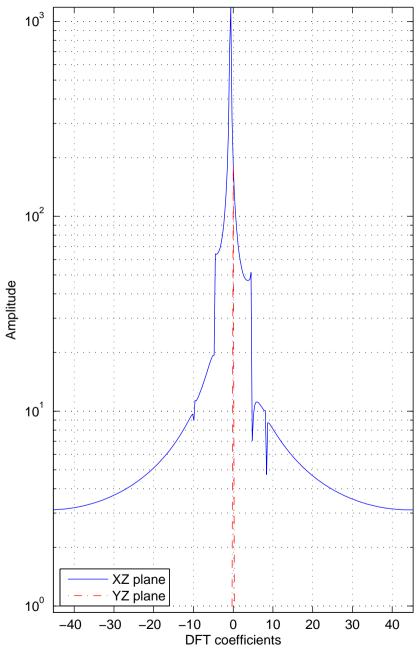
2

-0.5

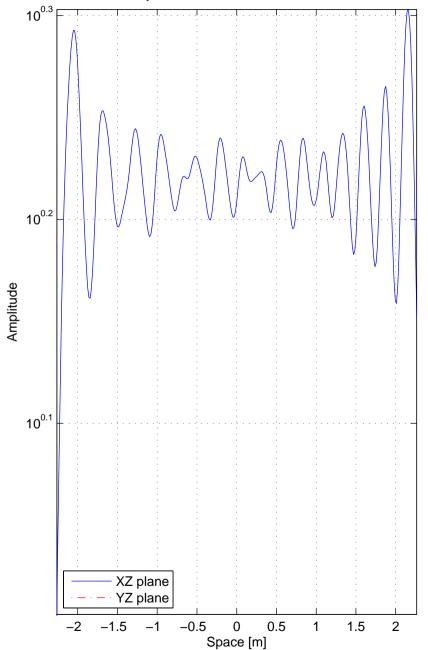
-1

-2 -1.5

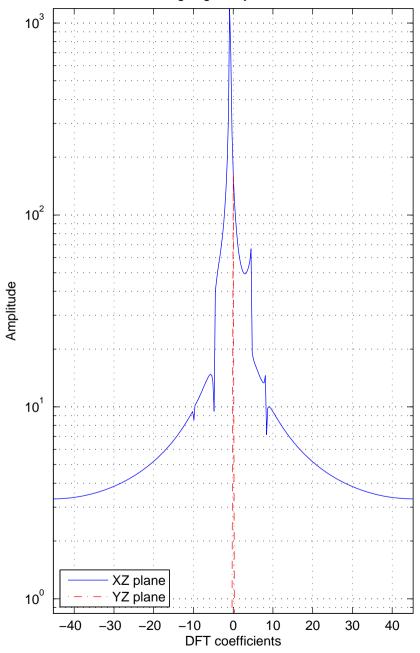




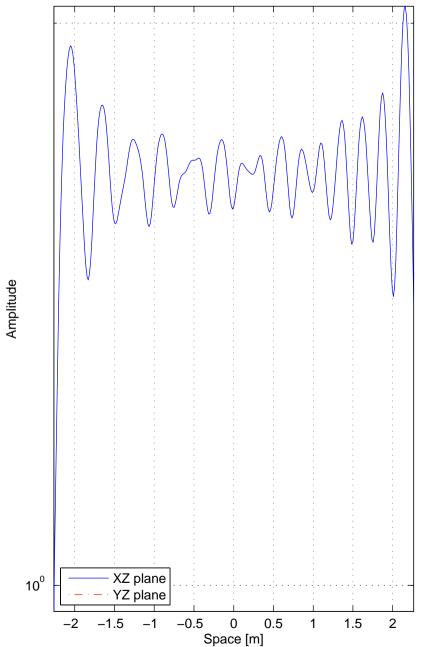
 $NF, \ Altitude = 0.525 \lambda, \\ Samples \ spacing = 0.05 \lambda, \ Extension = 0.075 \lambda, \\ Array \ Dimensions = 31 \cdot 0.5 \lambda \ x \ 1 \cdot 0.5 \lambda. \\ \\$



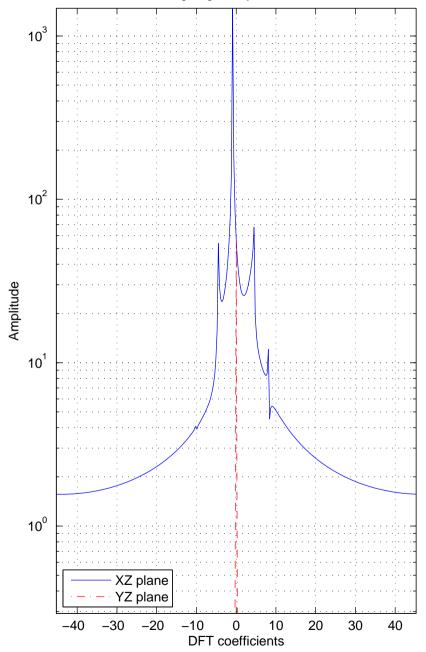
Plane Mode: 0, Steering angle on x direction: 10°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 11°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 12°, Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Steering angle on y direction: 0°. 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁰ XZ plane XZ plane YZ plane YZ plane

-30

-20

-10

10

DFT coefficients

20

30

40

0.5

0

Space [m]

1.5

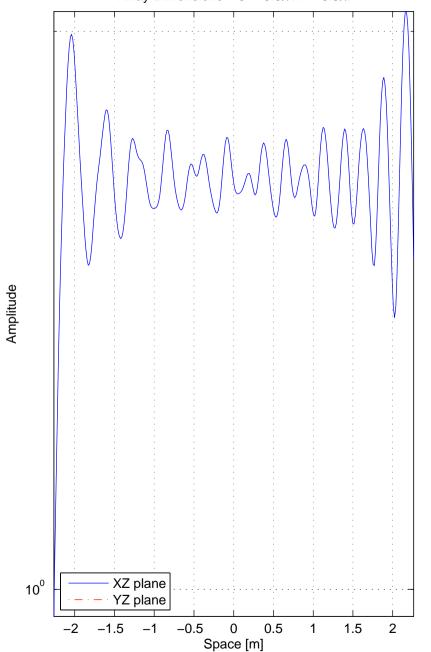
2

-1.5

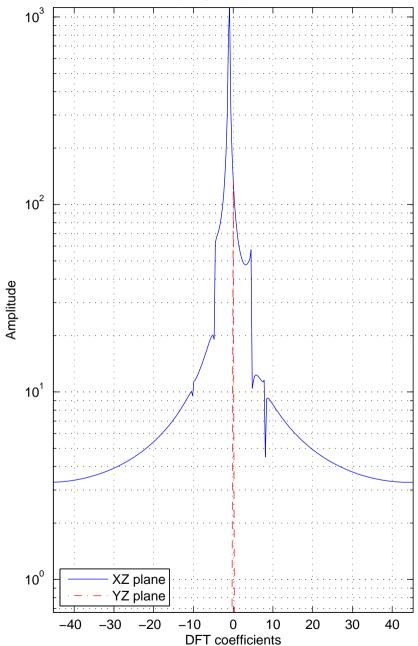
-1

-0.5

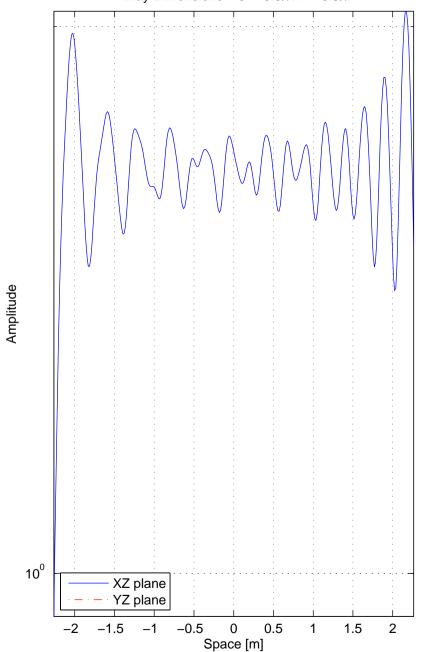
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



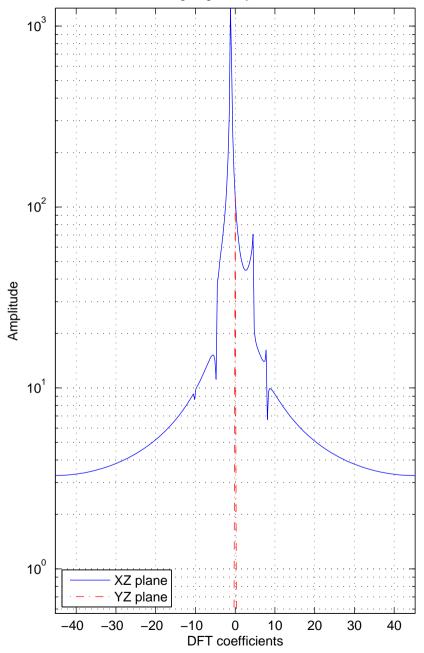
Plane Mode: 0, Steering angle on x direction: 13°, Steering angle on y direction: 0°.



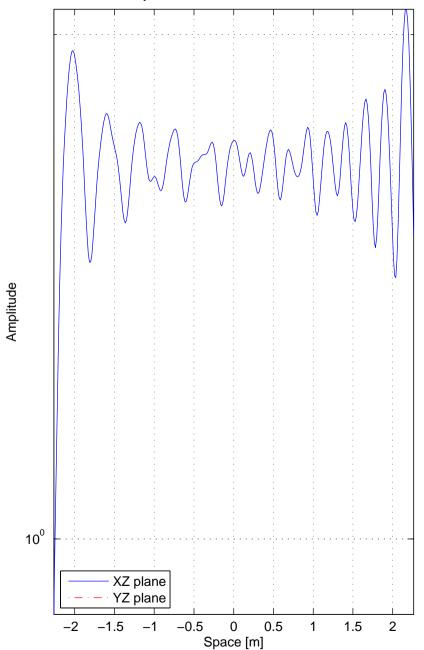
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



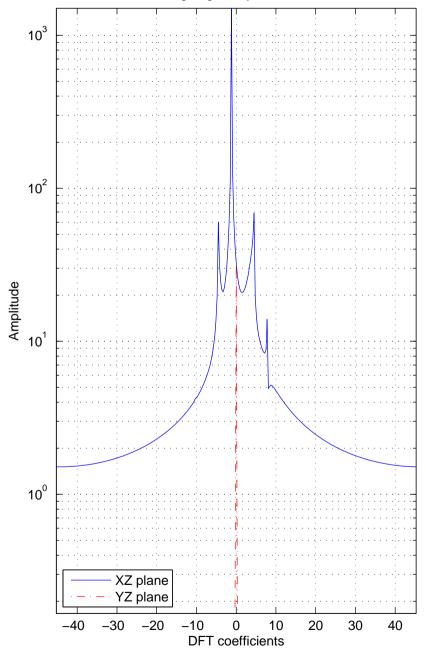
Plane Mode: 0, Steering angle on x direction: 14°, Steering angle on y direction: 0°.



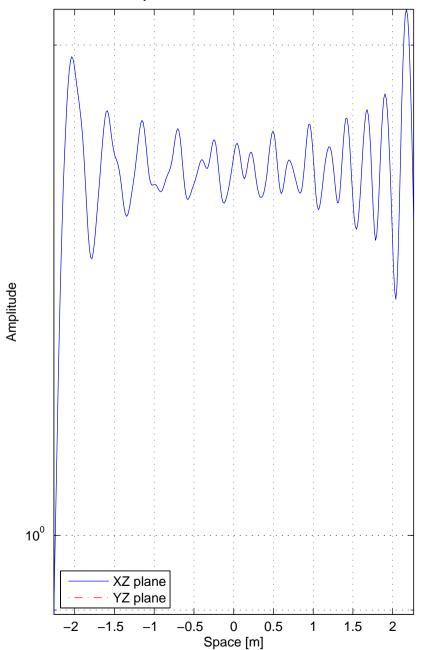
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



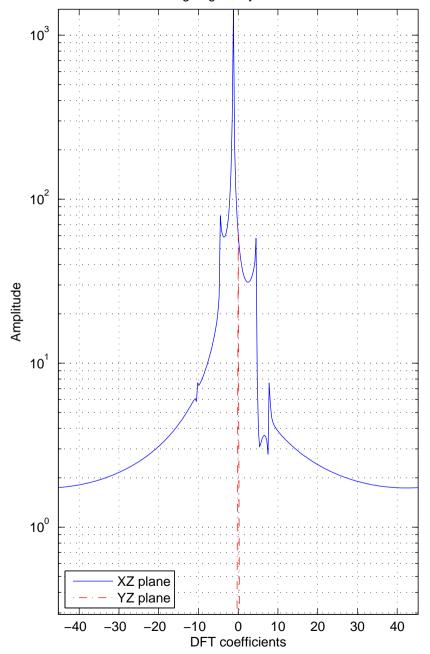
Plane Mode: 0, Steering angle on x direction: 15°, Steering angle on y direction: 0°.



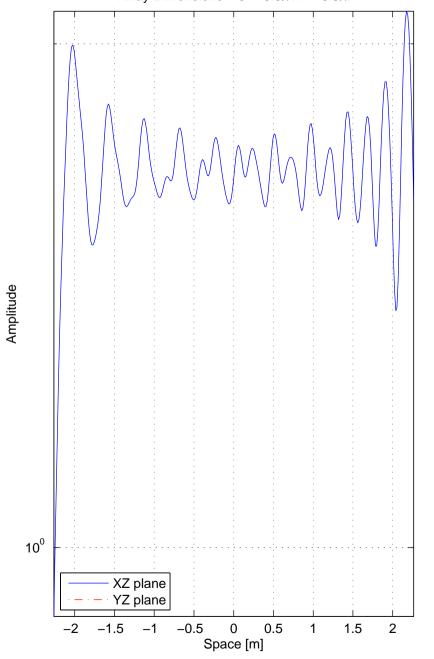
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



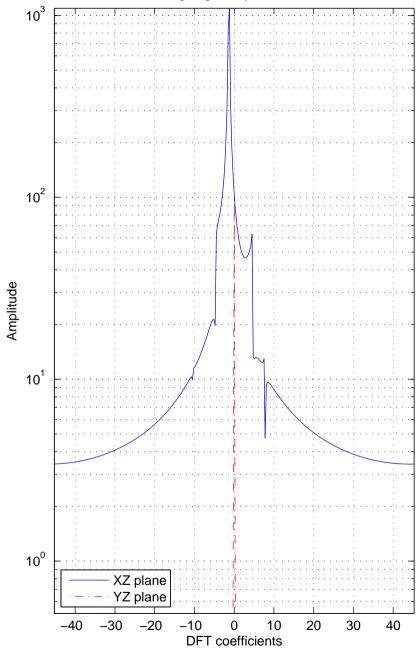
Plane Mode: 0, Steering angle on x direction: 16°, Steering angle on y direction: 0°.



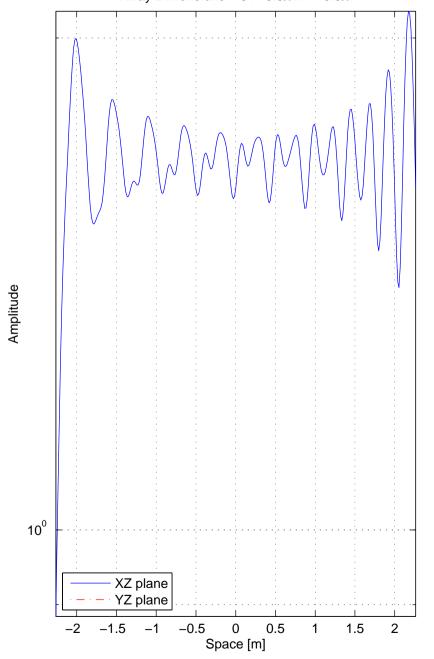
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



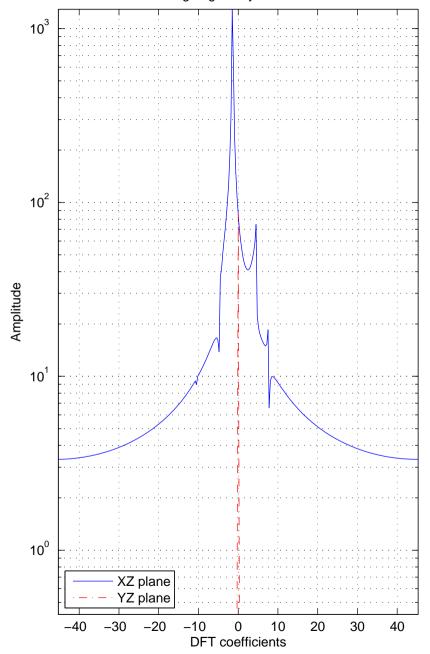
Plane Mode: 0, Steering angle on x direction: 17°, Steering angle on y direction: 0°.



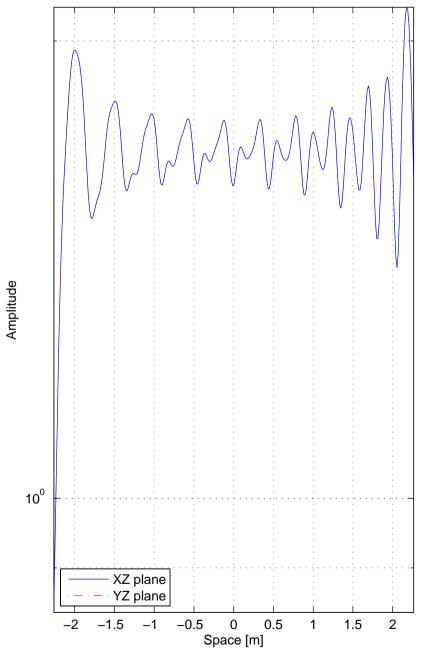
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



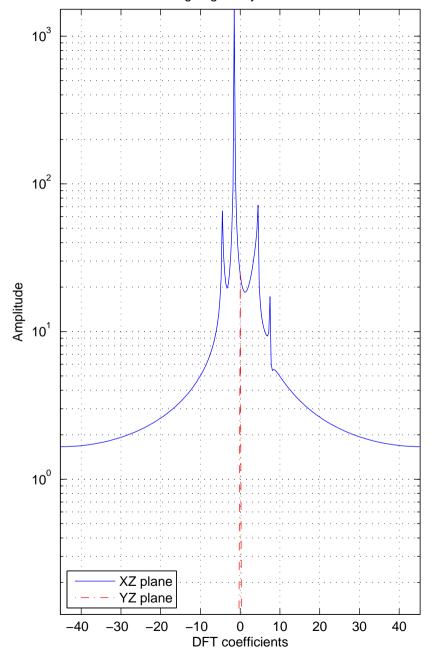
Plane Mode: 0, Steering angle on x direction: 18°, Steering angle on y direction: 0°.



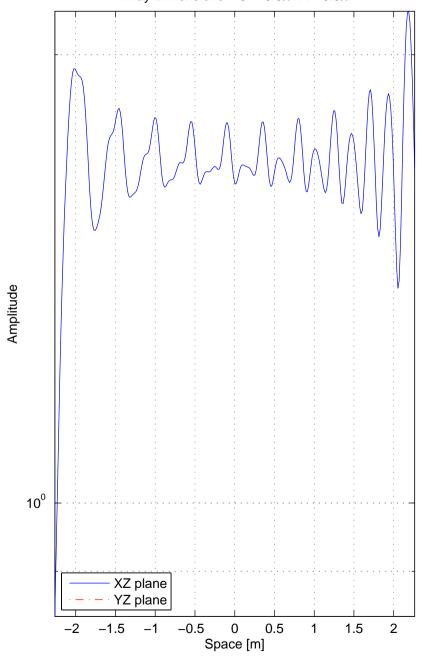
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



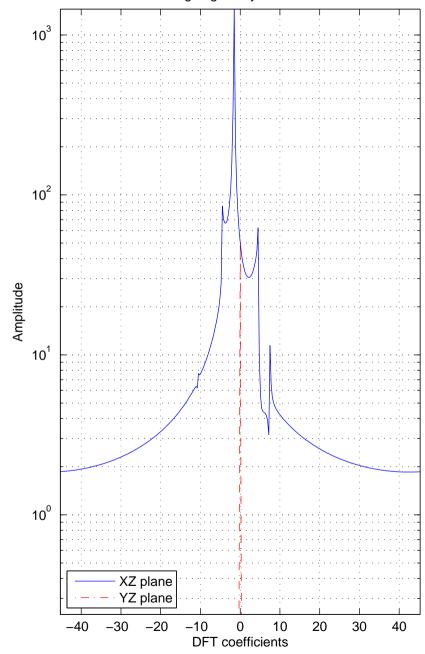
Plane Mode: 0, Steering angle on x direction: 19°, Steering angle on y direction: 0°.



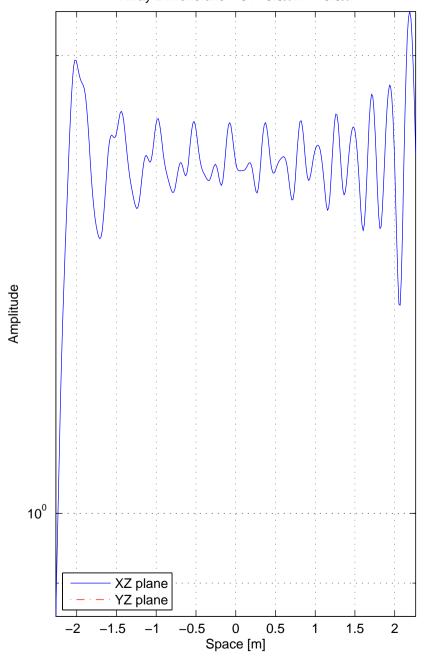
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



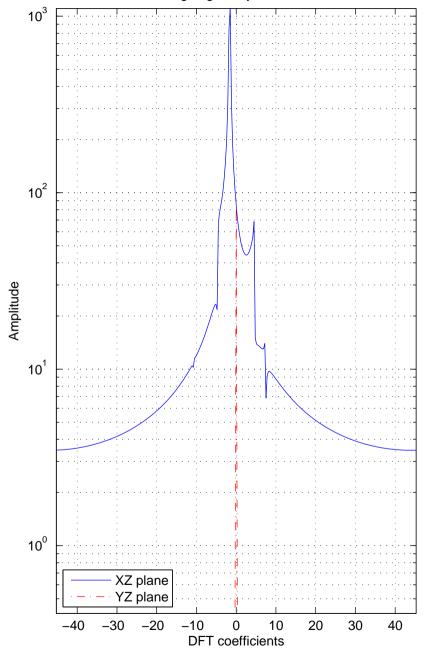
Plane Mode: 0, Steering angle on x direction: 20°, Steering angle on y direction: 0°.



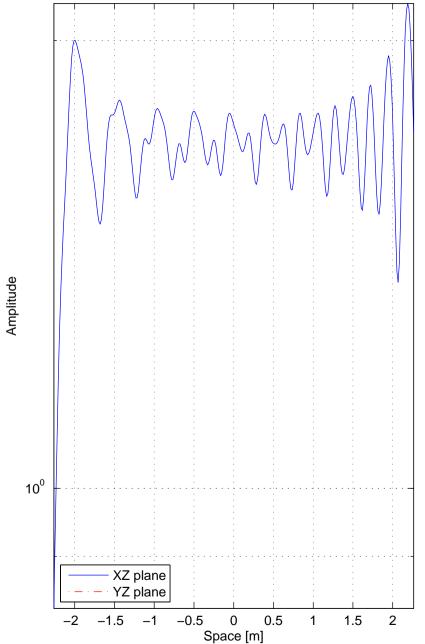
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



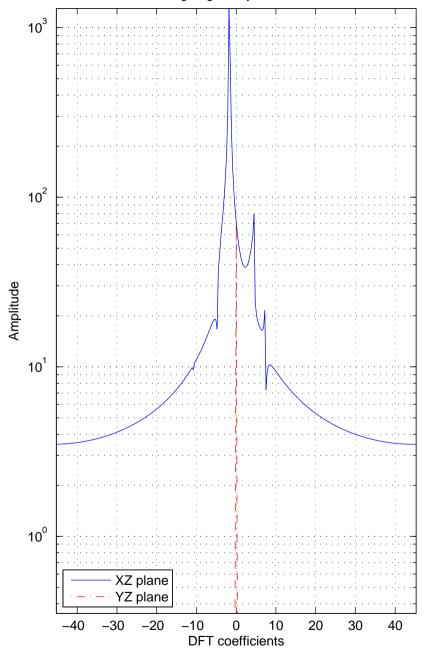
Plane Mode: 0, Steering angle on x direction: 21°, Steering angle on y direction: 0°.



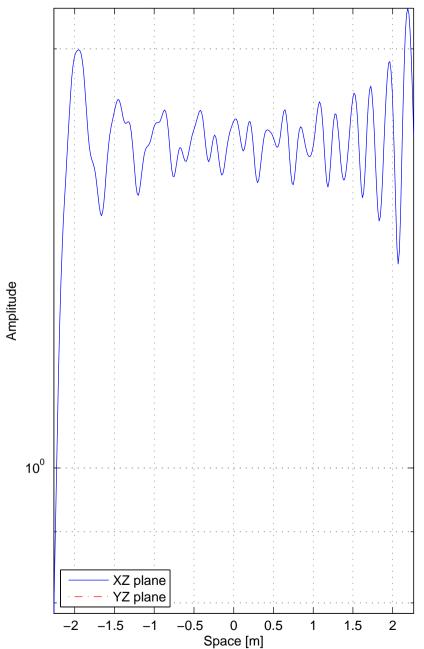
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



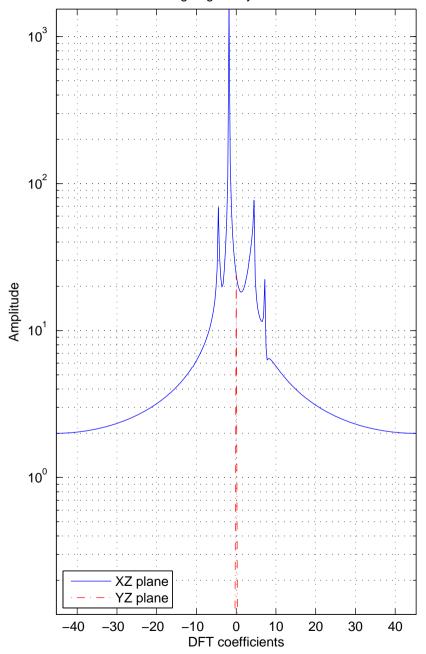
Plane Mode: 0, Steering angle on x direction: 22°, Steering angle on y direction: 0°.



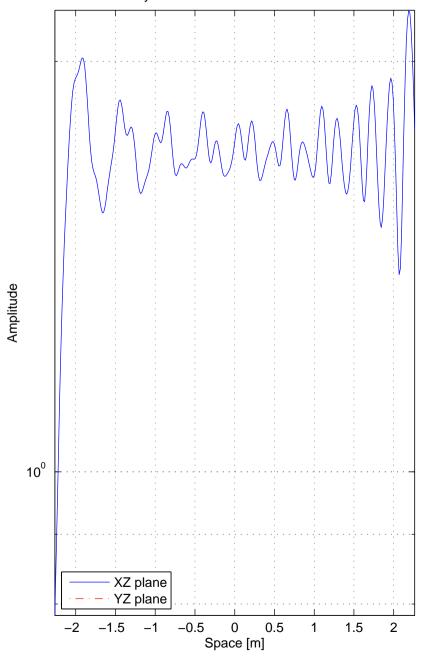
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



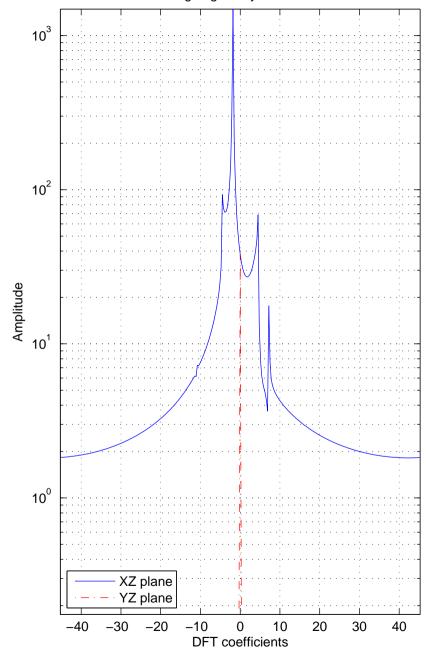
Plane Mode: 0, Steering angle on x direction: 23°, Steering angle on y direction: 0°.



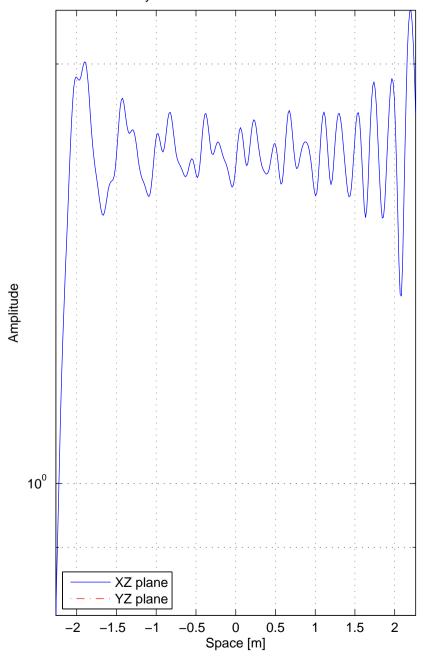
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



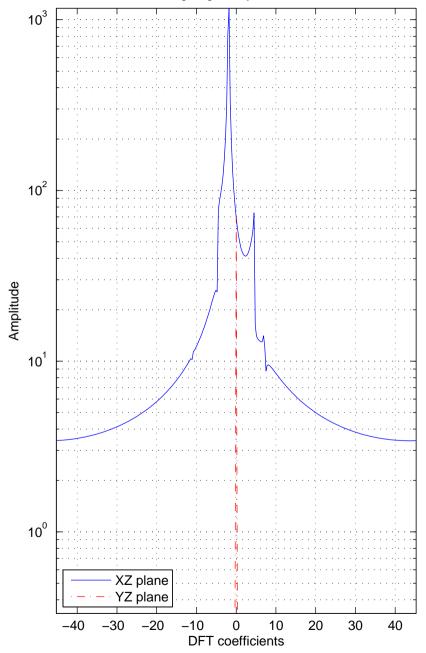
Plane Mode: 0, Steering angle on x direction: 24°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 25°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Amplitude 10⁰ XZ plane YZ plane

0.5

0

Space [m]

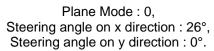
1.5

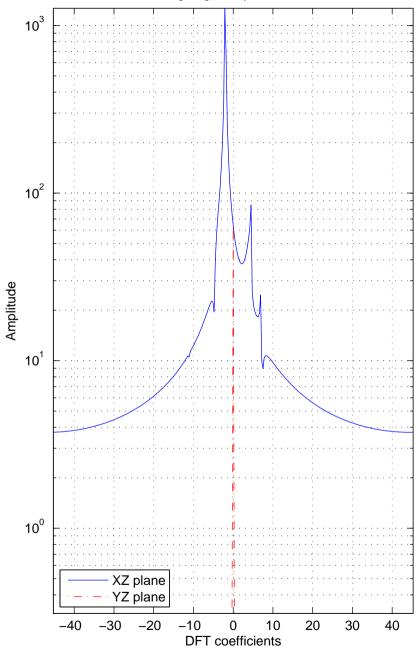
2

-0.5

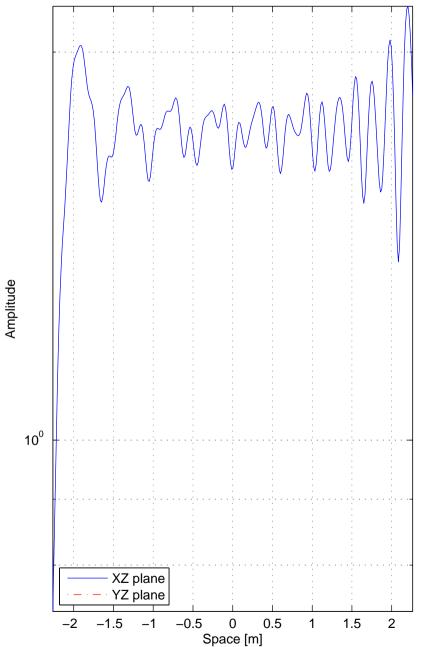
-1

-2 -1.5

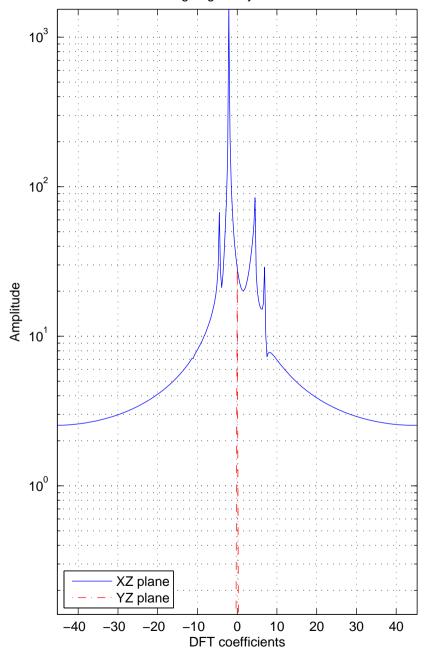




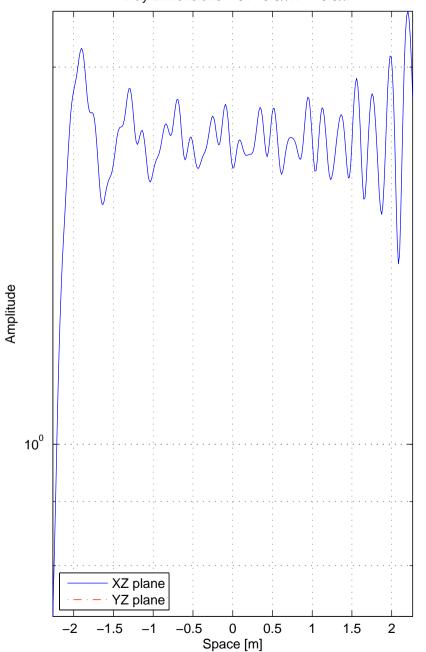
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



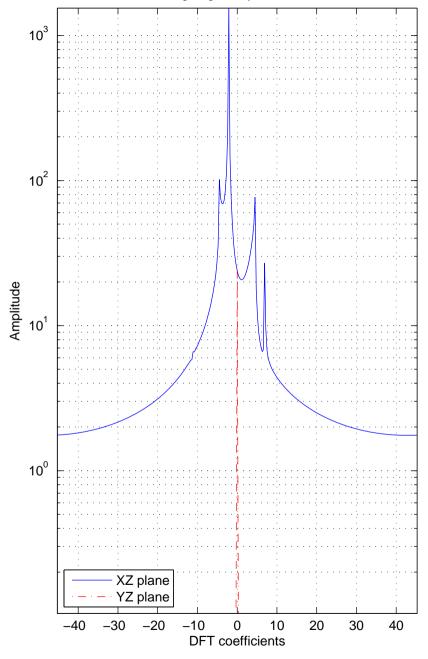
Plane Mode: 0, Steering angle on x direction: 27°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 28°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Amplitude 10⁰ XZ plane YZ plane

0.5

0

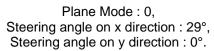
Space [m]

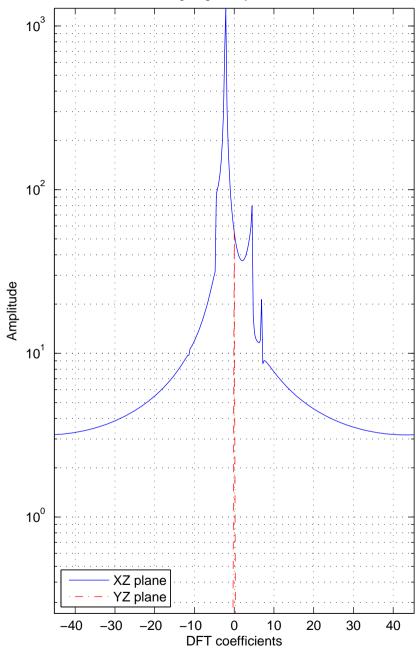
1.5

2

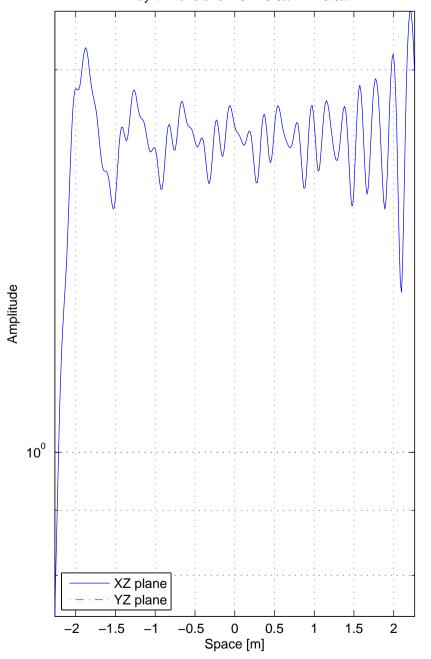
-0.5

-2 -1.5

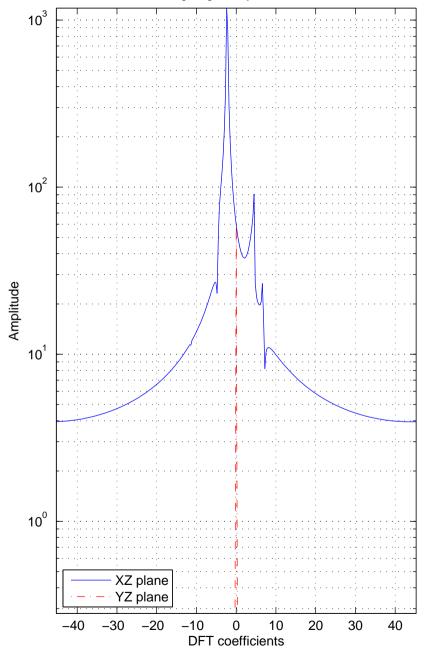




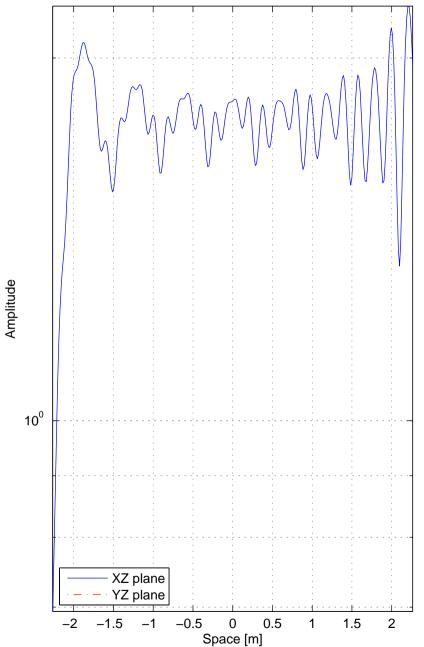
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



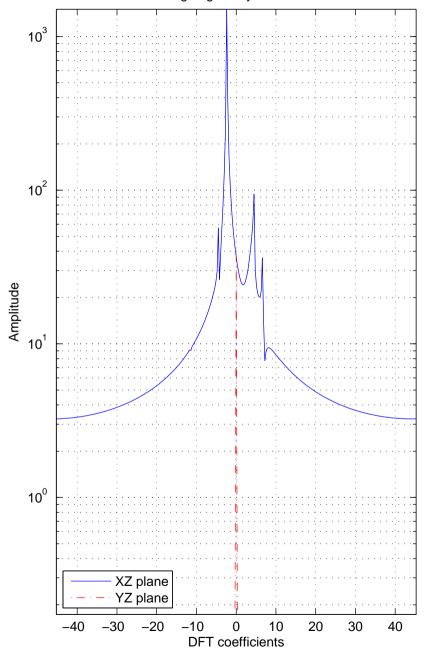
Plane Mode: 0, Steering angle on x direction: 30°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.

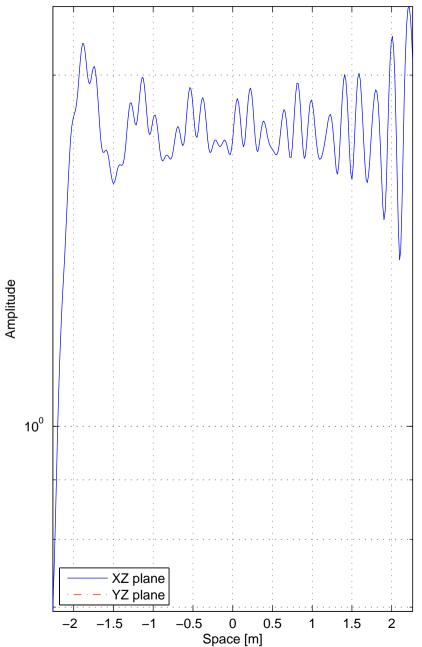


Plane Mode: 0, Steering angle on x direction: 31°, Steering angle on y direction: 0°.

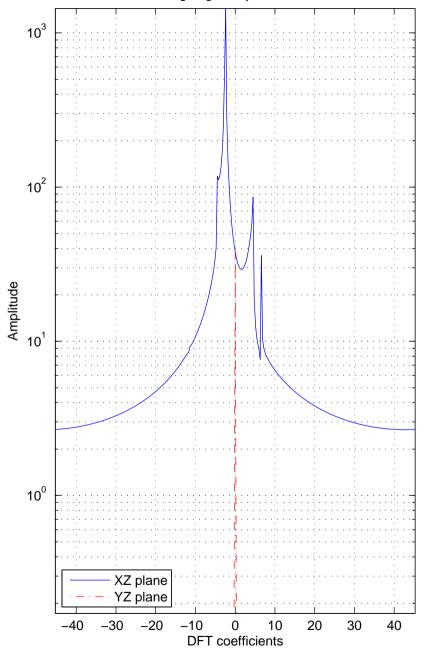


NF, Altitude = 0.525λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 32°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁰ 10⁻¹ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 0 2 -40 40 Space [m] DFT coefficients

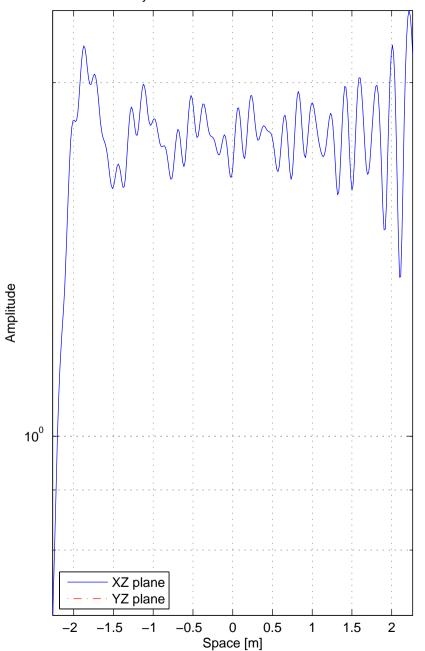
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



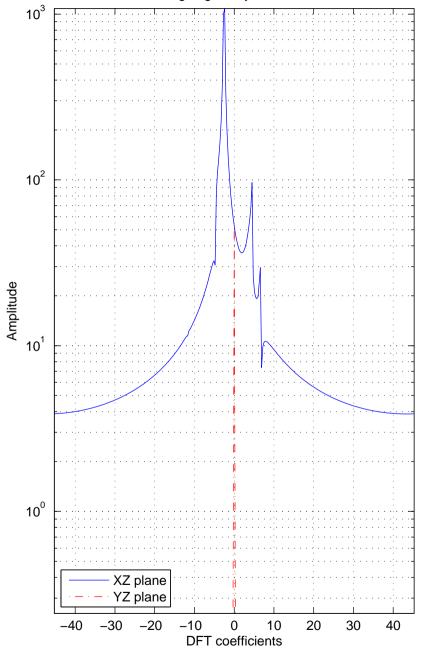
Plane Mode: 0, Steering angle on x direction: 33°, Steering angle on y direction: 0°.



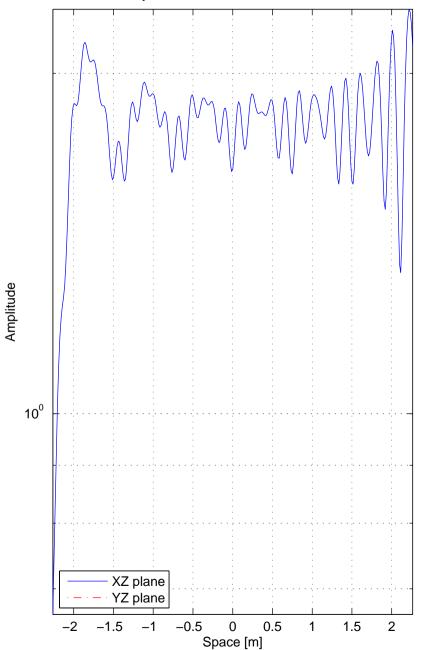
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



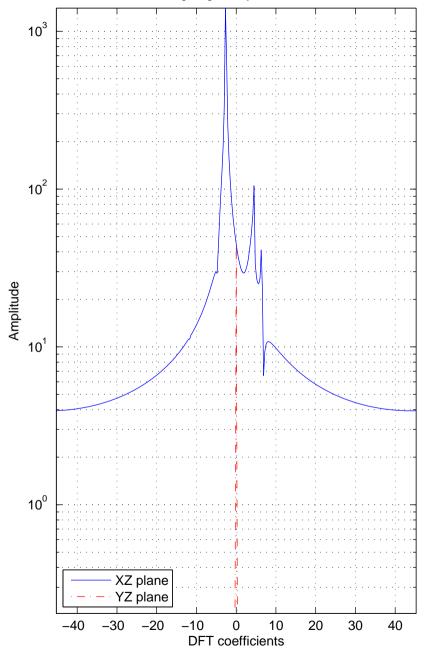
Plane Mode: 0, Steering angle on x direction: 34°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.

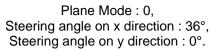


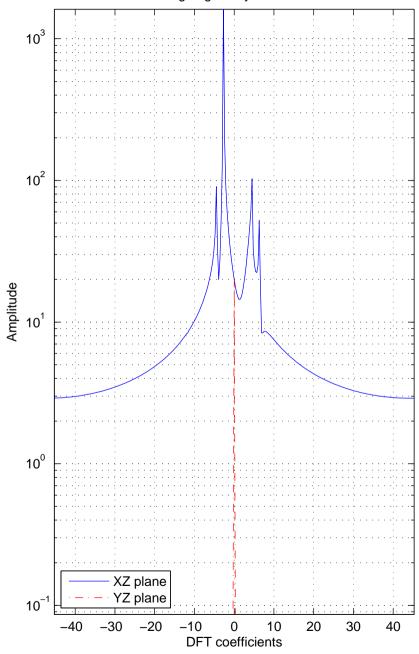
Plane Mode: 0, Steering angle on x direction: 35°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Amplitude 10⁰ XZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -1 0 2

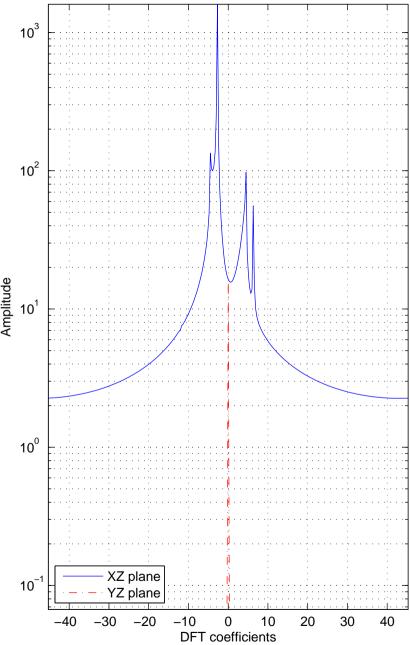
Space [m]





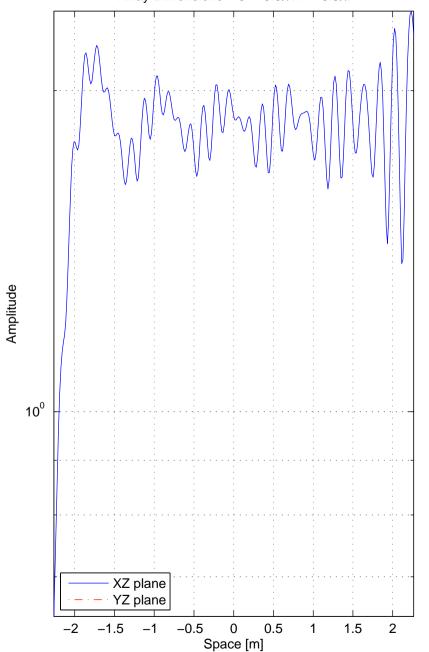
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10⁰ 10⁰ XZ plane XZ plane 10⁻¹ YZ plane YZ plane -2 -1.5 0.5 -0.5 1.5 -30 -20 -1 0 2 Space [m]

Plane Mode: 0, Steering angle on x direction: 37°, Steering angle on y direction: 0°.

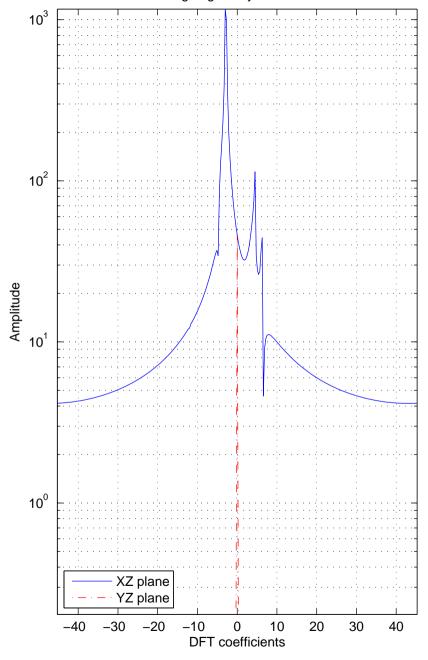


Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 38°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude 10¹ Amplitude 10⁰ 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 10 20 30 0 2 -10 40 Space [m] DFT coefficients

NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 39°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.

Amplitude

10⁰

XZ plane

YZ plane

-1

-0.5

-2 -1.5

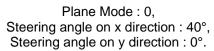
0.5

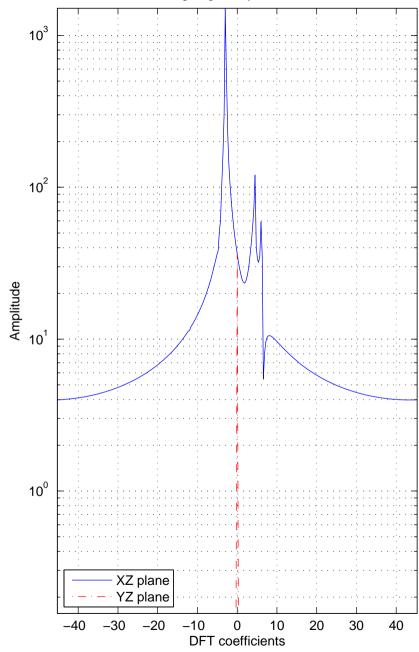
0

Space [m]

1.5

2



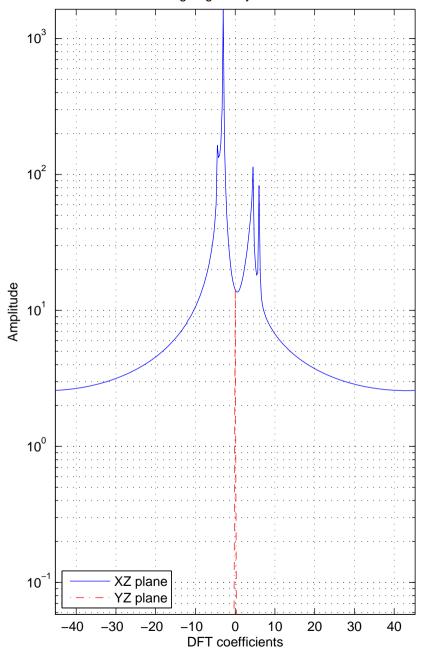


Plane Mode: 0, Steering angle on x direction: 41°, Steering angle on y direction: 0°. Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10⁰ 10⁰ 10^{-1} XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 20 30 -1 0 2 -10 10 40 Space [m] DFT coefficients

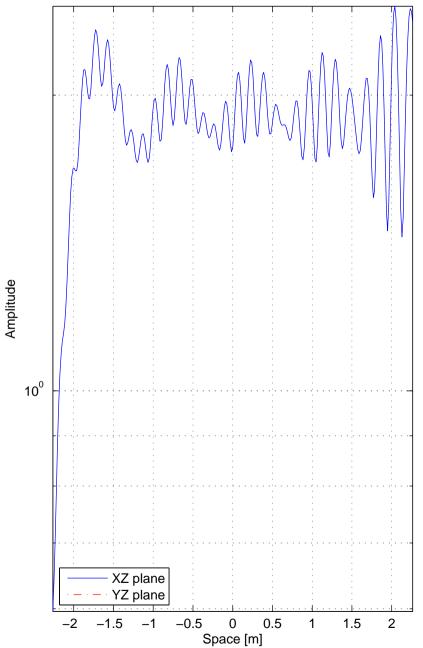
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Amplitude 10⁰ XZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 0 2

Space [m]

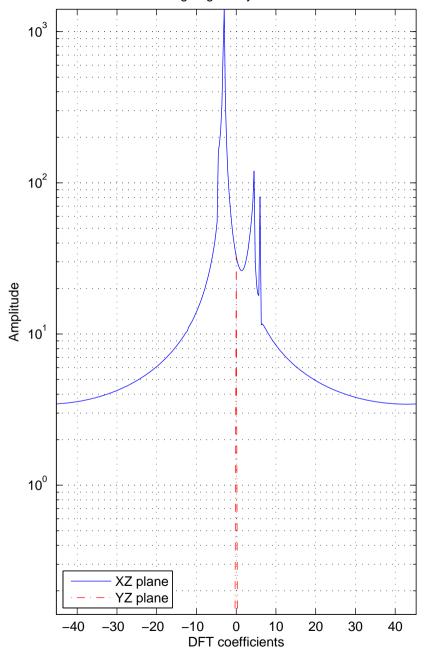
Plane Mode: 0, Steering angle on x direction: 42°, Steering angle on y direction: 0°.



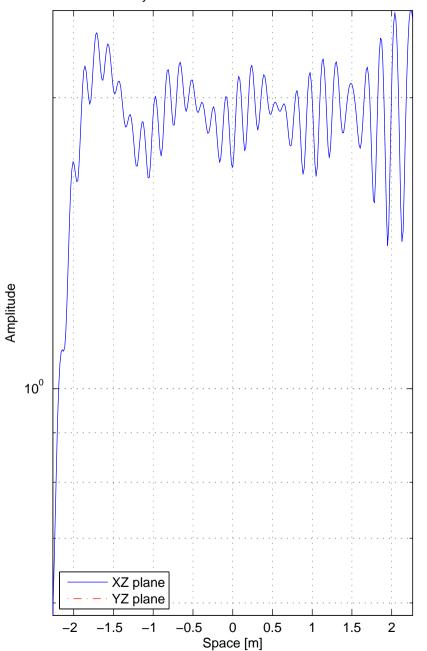
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



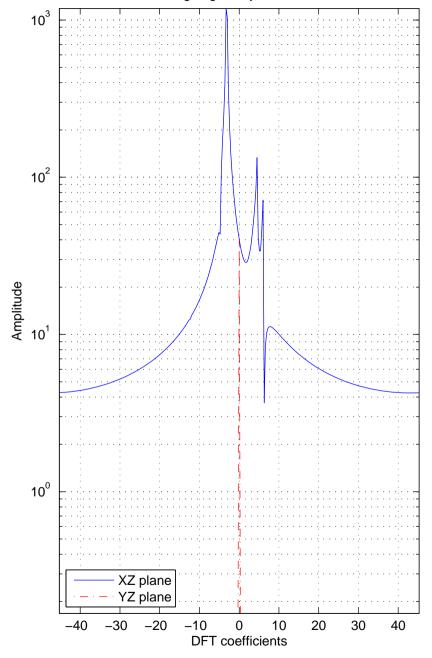
Plane Mode: 0, Steering angle on x direction: 43°, Steering angle on y direction: 0°.



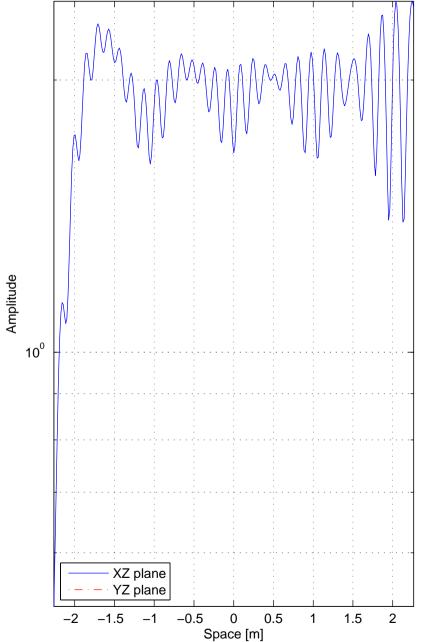
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



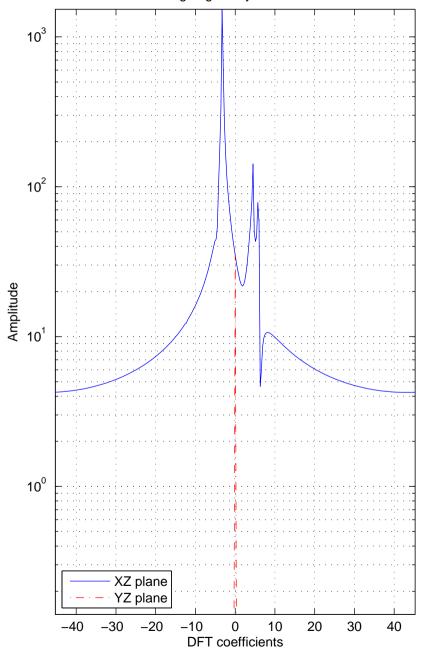
Plane Mode: 0, Steering angle on x direction: 44°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 45°, Steering angle on y direction: 0°.

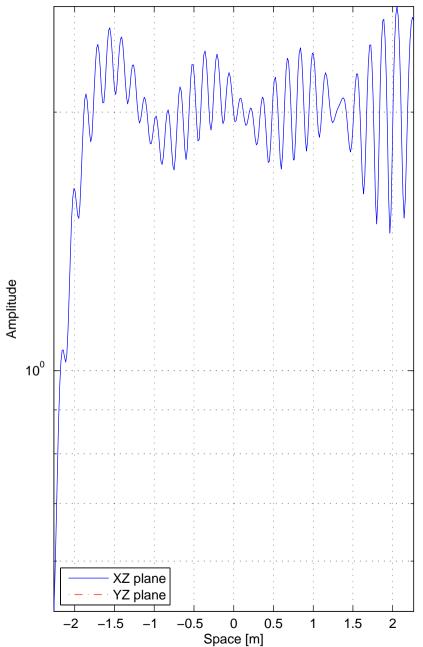


Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 46°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10⁰ 10⁰ XZ plane XZ plane 10⁻¹ YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 -1 0 2 40 Space [m] DFT coefficients

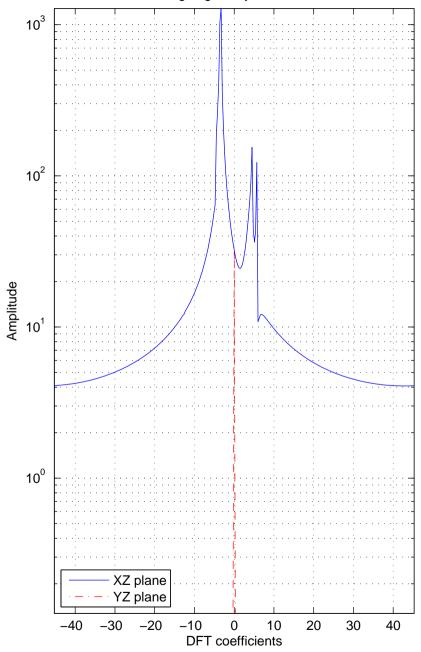
Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 47°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² 10¹ Amplitude Amplitude 10⁰ 10⁰ 10^{-1} XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 -1 0 2 40 Space [m] DFT coefficients

NF, Altitude = 0.525λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 48°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 10 20 30 0 2 -40 -10 40 Space [m] DFT coefficients

NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction : 49°, Steering angle on y direction : 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Amplitude 10⁰

0.5

0

Space [m]

1.5

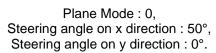
2

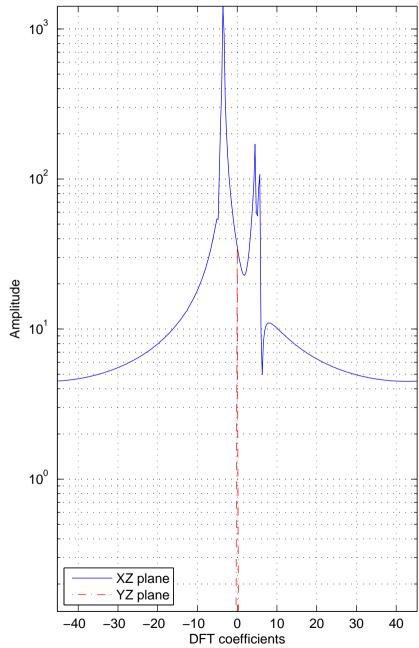
XZ plane

YZ plane

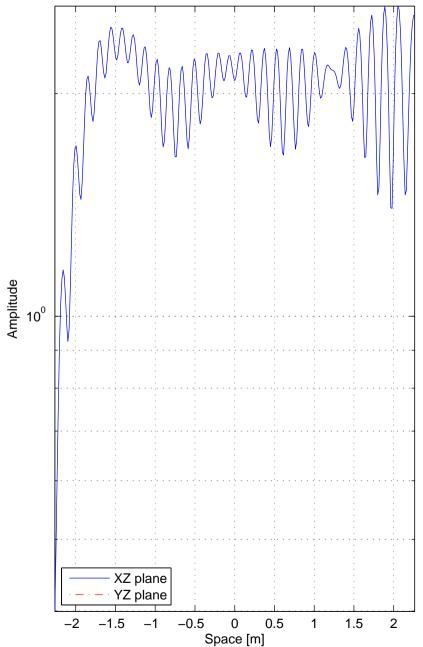
-0.5

-2 -1.5

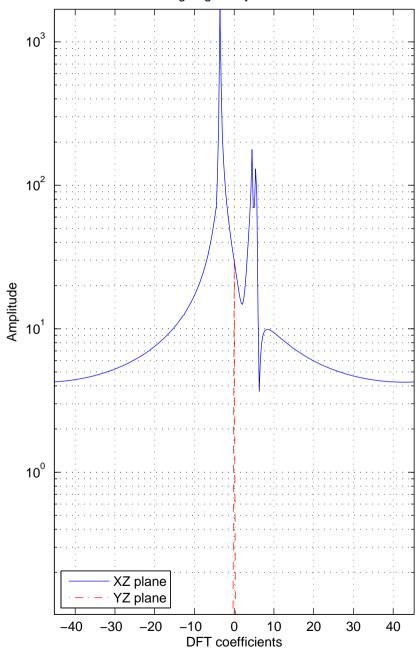




NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 51°, Steering angle on y direction: 0°.



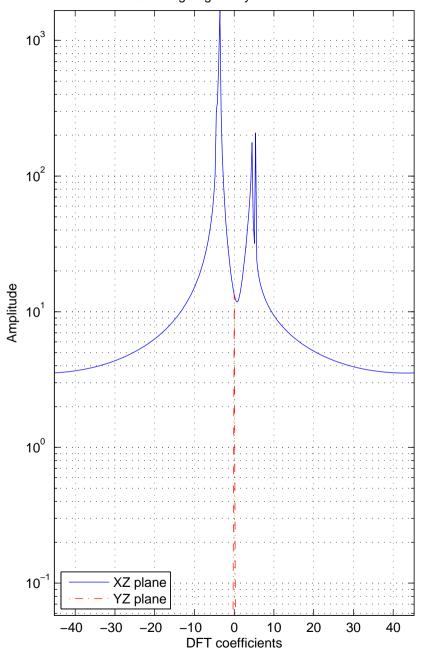
Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 52°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10⁰ 10^{-1} XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 -1 0 2 40 Space [m] DFT coefficients

Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 53°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude 10¹ Amplitude 00 10⁰ 10 XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 10 20 30 0 2 -10 40 Space [m] DFT coefficients

NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Amplitude 10⁰ XZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 0 2

Space [m]

Plane Mode: 0, Steering angle on x direction: 54°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Amplitude 10⁰ XZ plane YZ plane

0.5

0

Space [m]

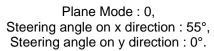
1.5

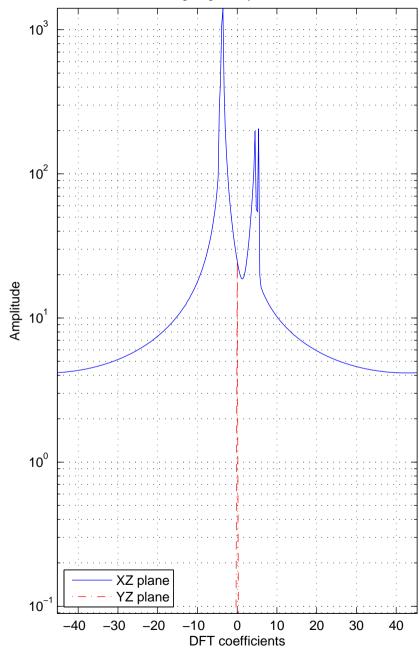
2

-0.5

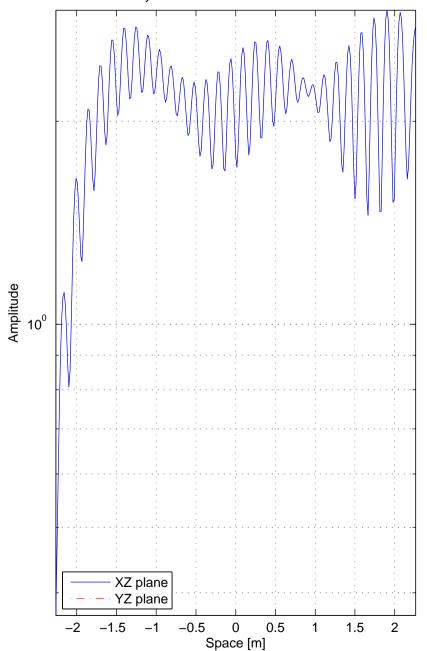
-1

-2 -1.5

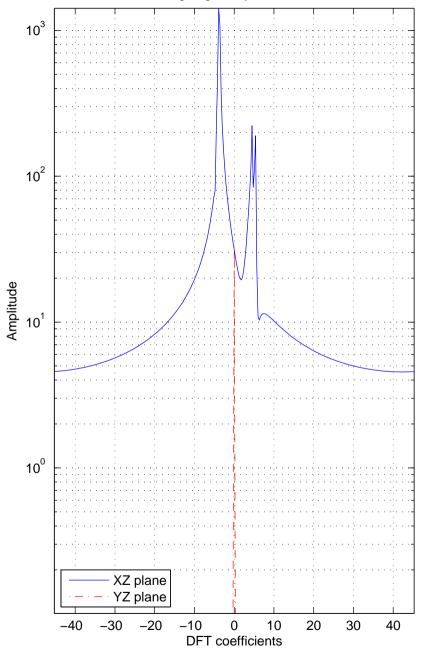




NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 56°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Amplitude 01

XZ plane

YZ plane

-1

-0.5

-2 -1.5

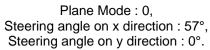
0.5

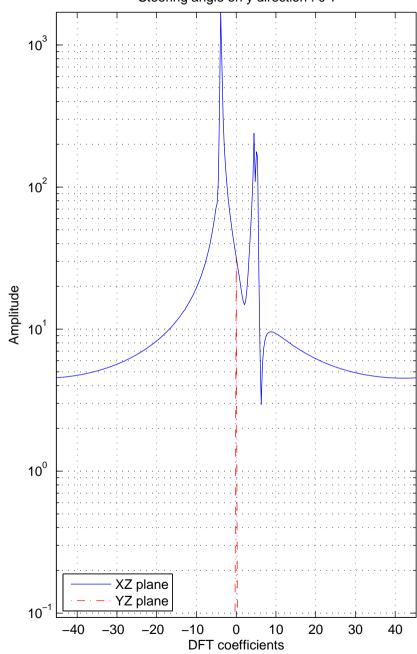
0

Space [m]

1.5

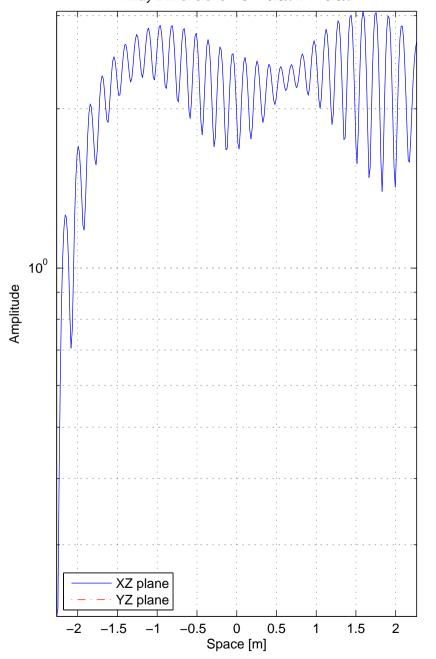
2



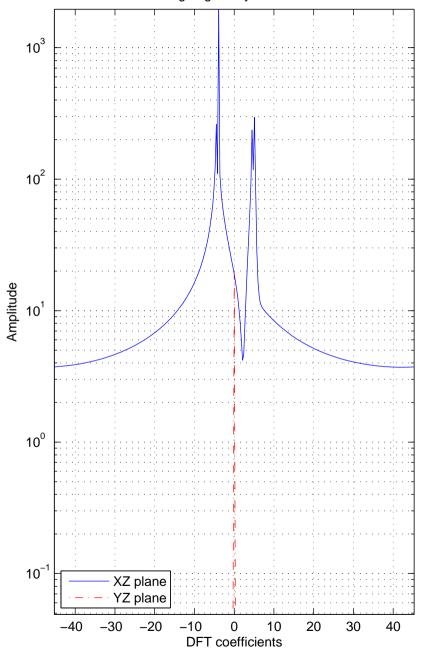


Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 58°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² 10⁰ Amplitude Amplitude 10⁰ XZ plane XZ plane 10 YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 10 20 30 0 2 -10 40 Space [m] DFT coefficients

NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 59°, Steering angle on y direction: 0°.

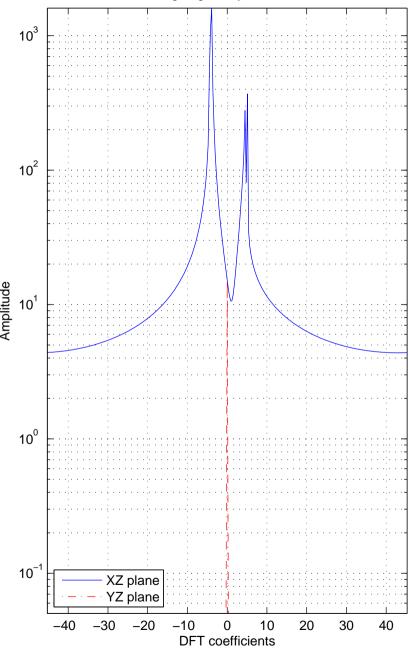


Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 60°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude 10⁰ Amplitude 10¹ 10⁰ 10⁻¹ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 10 20 30 -1 0 2 -40 -10 40 Space [m] DFT coefficients

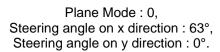
Plane Mode: 0, Steering angle on x direction: 61°, Steering angle on y direction: 0°. Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁻¹ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 20 30 0 2 10 40 Space [m] DFT coefficients

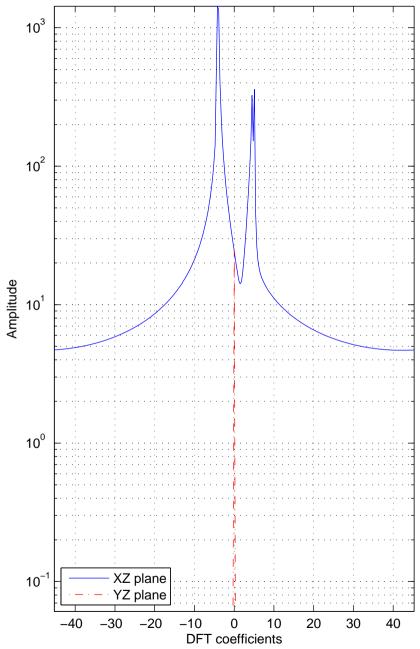
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10⁰ 10^{-1} XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 0 2 -10 Space [m]

Plane Mode: 0, Steering angle on x direction: 62°, Steering angle on y direction: 0°.



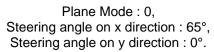
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10⁰ Amplitude XZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -1 0 2 Space [m]

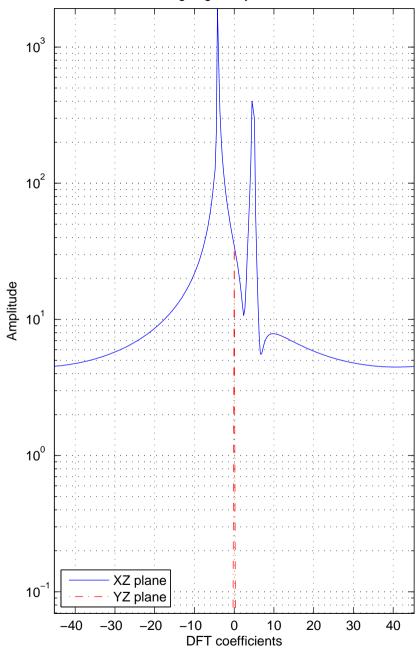




Plane Mode: 0, Steering angle on x direction: 64°, Steering angle on y direction: 0°. Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² 10⁰ Amplitude Amplitude 10⁰ XZ plane XZ plane 10^{-1} 10⁻¹ YZ plane YZ plane -1.5 0.5 -0.5 1.5 -30 -20 10 20 30 -1 0 2 -10 40 Space [m] DFT coefficients

Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10⁰ Amplitude 10⁻¹ XZ plane YZ plane 0.5 -2 -1.5 -0.51.5 0 2 Space [m]

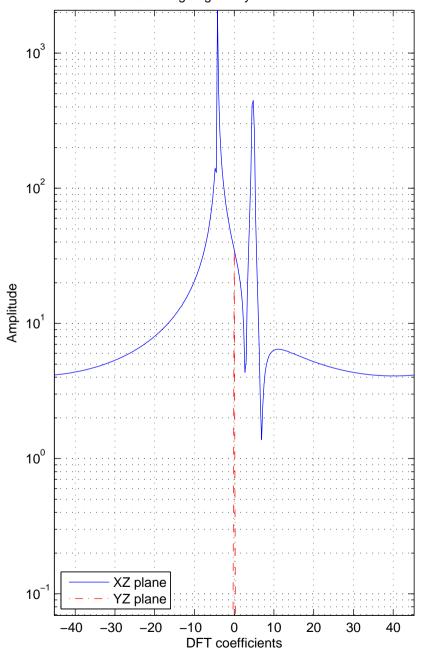




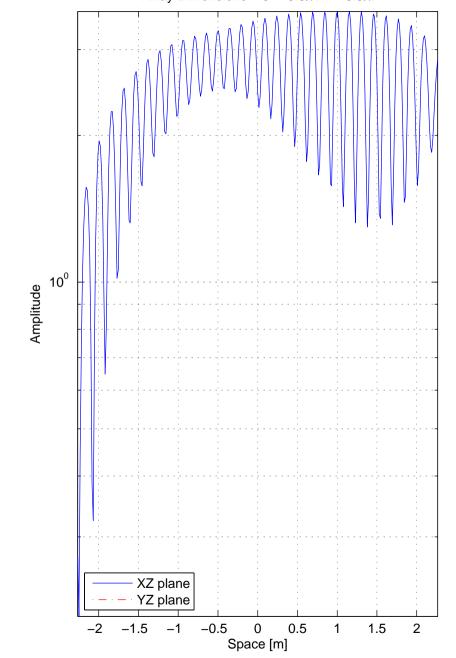
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10⁰ Amplitude XZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 0 2

Space [m]

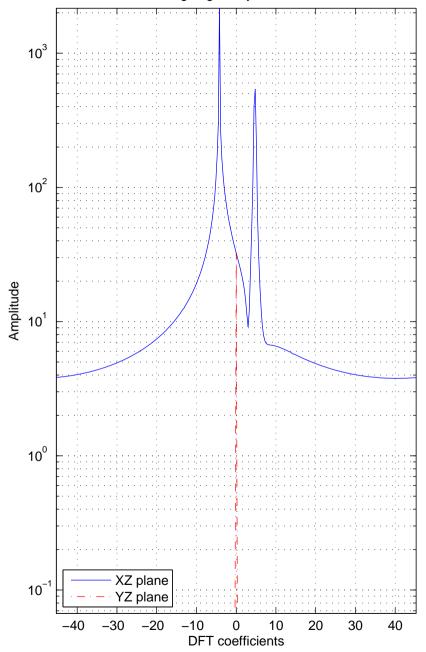
Plane Mode: 0, Steering angle on x direction: 66°, Steering angle on y direction: 0°.



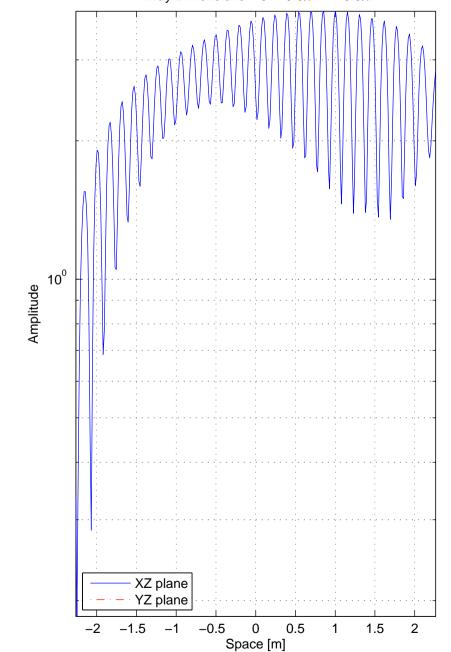
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



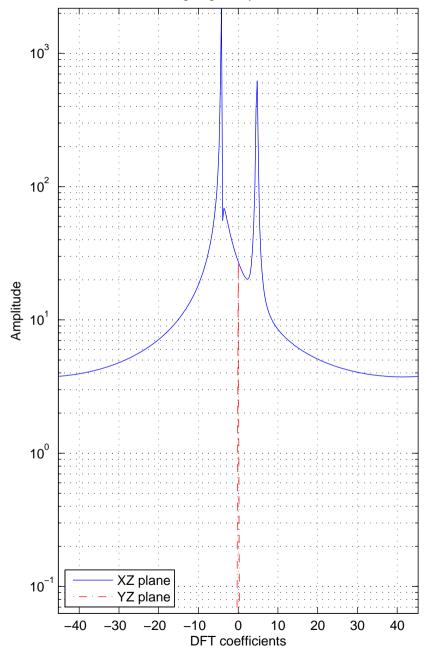
Plane Mode: 0, Steering angle on x direction: 67°, Steering angle on y direction: 0°.



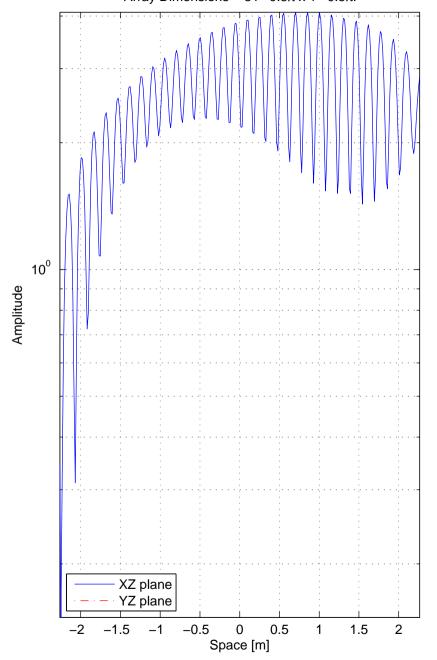
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



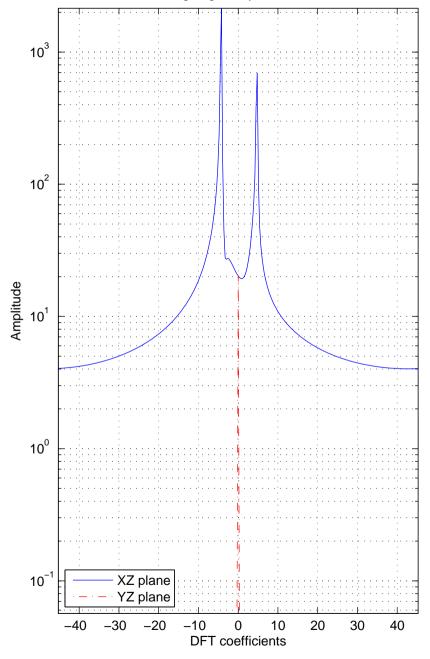
Plane Mode: 0, Steering angle on x direction: 68°, Steering angle on y direction: 0°.



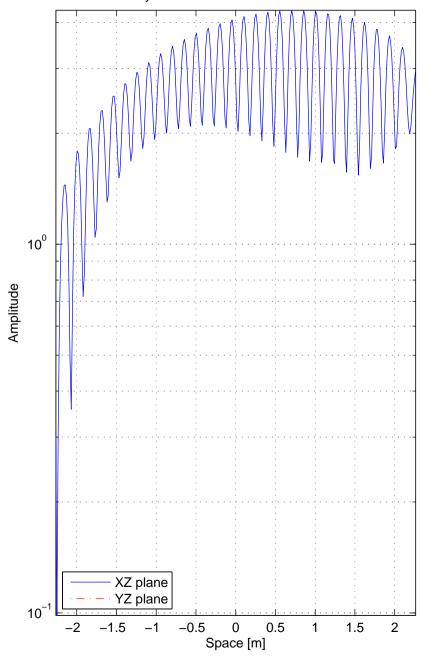
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



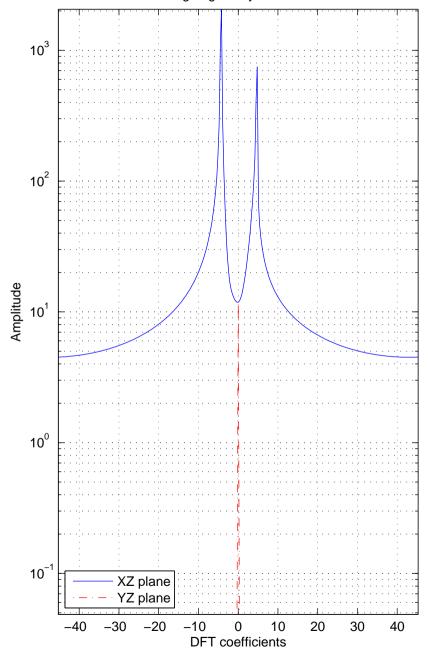
Plane Mode: 0, Steering angle on x direction: 69°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 70°, Steering angle on y direction: 0°.



Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 71°, Steering angle on y direction: 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² 10⁰ Amplitude Amplitude 10¹ 10⁰ 10⁻¹ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.51.5 -30 -20 10 20 30 0 2 -10 40 Space [m] DFT coefficients

NF, Altitude = 0.525λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 72°, Steering angle on y direction: 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁻¹ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 20 0 2 -10 0 10

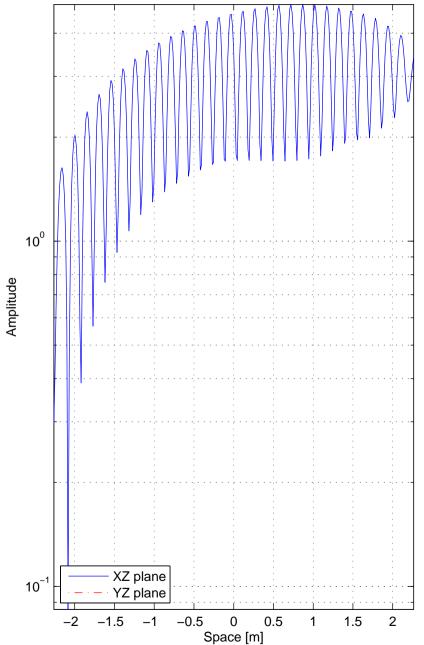
Space [m]

30

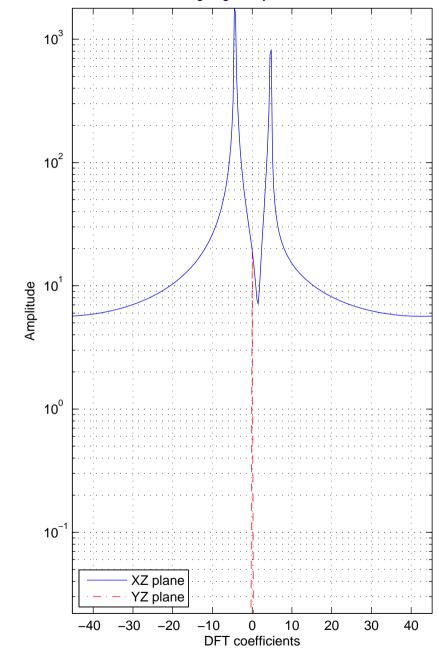
DFT coefficients

40

NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.

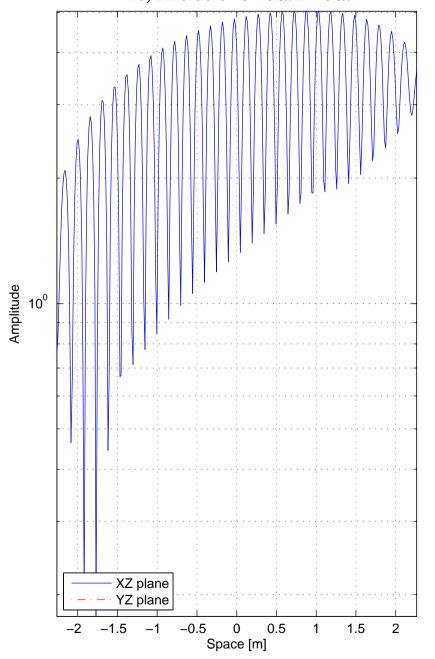


Plane Mode: 0, Steering angle on x direction: 73°, Steering angle on y direction: 0°.

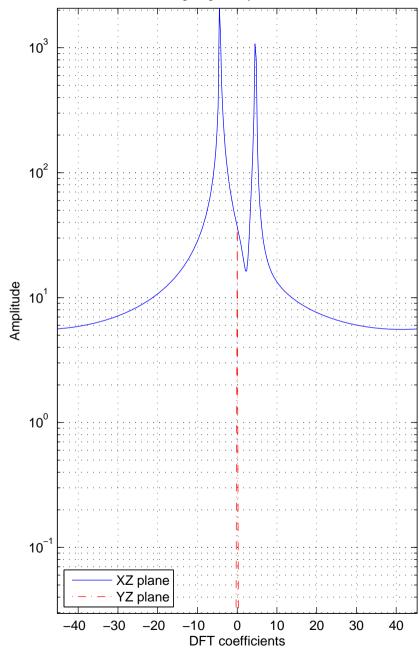


NF, Altitude = 0.525λ , Plane Mode: 0, Steering angle on x direction: 74°, Steering angle on y direction: 0°. Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁻¹ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 20 30 -1 0 2 10 40 Space [m] DFT coefficients

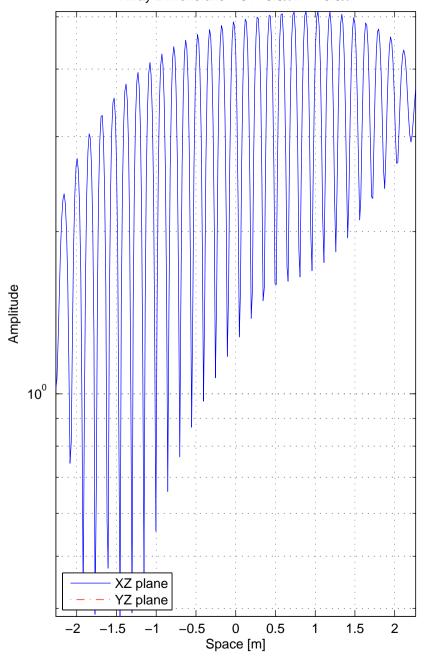
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



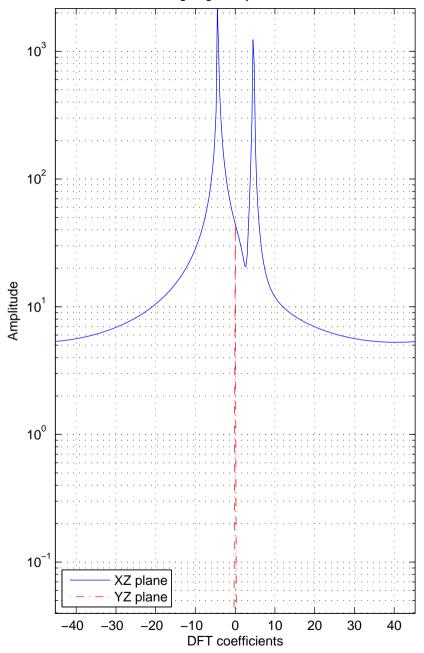
Plane Mode: 0, Steering angle on x direction: 75°, Steering angle on y direction: 0°.



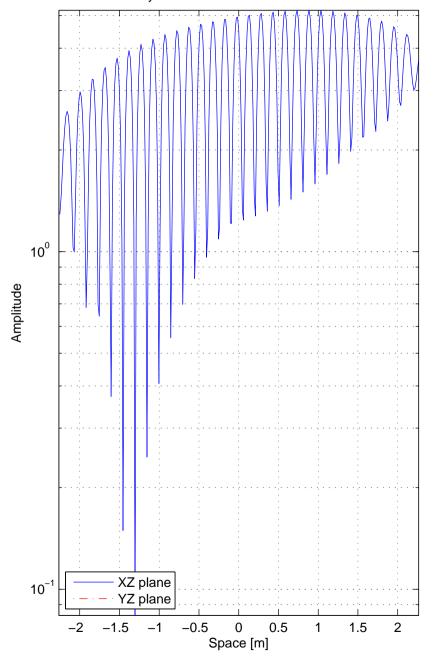
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



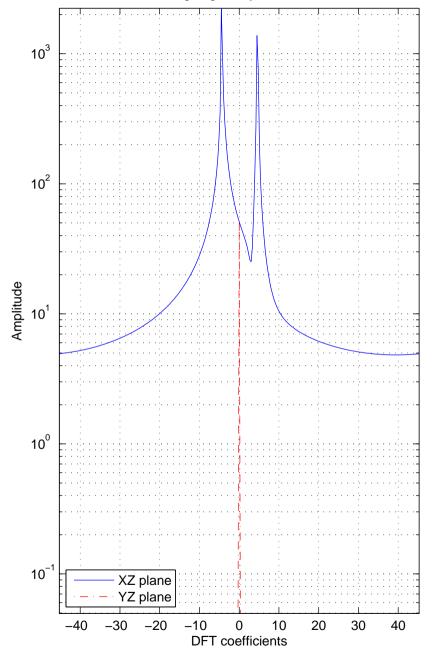
Plane Mode: 0, Steering angle on x direction: 76°, Steering angle on y direction: 0°.



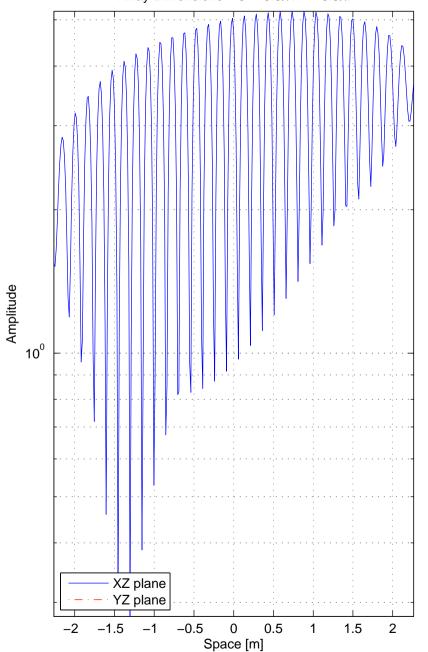
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



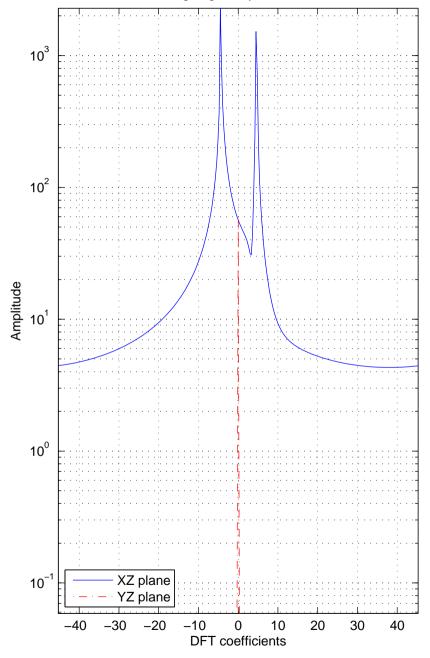
Plane Mode: 0, Steering angle on x direction: 77°, Steering angle on y direction: 0°.



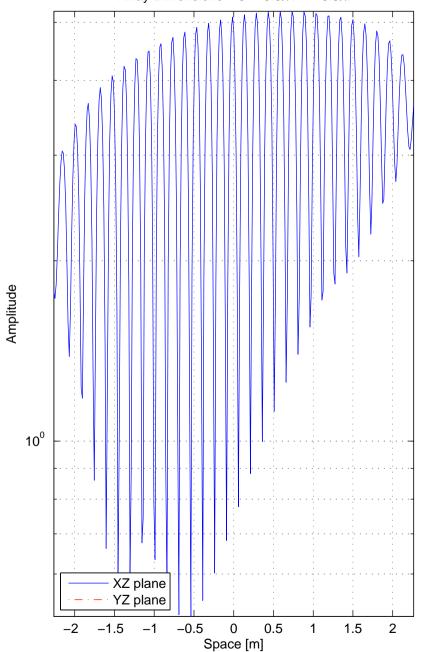
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



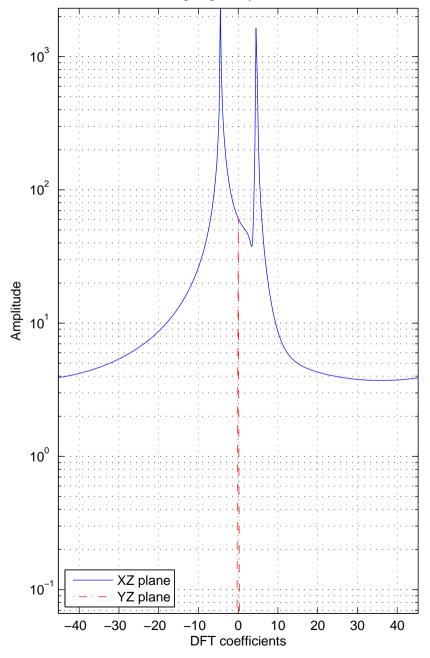
Plane Mode: 0, Steering angle on x direction: 78°, Steering angle on y direction: 0°.



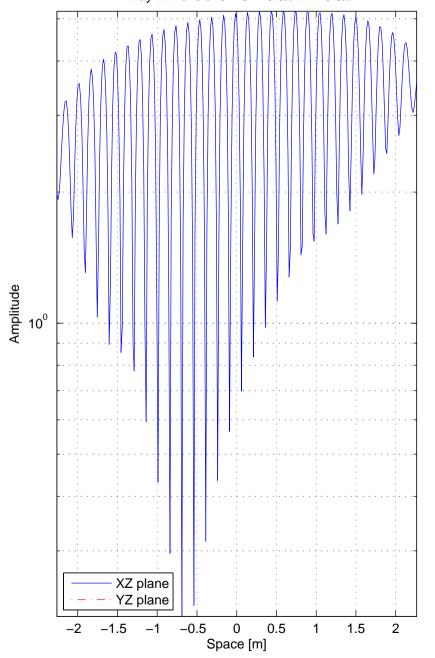
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



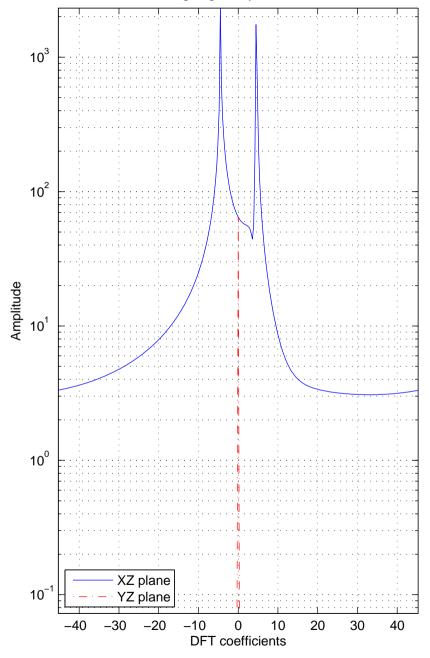
Plane Mode: 0, Steering angle on x direction: 79°, Steering angle on y direction: 0°.



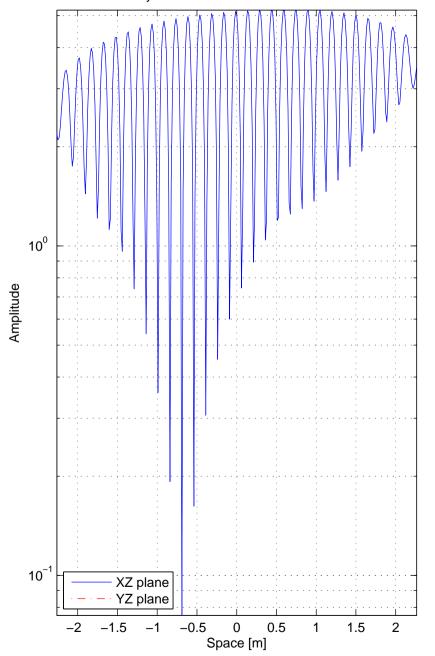
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



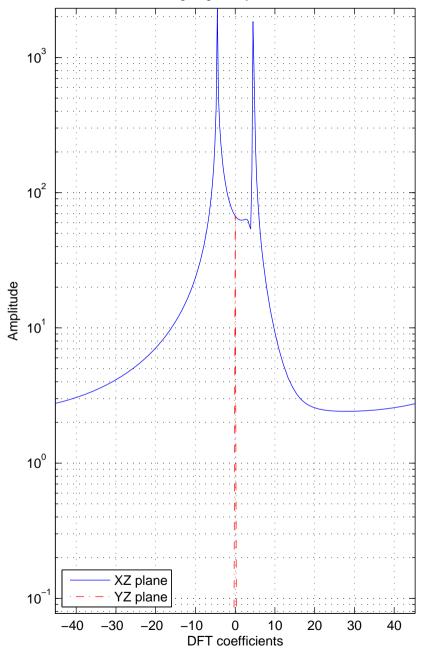
Plane Mode: 0, Steering angle on x direction: 80°, Steering angle on y direction: 0°.



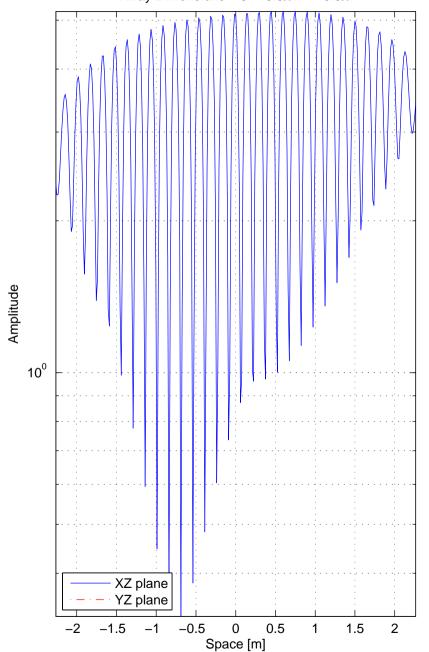
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



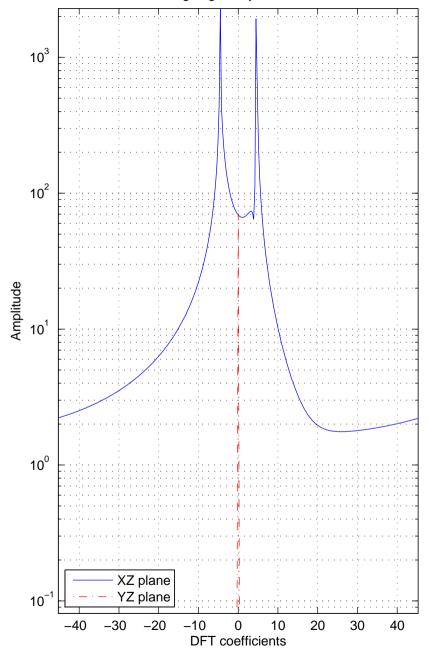
Plane Mode: 0, Steering angle on x direction: 81°, Steering angle on y direction: 0°.



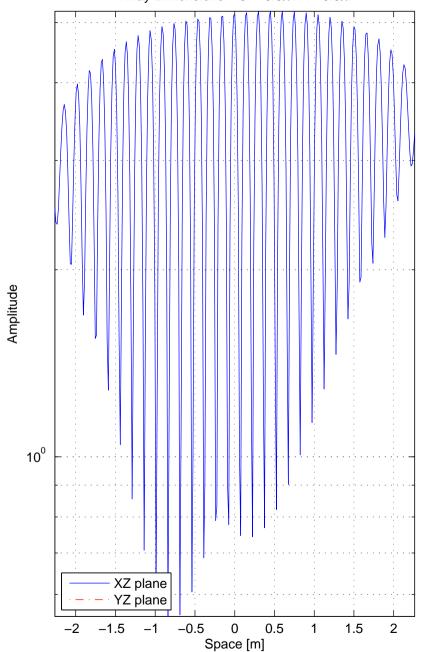
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



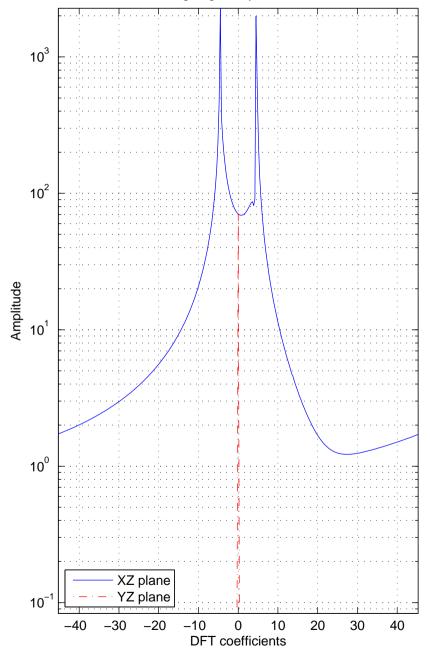
Plane Mode: 0, Steering angle on x direction: 82°, Steering angle on y direction: 0°.



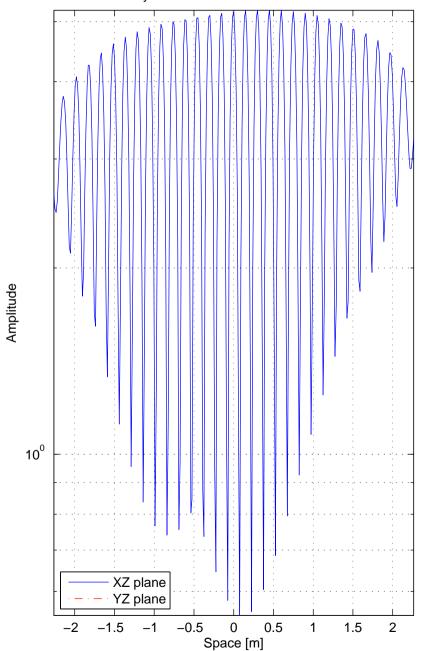
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



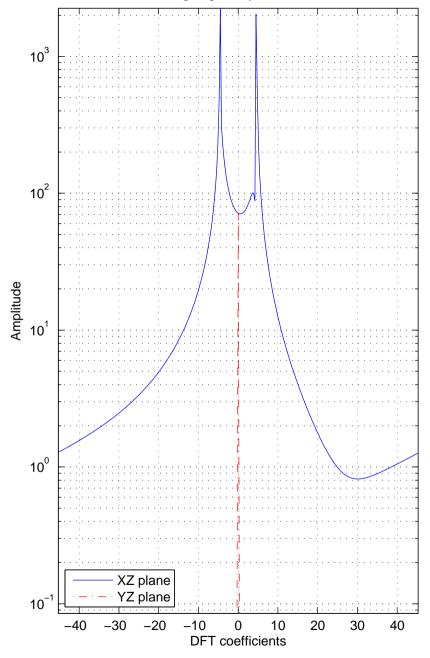
Plane Mode: 0, Steering angle on x direction: 83°, Steering angle on y direction: 0°.



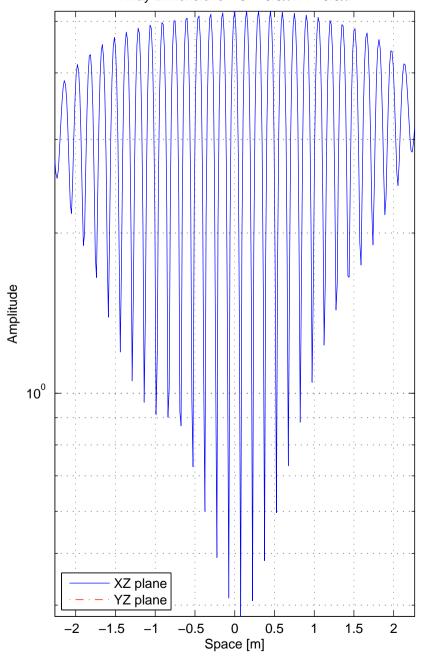
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



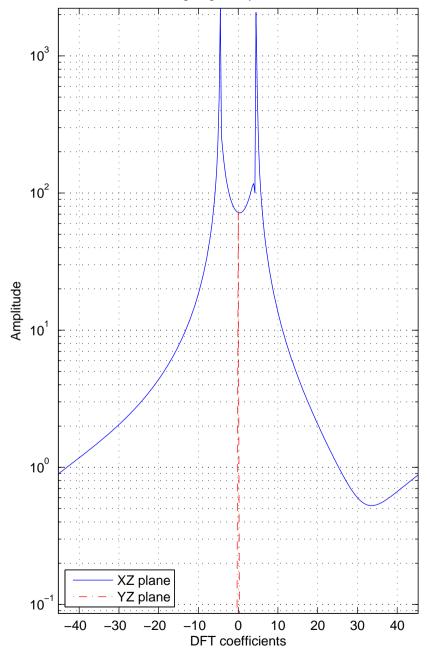
Plane Mode: 0, Steering angle on x direction: 84°, Steering angle on y direction: 0°.



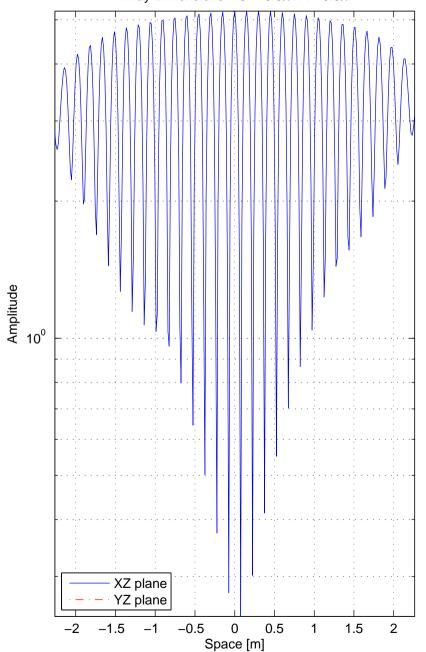
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



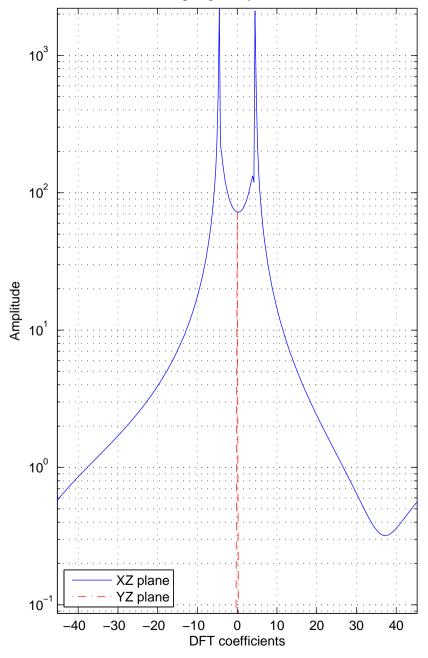
Plane Mode: 0, Steering angle on x direction: 85°, Steering angle on y direction: 0°.



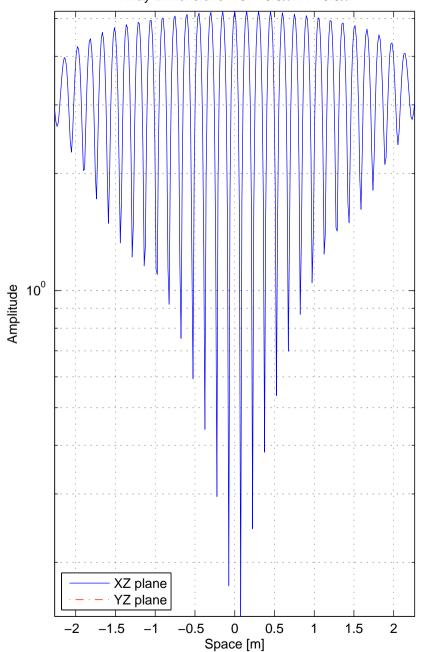
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



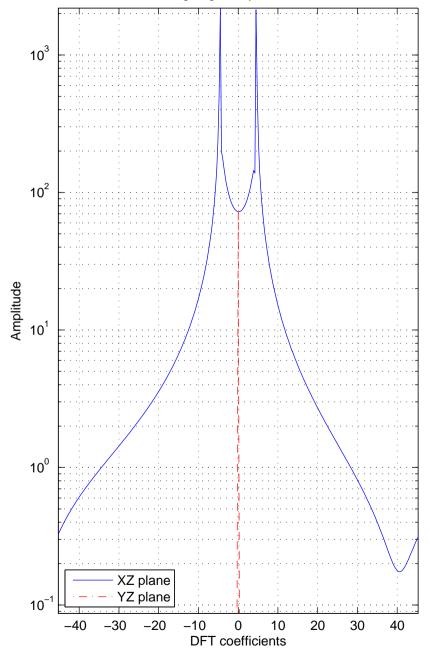
Plane Mode: 0, Steering angle on x direction: 86°, Steering angle on y direction: 0°.



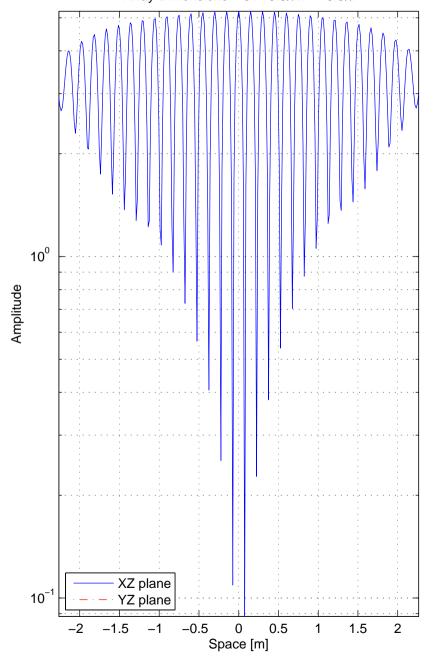
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



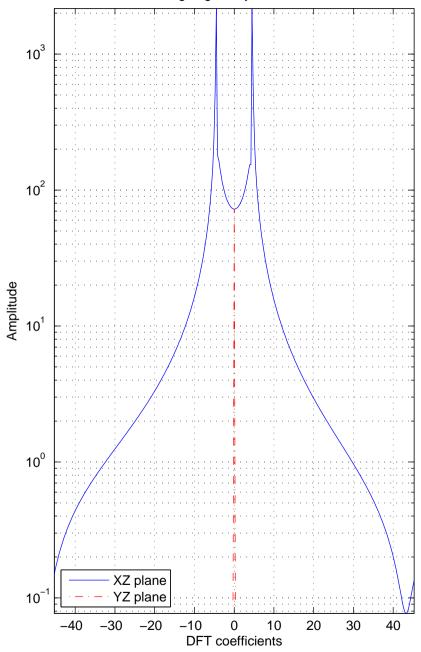
Plane Mode: 0, Steering angle on x direction: 87°, Steering angle on y direction: 0°.



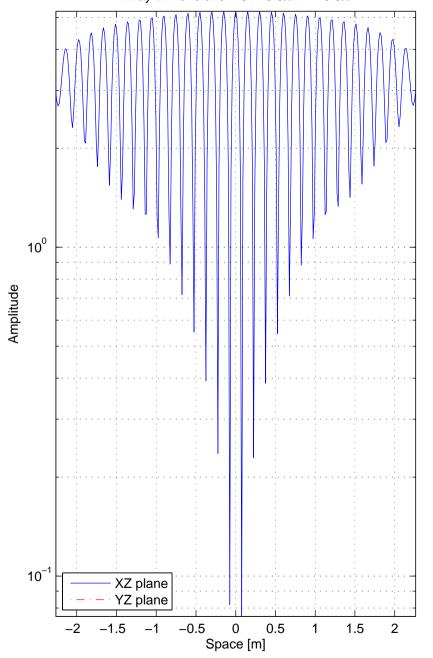
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



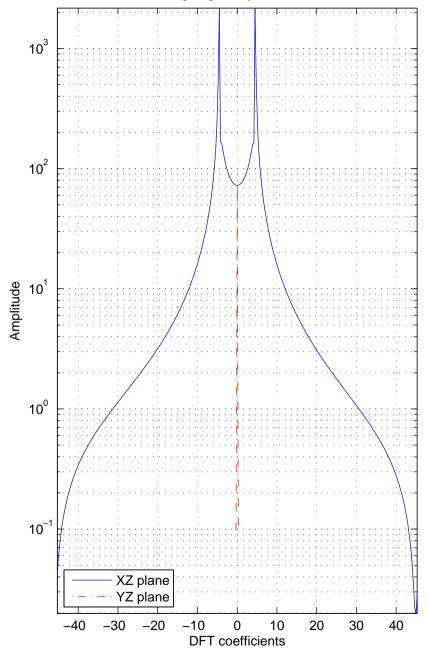
Plane Mode: 0, Steering angle on x direction: 88°, Steering angle on y direction: 0°.



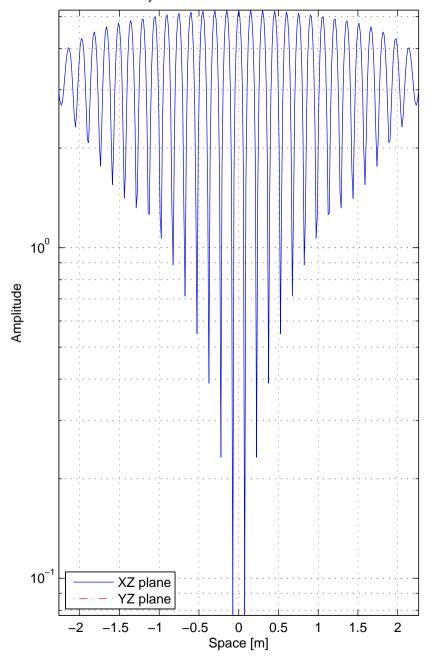
NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 89°, Steering angle on y direction: 0°.



NF, Altitude = 0.525λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



Plane Mode: 0, Steering angle on x direction: 90°, Steering angle on y direction: 0°.

