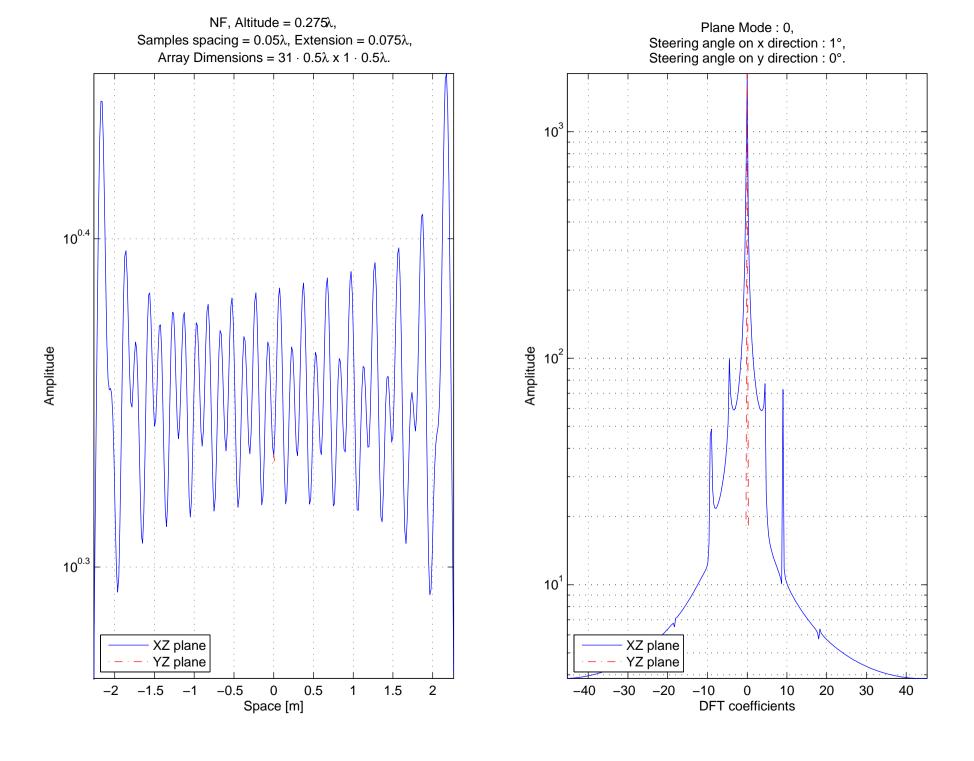
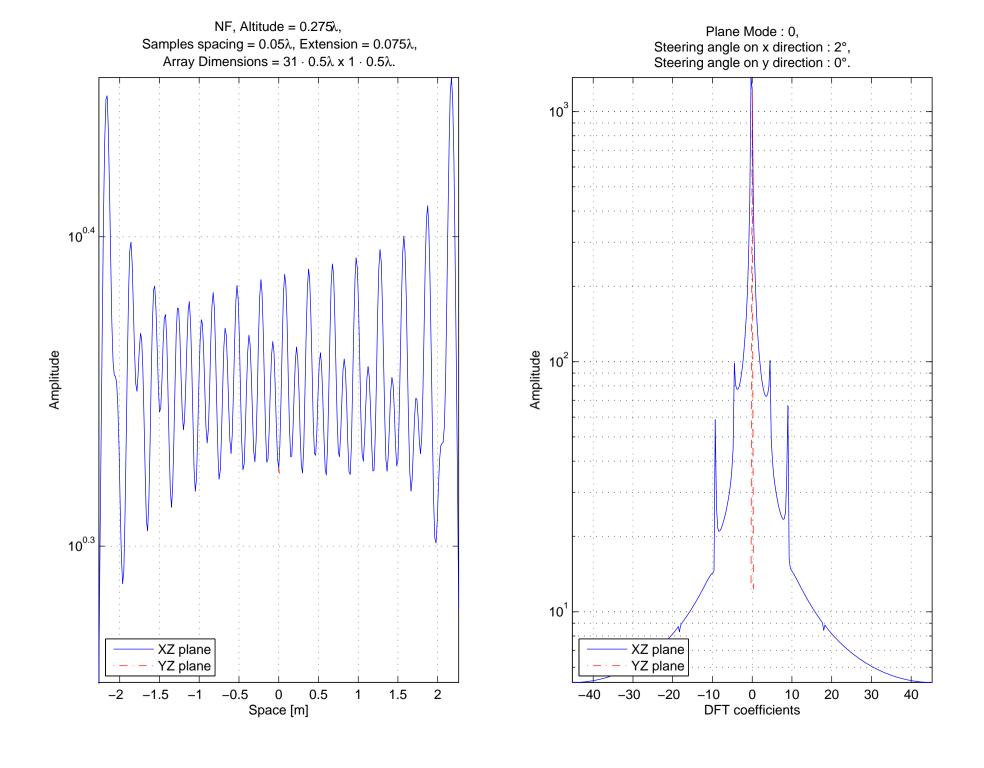
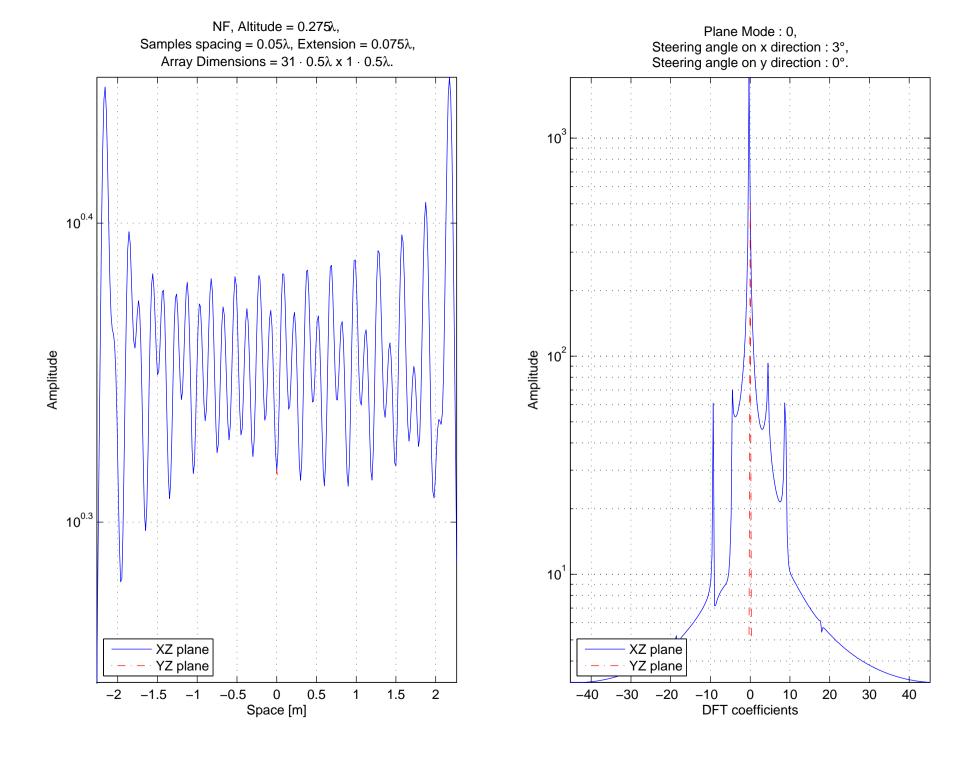
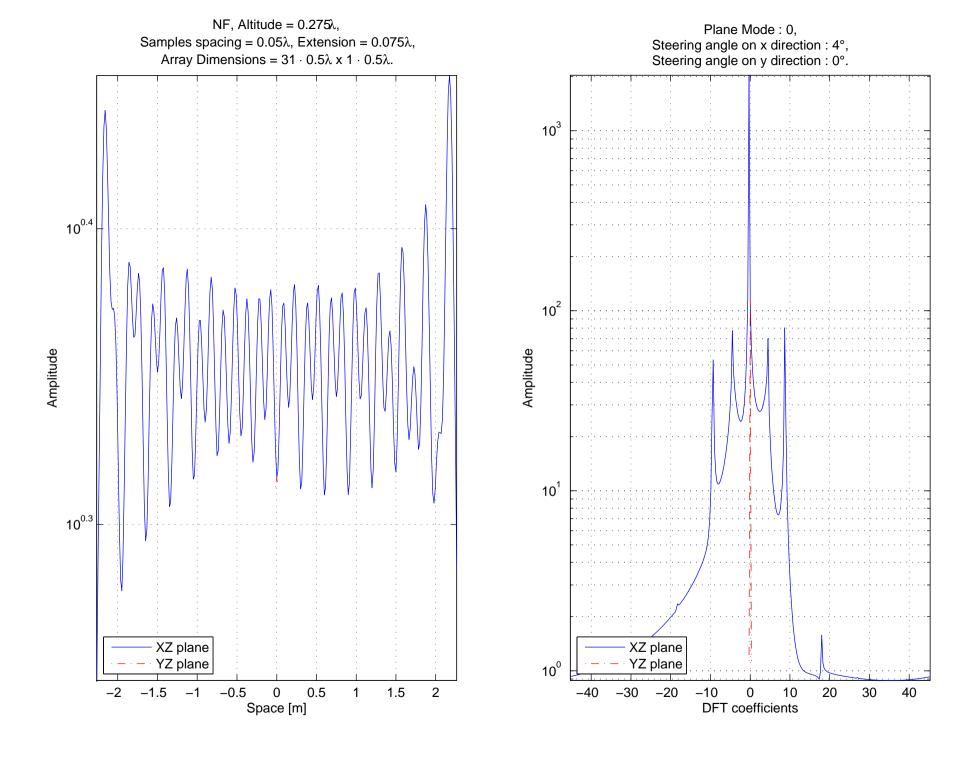


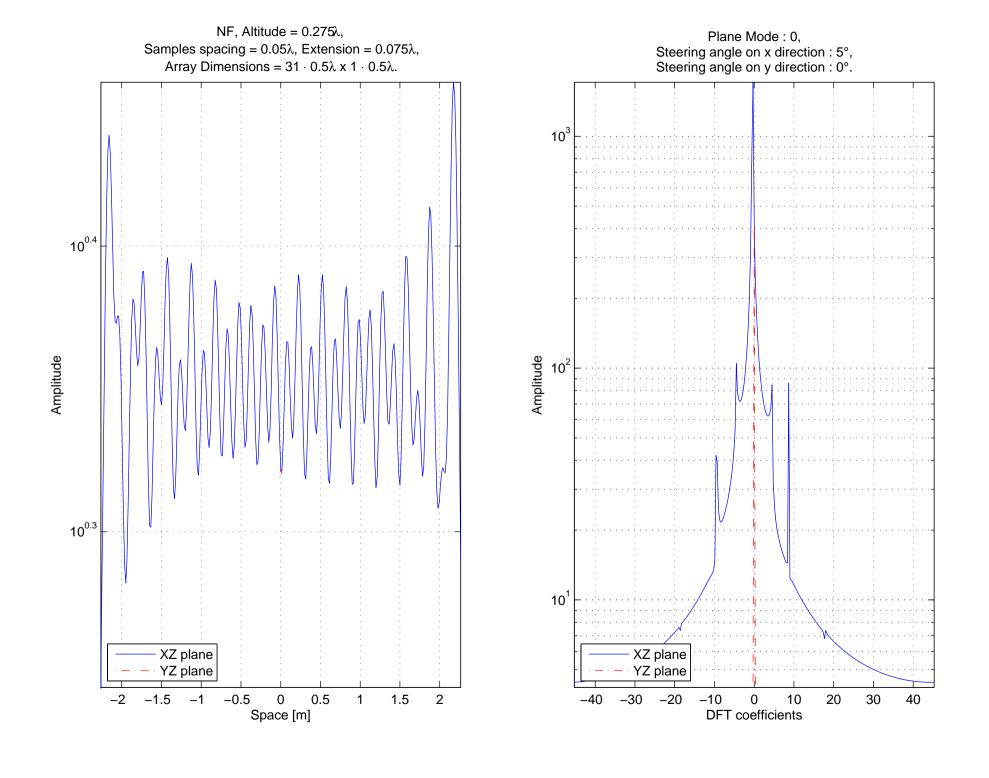
Plane Mode: 0, Steering angle on x direction : 0°, Steering angle on y direction : 0°. Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² 10^{0.4} 10¹ Amplitude Amplitude 10° 10⁻¹ 10^{0.3} 10⁻² XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -40 -30 -20 -10 10 20 30 40 -1 0 2 Space [m] DFT coefficients

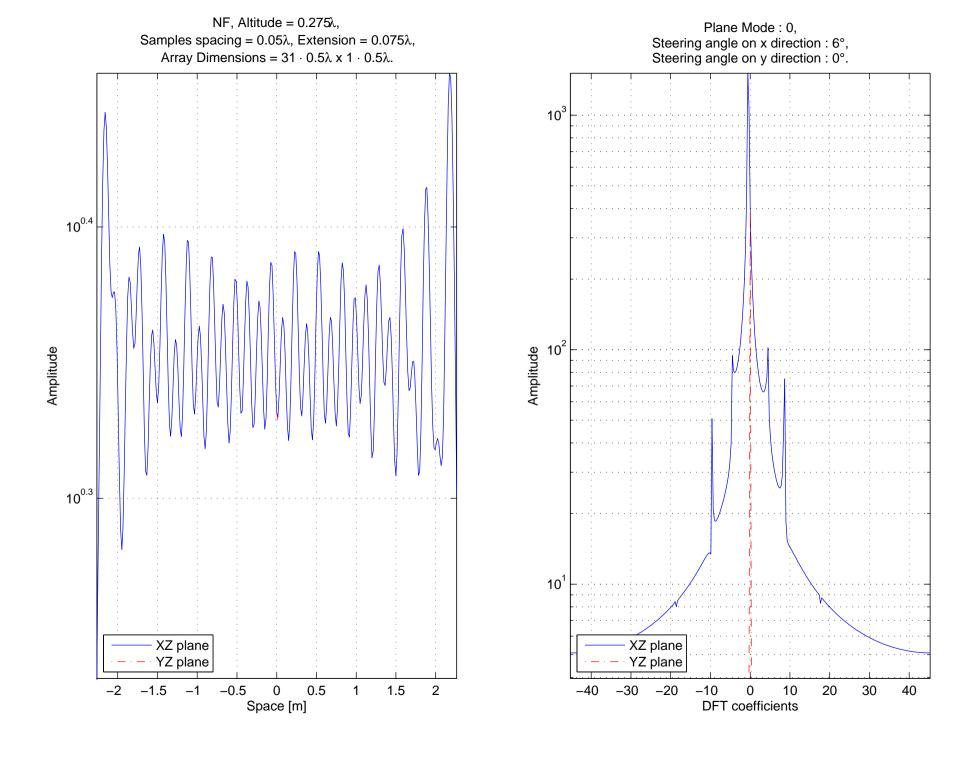


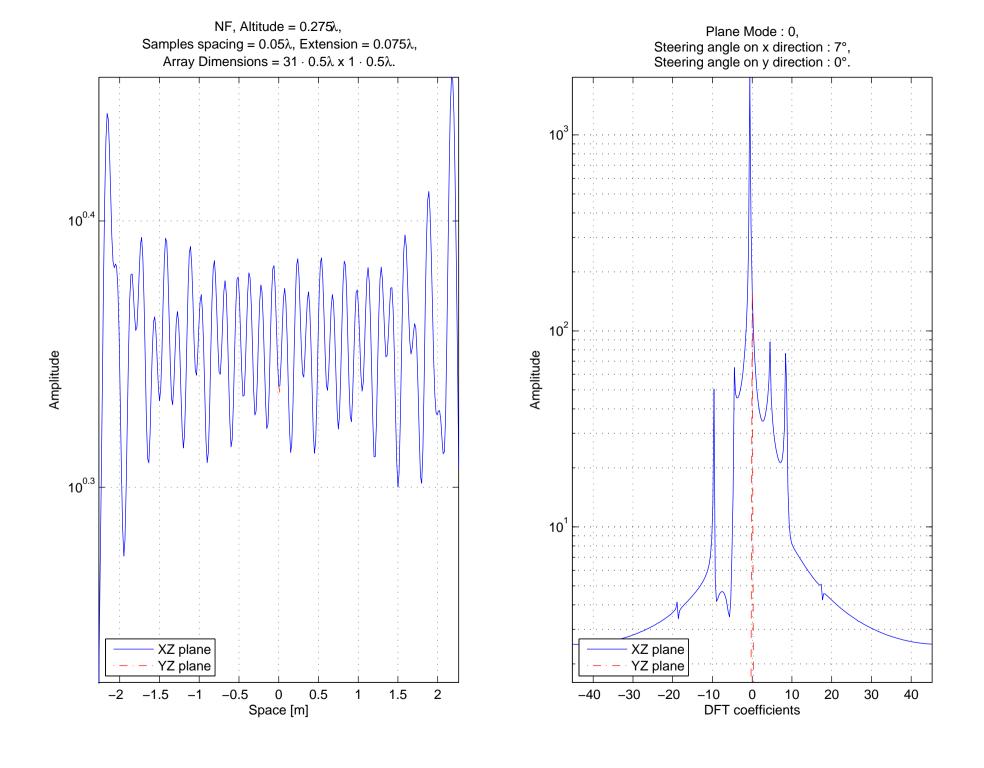


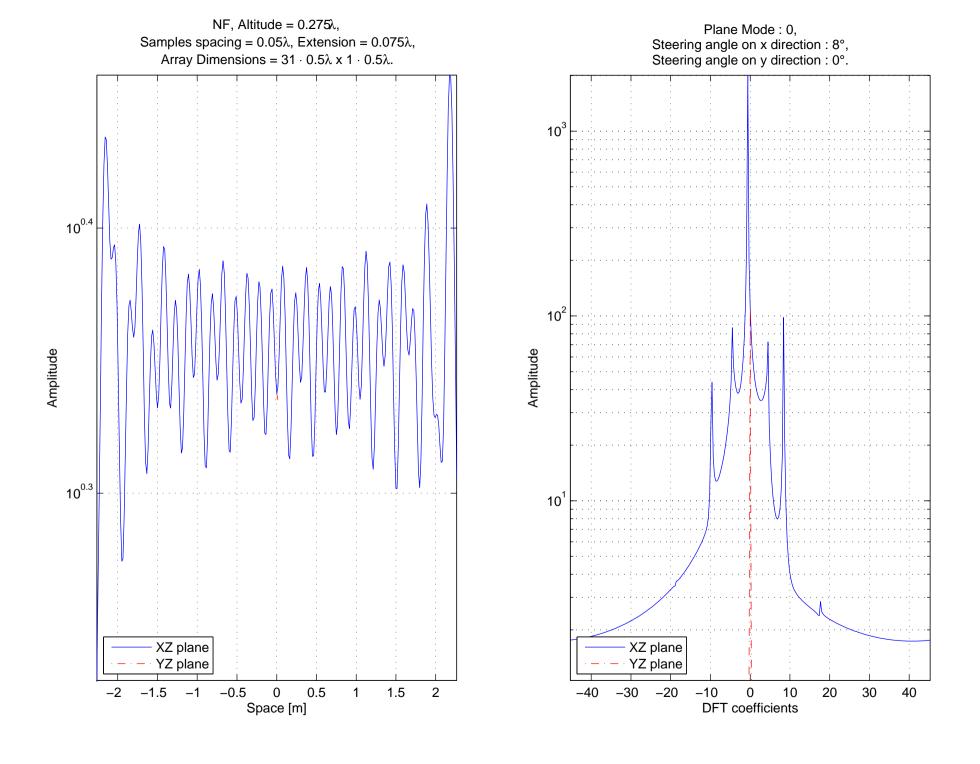


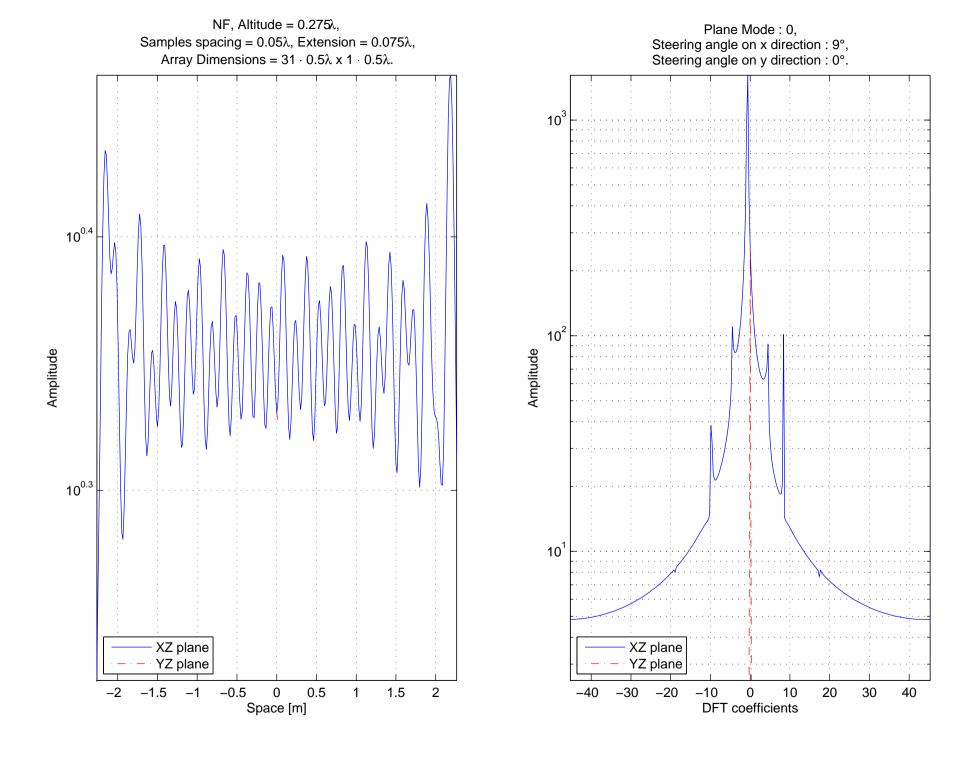












Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 10°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10 XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 40 -1 0 2 0 Space [m] DFT coefficients

Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 11°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10¹ XZ plane XZ plane 10⁰ YZ plane YZ plane -2 -1.5 0.5 -0.5 1.5 -30 -20 -10 10 20 30 40 -1 0 2 Space [m] DFT coefficients

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 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10¹ 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 0 40 Space [m] DFT coefficients

Plane Mode: 0,

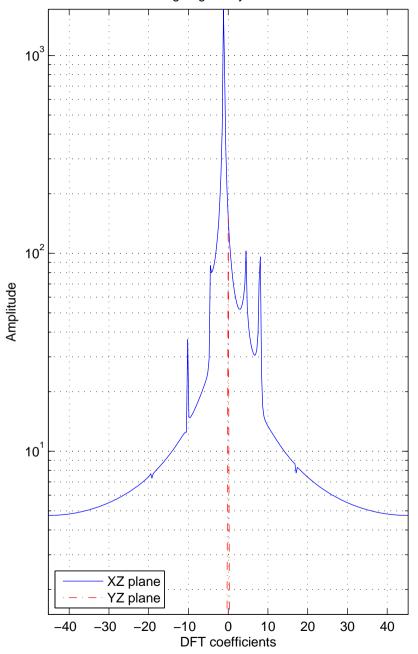
Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 13°, Steering angle on y direction: 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10¹ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 -1 0 2 -40 Space [m] DFT coefficients

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40

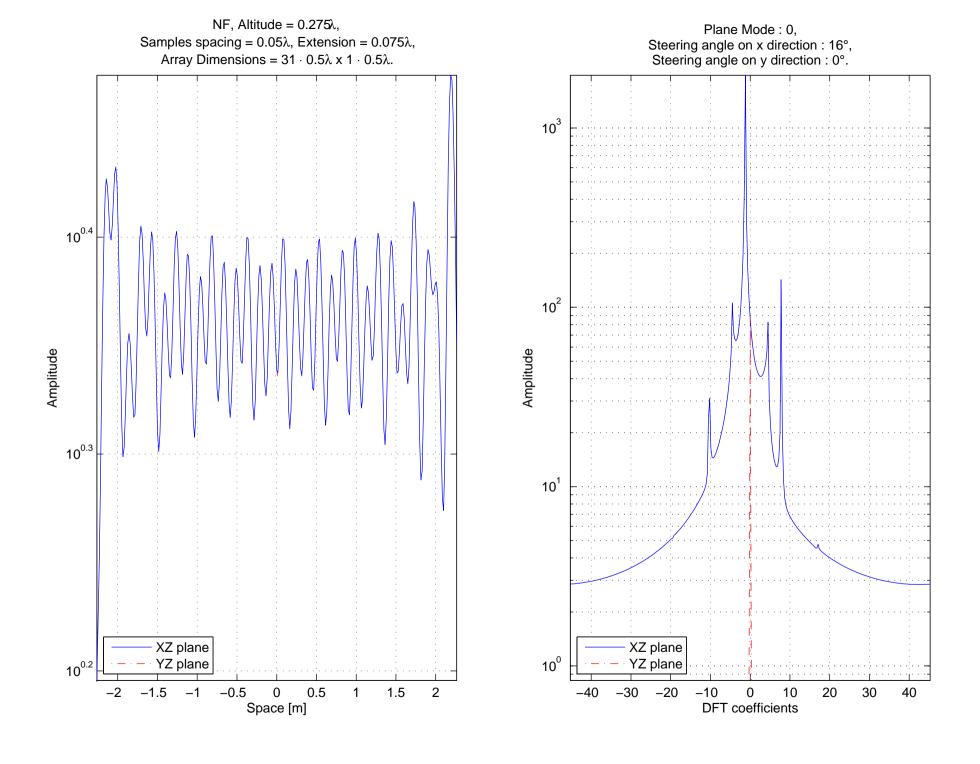
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.4} Amplitude 10^{0.3} XZ plane 10^{0.2} YZ plane -1.5 0.5 -0.5 1.5 -1 0 2 Space [m]

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



Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 15°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.4} l 10² Amplitude Amplitude 10^{0.3} 10¹ 10⁰ XZ plane XZ plane 10^{0.2} YZ plane YZ plane -1.5 0.5 -0.5 1.5 -30 -20 -10 20 30 -1 0 2 -40 10 40 Space [m] DFT coefficients

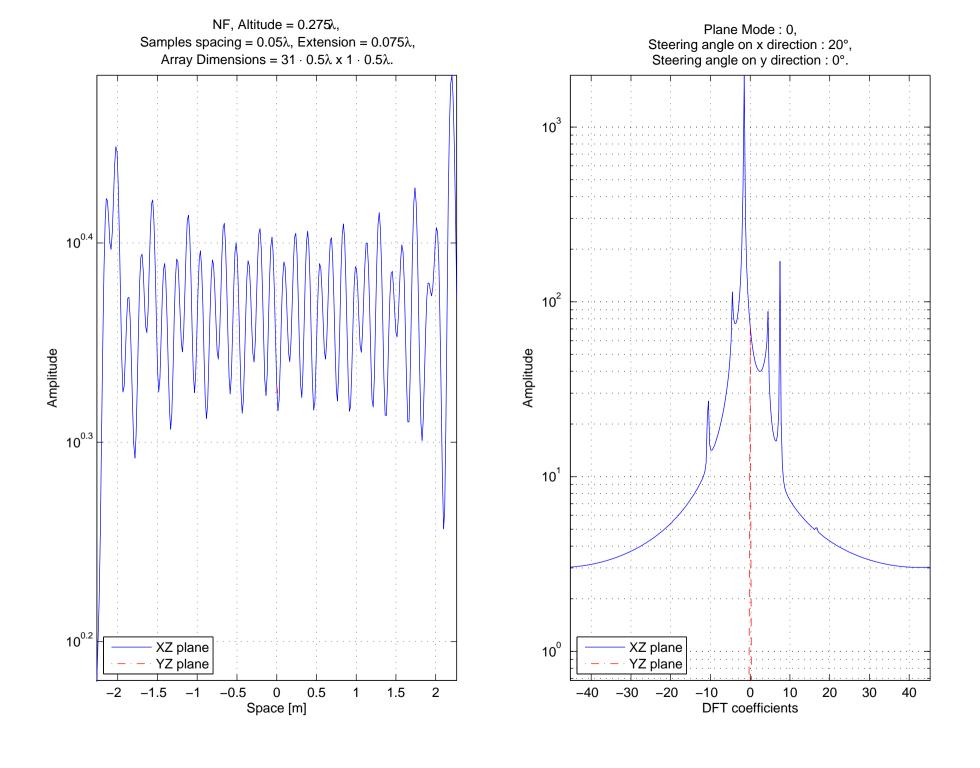
Plane Mode: 0,



Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 17°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.4} 10 Amplitude Amplitude 10^{0.3} 10 XZ plane XZ plane 10^{0.2} YZ plane YZ plane -2 -1.5 0.5 -0.5 1.5 -30 -20 -10 10 20 30 40 -1 0 2 0 Space [m] DFT coefficients

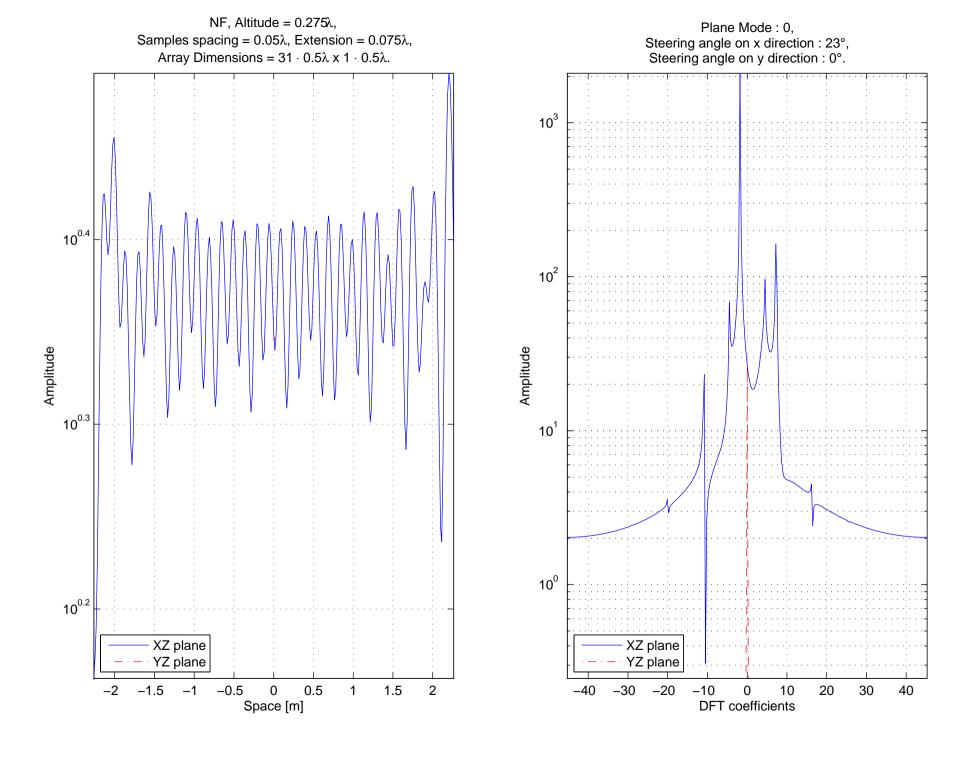
Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 18°, Steering angle on y direction: 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.4} 10 Amplitude Amplitude 10^{0.3} 10 10^{0.2} XZ plane XZ plane YZ plane YZ plane 0.5 10 20 -1.5 -0.5 1.5 -30 -20 -10 30 40 -1 0 2 -40 0 Space [m] DFT coefficients

Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 19°, Steering angle on y direction: 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10¹ 10⁰ 10^{0.2} XZ plane XZ plane YZ plane YZ plane -2 -1.5 0.5 -1 -0.5 1.5 -30 -20 -10 10 20 30 0 2 40 Space [m] DFT coefficients

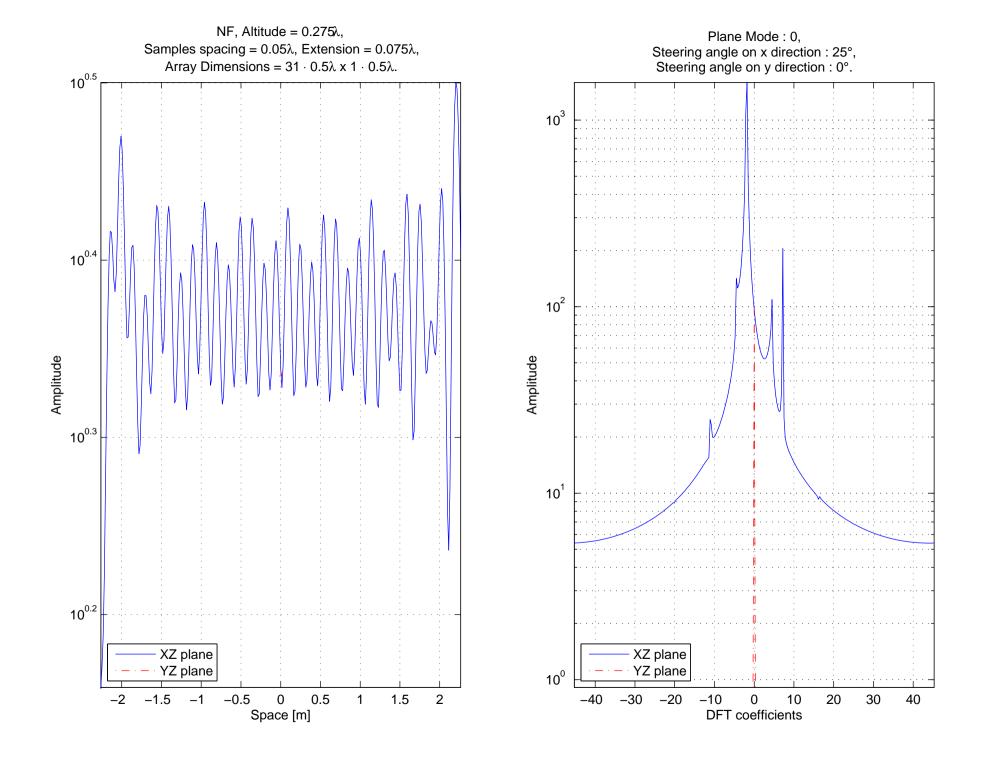


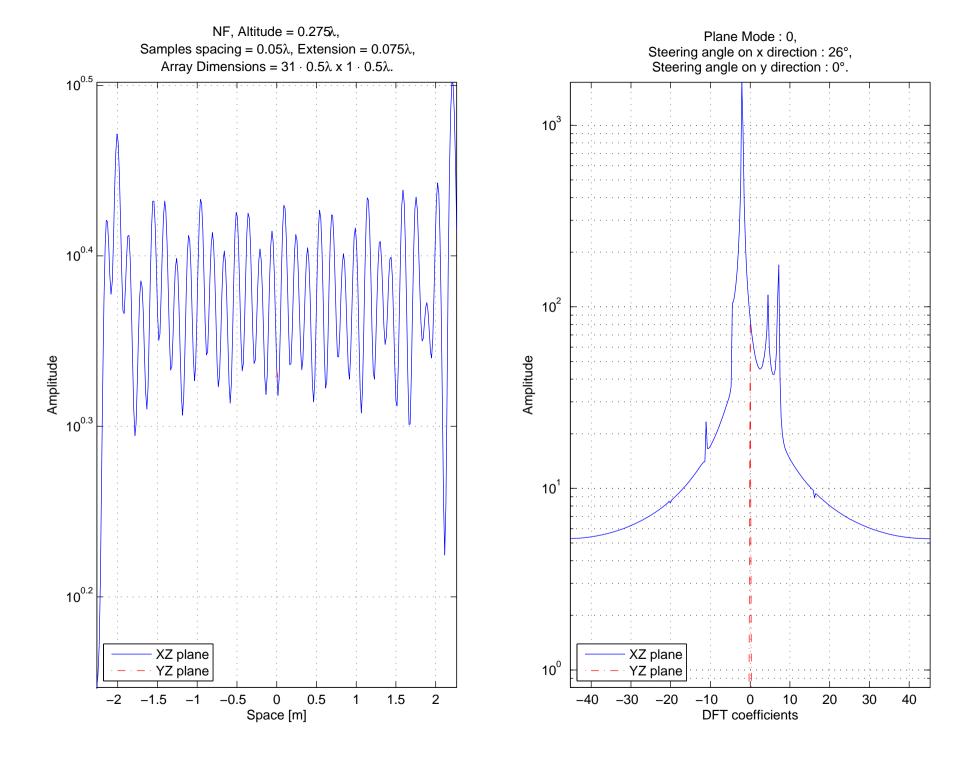
Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 21°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.4} 10 Amplitude Amplitude 10^{0.3} 10¹ 10^{0.2} XZ plane XZ plane YZ plane YZ plane -2 -1.5 0.5 10 20 -1 -0.5 1.5 -30 -20 -10 30 40 0 2 -40 0 Space [m] DFT coefficients

Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 22°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10¹ 10^{0.2} XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -40 -30 -20 -10 10 20 30 -1 0 2 0 40 Space [m] DFT coefficients

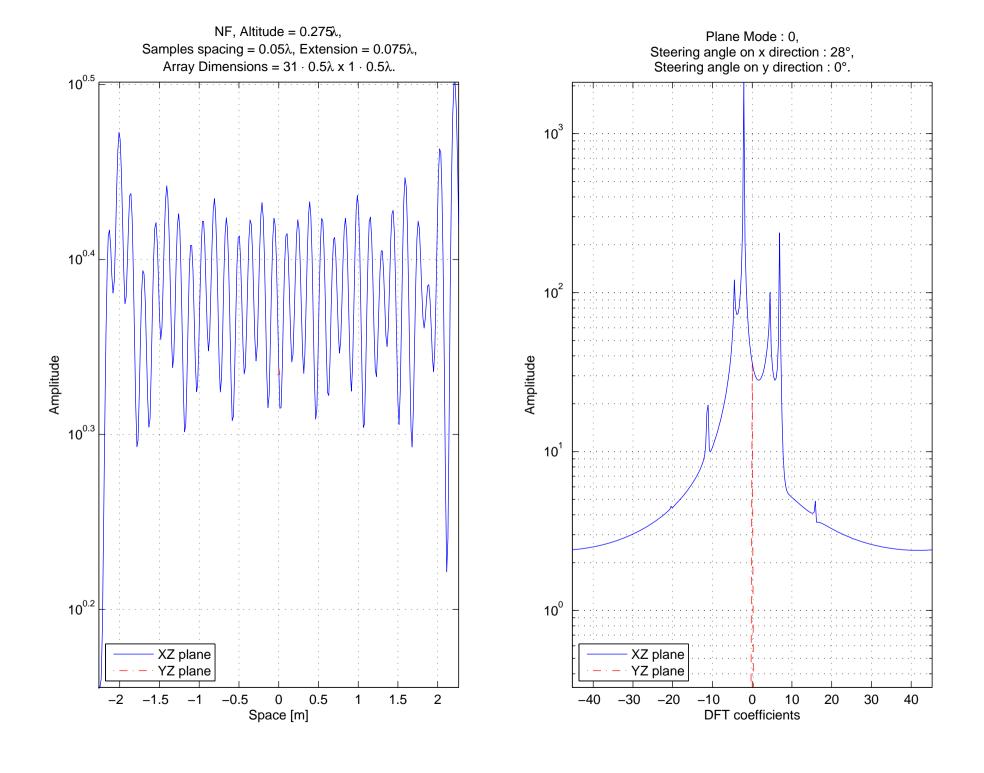


Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 24°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10¹ 10^{0.2} 10⁰ XZ plane XZ plane YZ plane YZ plane -2 -1.5 0.5 -1 -0.5 1.5 -30 -20 -10 10 20 30 40 0 2 -40 Space [m] DFT coefficients





Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 27°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10¹ 10^{0.2} 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 40 Space [m] DFT coefficients

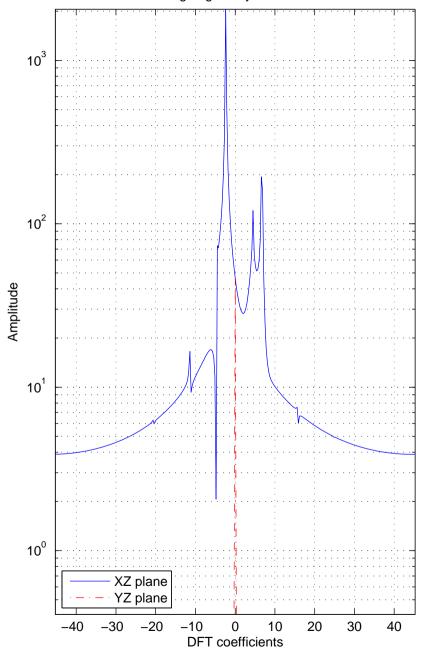


NF, Altitude = 0.275λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 29°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.5} 10³ 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10¹ 10^{0.2} XZ plane XZ plane 10⁰ 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

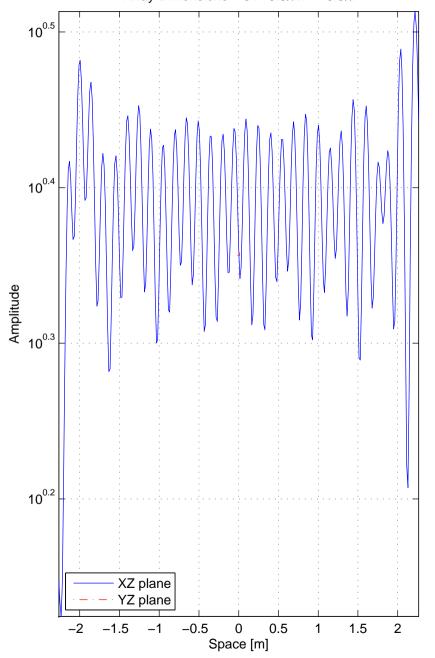
NF, Altitude = 0.275λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 30°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.5} 10³ 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10¹ 10^{0.2} XZ plane XZ plane 10⁰ 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 = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.5} 10^{0.4} Amplitude 10^{0.2} XZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -1 0 2 Space [m]

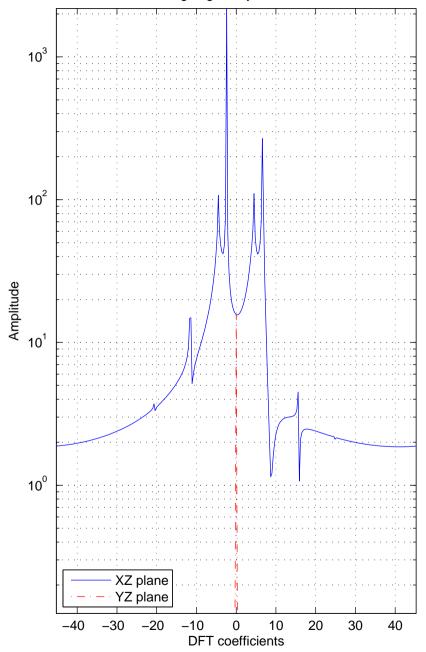
Plane Mode: 0, Steering angle on x direction: 31°, Steering angle on y direction: 0°.



NF, Altitude = 0.275λ , 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: 32°, Steering angle on y direction: 0°.



NF, Altitude = 0.275λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 33°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.5} 10³ 10^{0.4} 10² Amplitude Amplitude 10^{0.3} 10¹ 10^{0.2} 10⁰ XZ plane XZ plane YZ plane YZ plane -2 -1.5 0.5 -0.5 1.5 -30 -20 -10 10 20 30 40 -1 0 2 -40 0 Space [m] DFT coefficients

NF, Altitude = 0.275λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 34°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.5} 10^{0.4} 10² Amplitude Amplitude 10¹ 10^{0.2} XZ plane 10⁰ 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

NF, Altitude = 0.275λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 35°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.5} 10³ 10^{0.4} 10² Amplitude Amplitude 10¹ 10^{0.2} 10⁰ XZ plane XZ plane 10^{0.1} YZ plane YZ plane 5 0 (Space [m] -1.5 0.5 -1 -0.5 1.5 -40 -30 -20 -10 10 20 30 40 2 0 DFT coefficients

NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.5} 10^{0.4} Amplitude 10^{0.3} 10^{0.2} XZ plane 10^{0.1}

5 0 (Space [m]

-0.5

0.5

1.5

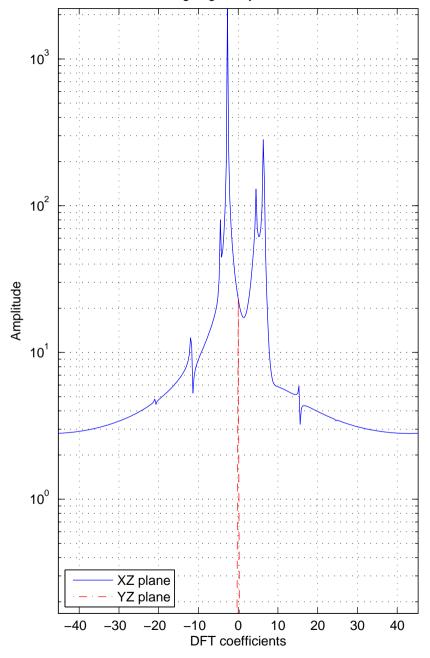
2

YZ plane

-1

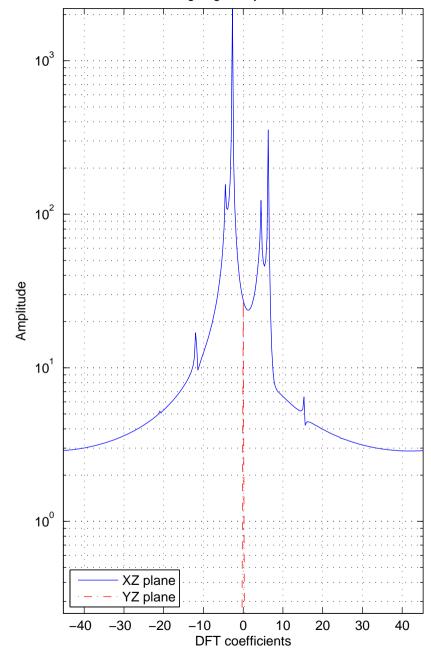
-1.5

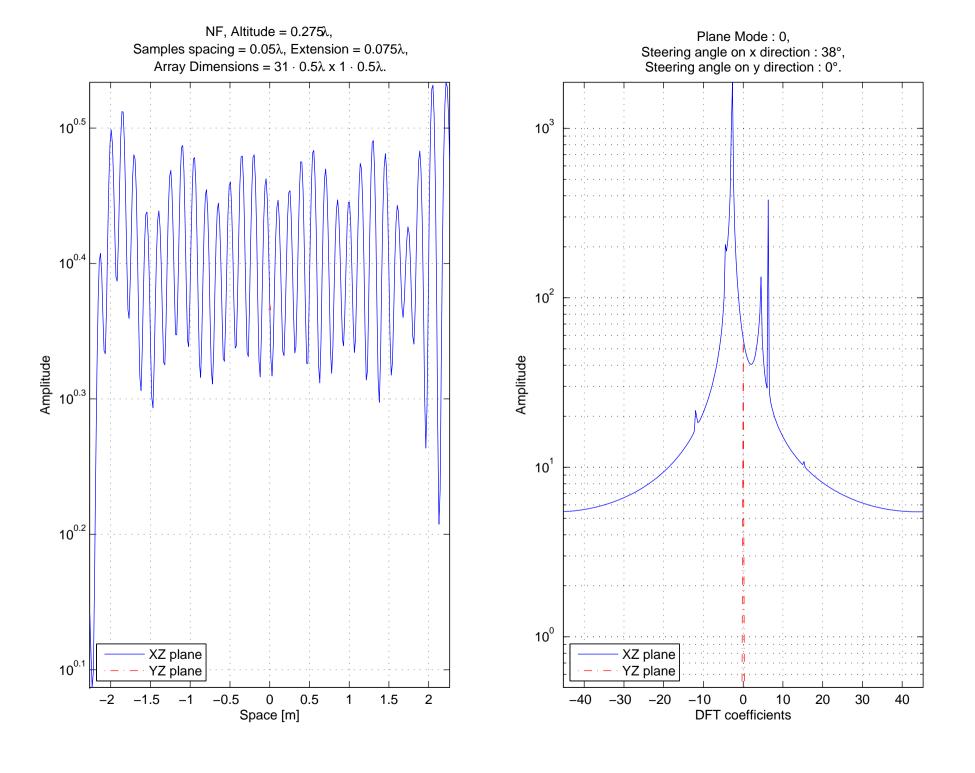
Plane Mode: 0, Steering angle on x direction : 36°, Steering angle on y direction : 0°.

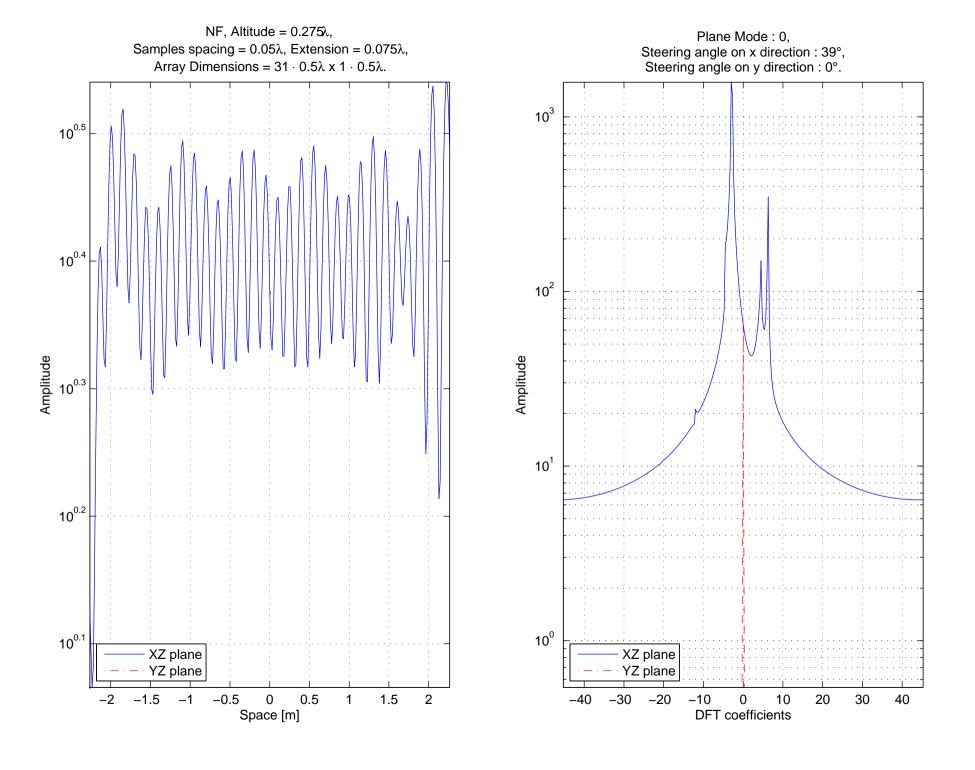


NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.5} 10^{0.4} Amplitude 10^{0.3} 10^{0.2} XZ plane 10^{0.1} YZ plane 5 0 (Space [m] -1.5 0.5 -0.5 1.5 -1 2

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



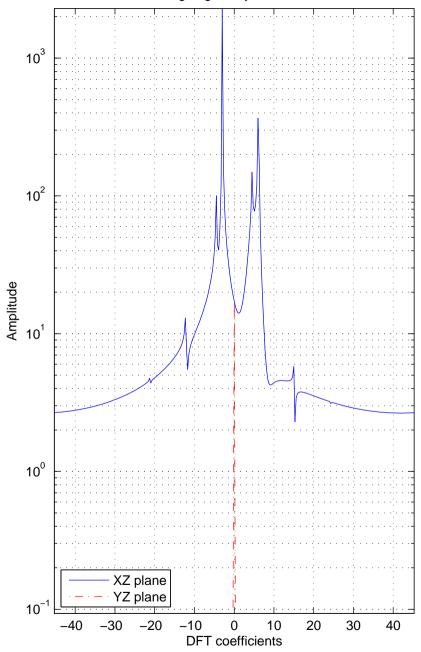




NF, Altitude = 0.275λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 40°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.5} 10³ 10^{0.4} 10² Amplitude 10^{0.3} Amplitude 10¹ 10^{0.2} 10^{0.1} 10⁰ XZ plane XZ plane YZ plane YZ plane -1.5 0.5 -2 -0.5 1.5 -40 -30 -20 -10 10 20 30 -1 0 2 40 Space [m] DFT coefficients

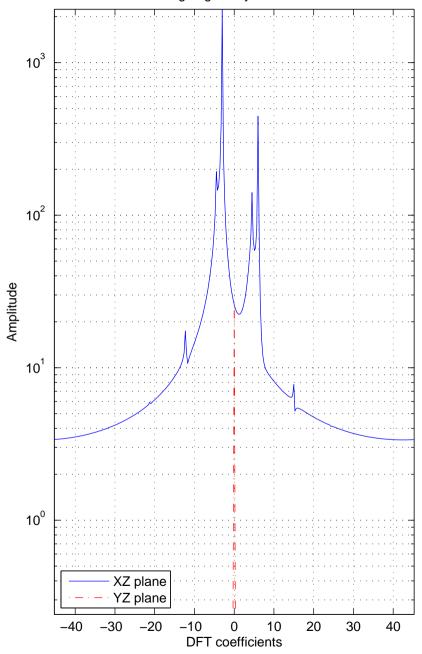
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.5} [10^{0.4} Amplitude 10^{0.3} 10^{0.2} 10^{0.1} XZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -1 0 2 Space [m]

Plane Mode: 0, Steering angle on x direction: 41°, Steering angle on y direction: 0°.



NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.5} 10^{0.4} Amplitude 10^{0.2} 10^{0.1} XZ plane YZ plane -2 -1.5 0.5 -0.5 1.5 -1 0 2 Space [m]

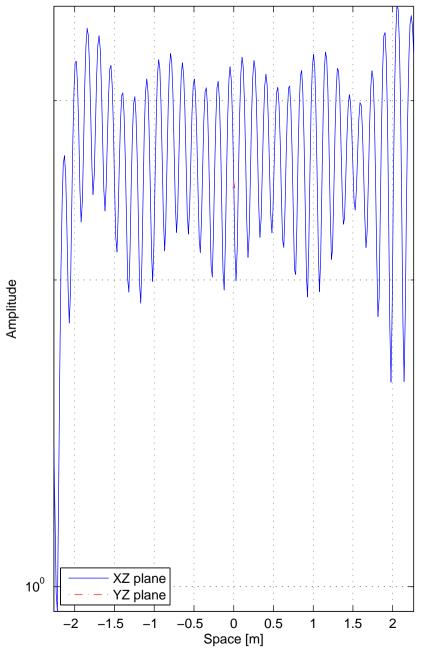
Plane Mode: 0, Steering angle on x direction: 42°, Steering angle on y direction: 0°.



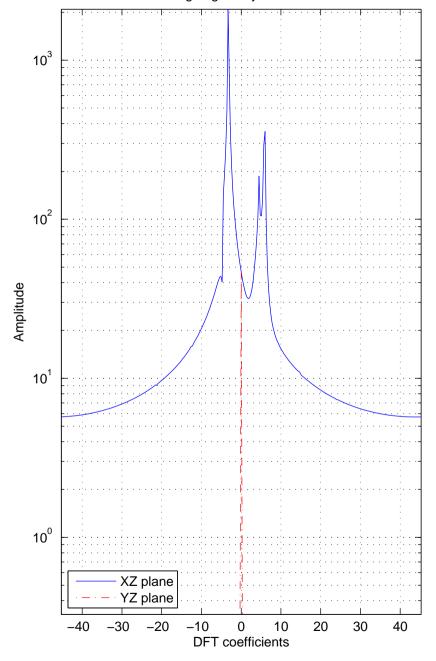
NF, Altitude = 0.275λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 43°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.5} 10^{0.4} 10² Amplitude Amplitude 10¹ 10^{0.2} 10^{0.1} 10⁰ XZ 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 40 Space [m] DFT coefficients

NF, Altitude = 0.275λ , Plane Mode: 0, Steering angle on x direction: 44°, Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Steering angle on y direction: 0°. 10³ 10^{0.5} 10^{0.4} 10² Amplitude Amplitude ` 10^{0.3}1 10¹ 10^{0.2} 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 40 Space [m] DFT coefficients

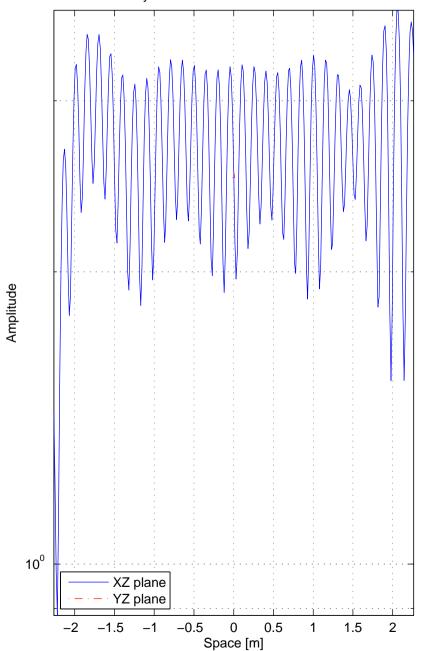
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



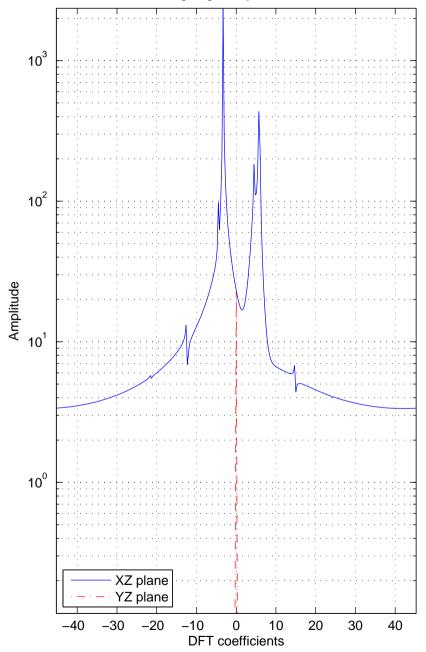
Plane Mode: 0, Steering angle on x direction: 45°, Steering angle on y direction: 0°.



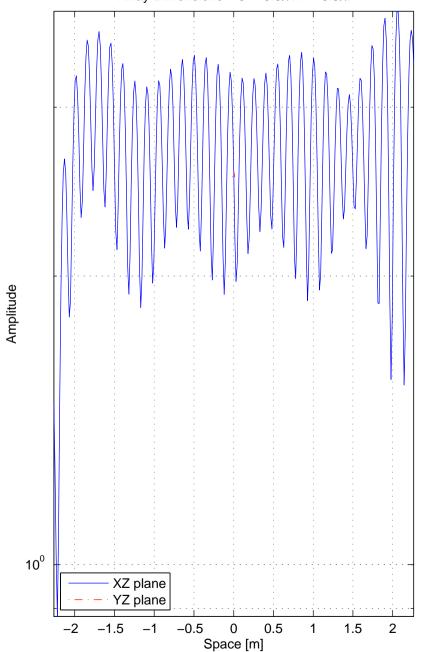
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



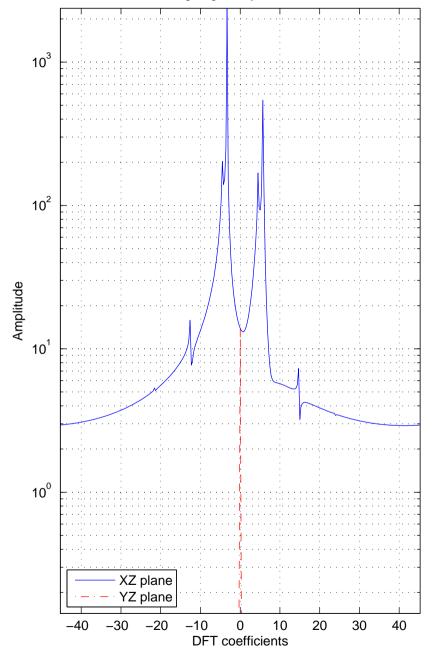
Plane Mode: 0, Steering angle on x direction: 46°, Steering angle on y direction: 0°.



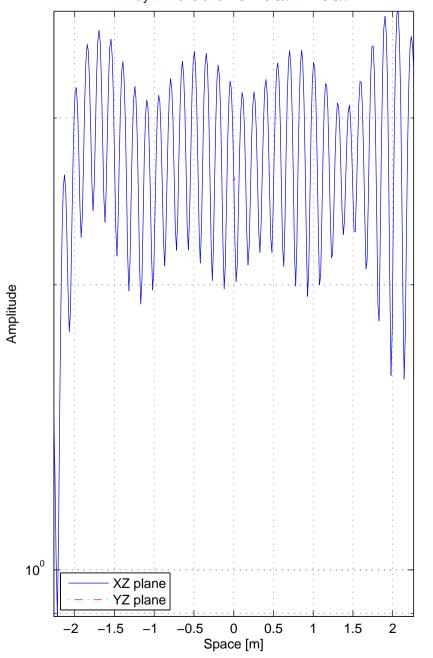
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



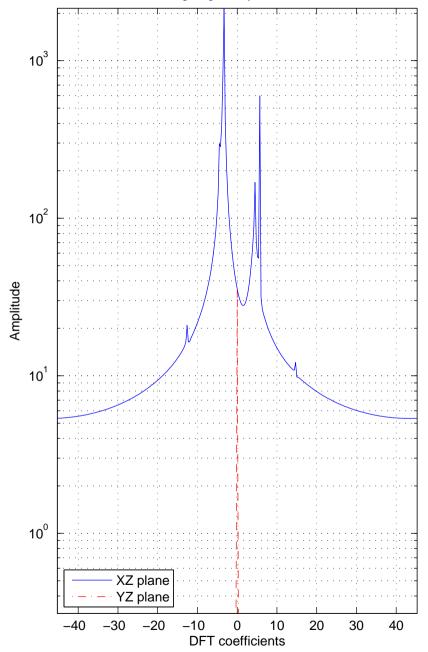
Plane Mode: 0, Steering angle on x direction: 47°, Steering angle on y direction: 0°.



NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.

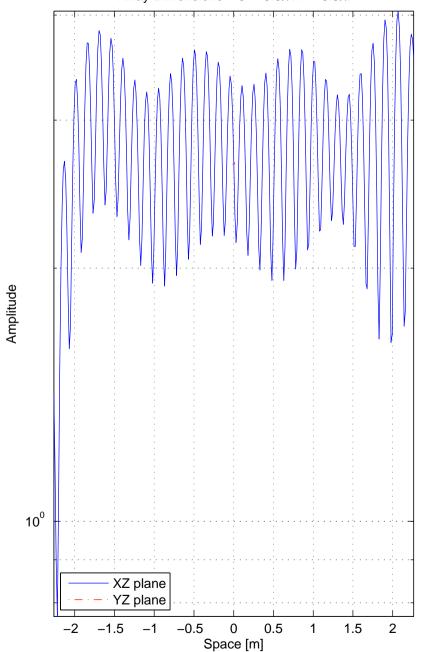


Plane Mode: 0, Steering angle on x direction: 48°, Steering angle on y direction: 0°.

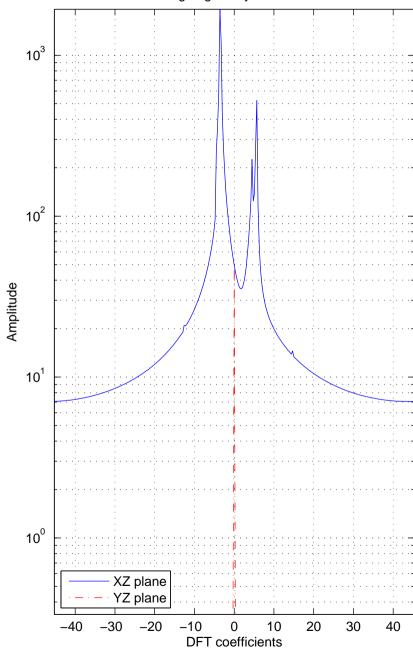


Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 49°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 20 30 -1 0 2 -40 10 40 Space [m] DFT coefficients

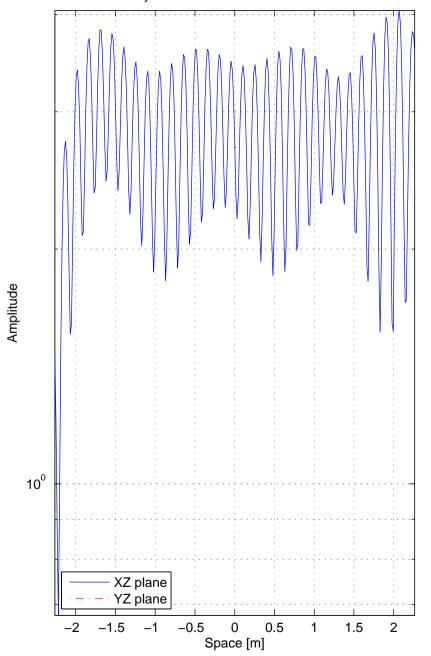
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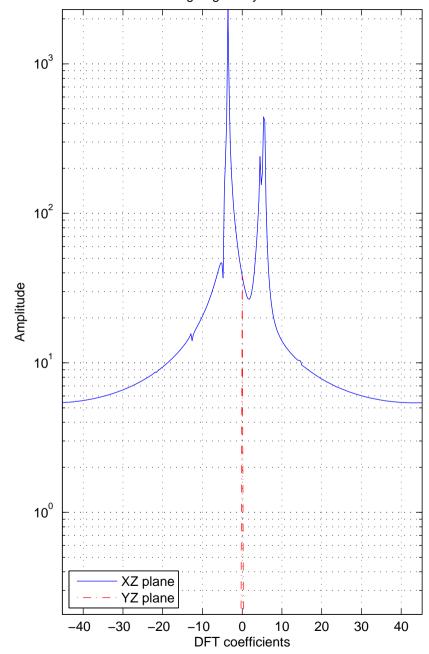
Plane Mode: 0, Steering angle on x direction: 50°, Steering angle on y direction: 0°.



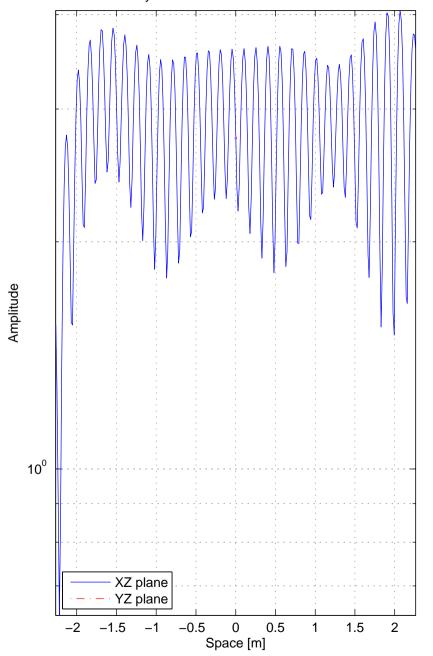
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



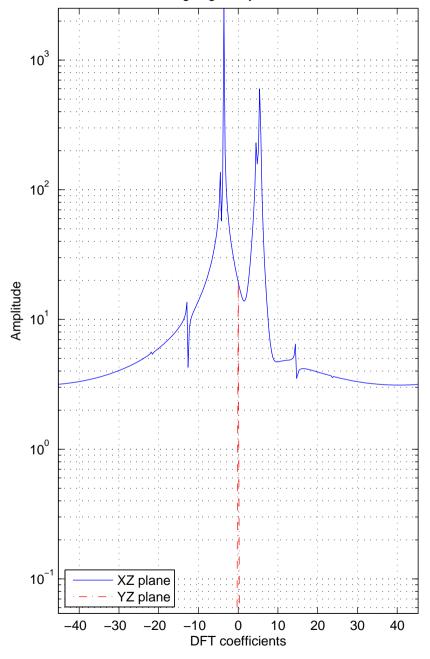
Plane Mode: 0, Steering angle on x direction: 51°, Steering angle on y direction: 0°.



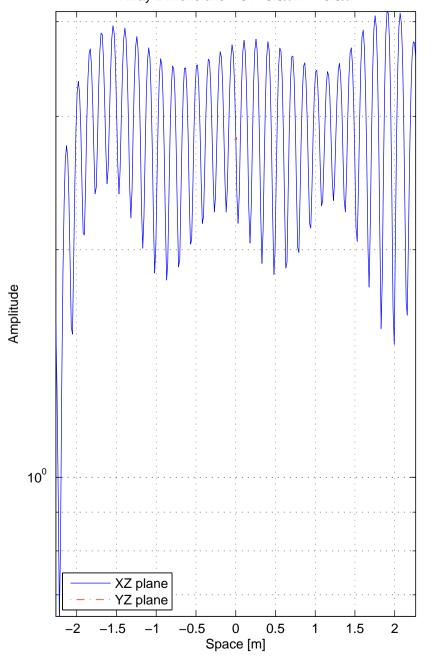
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



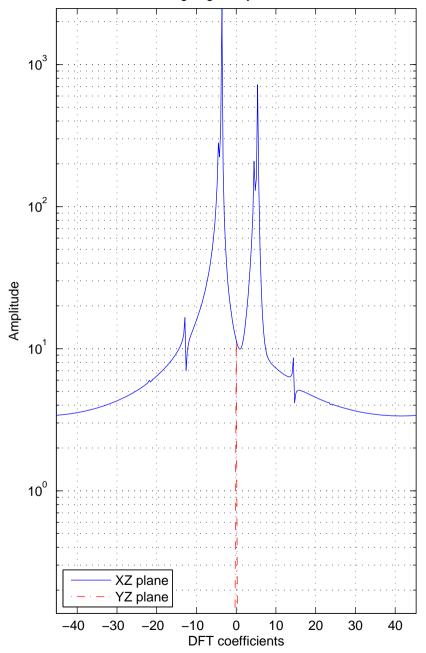
Plane Mode: 0, Steering angle on x direction: 52°, Steering angle on y direction: 0°.



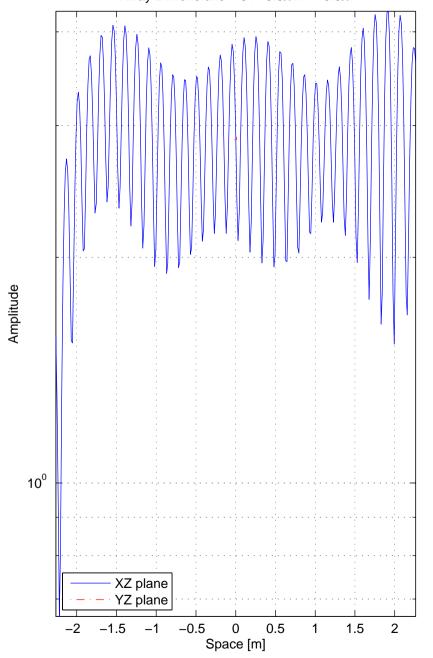
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



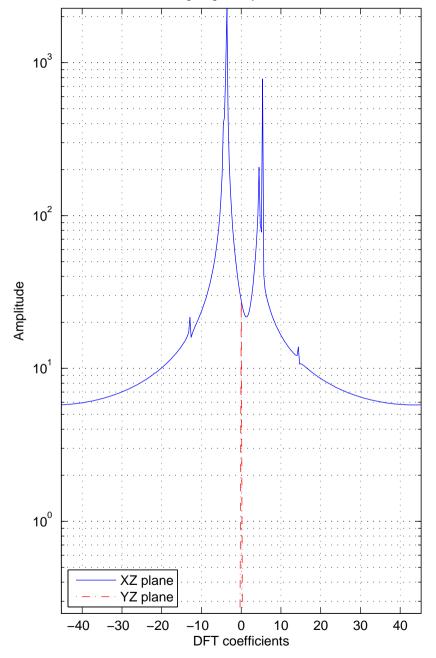
Plane Mode: 0, Steering angle on x direction: 53°, Steering angle on y direction: 0°.



NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



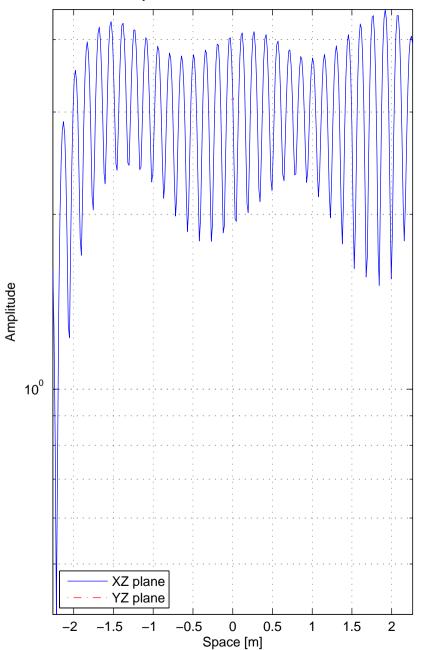
Plane Mode: 0, Steering angle on x direction: 54°, Steering angle on y direction: 0°.



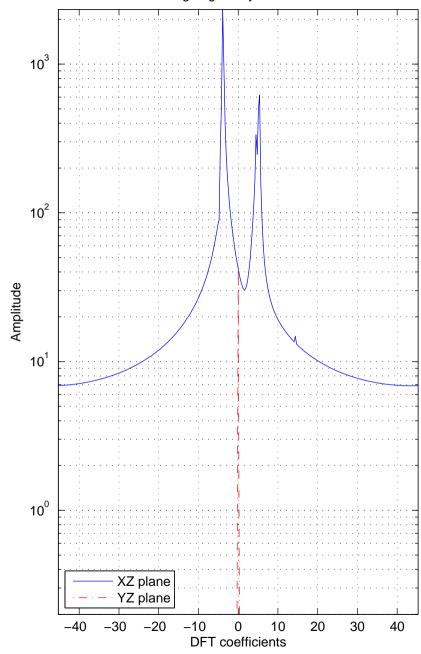
NF, Altitude = 0.275λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 55°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 -1 0 2 0 40 Space [m] DFT coefficients

Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 56°, 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 10 20 30 -1 0 2 40 Space [m] DFT coefficients

NF, Altitude = 0.275λ , 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: 57°, Steering angle on y direction: 0°.



NF, Altitude = 0.275λ , 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

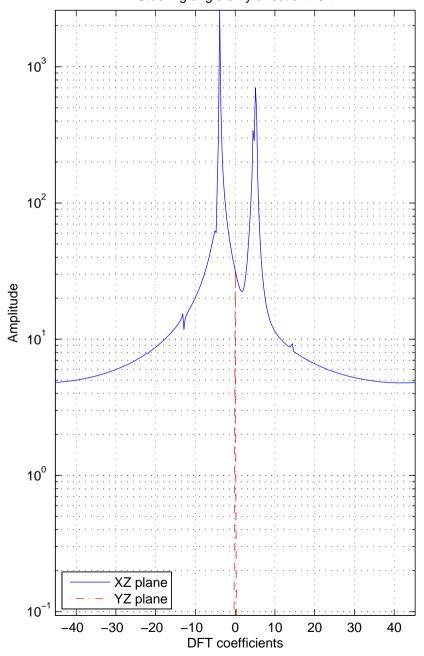
0.5

0

Space [m]



Plane Mode: 0, Steering angle on x direction: 58°, Steering angle on y direction: 0°.



Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 59°, 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 10 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

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 Amplitude 10⁰ 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 40 -1 0 2 -40 0 Space [m] DFT coefficients

Plane Mode: 0,

NF, Altitude = 0.275λ , 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 10¹ 10⁰ 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 0 2 Space [m] DFT coefficients

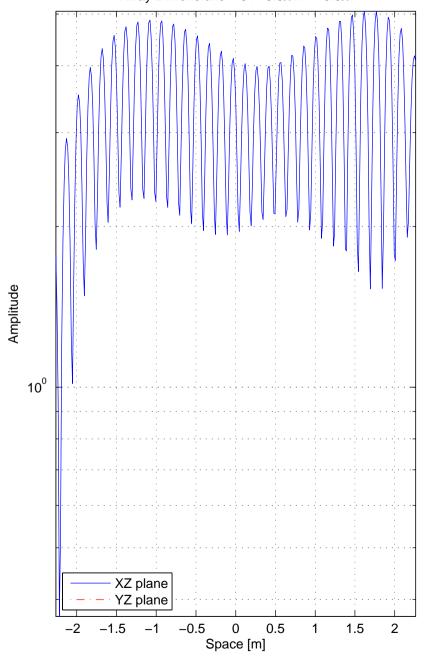
20

10

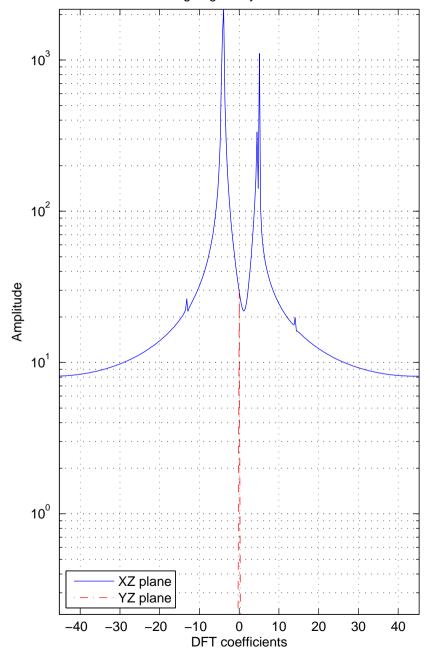
30

40

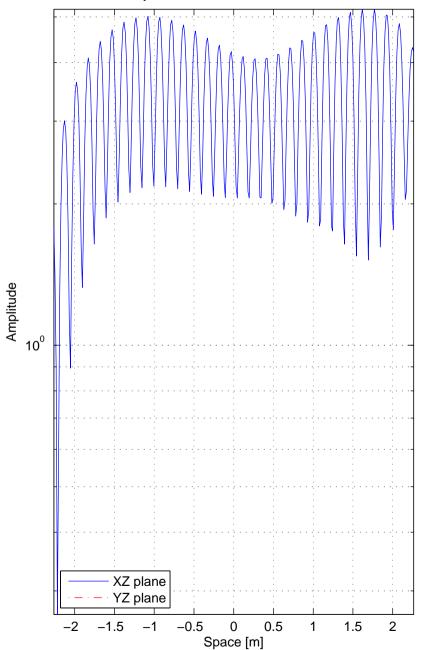
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



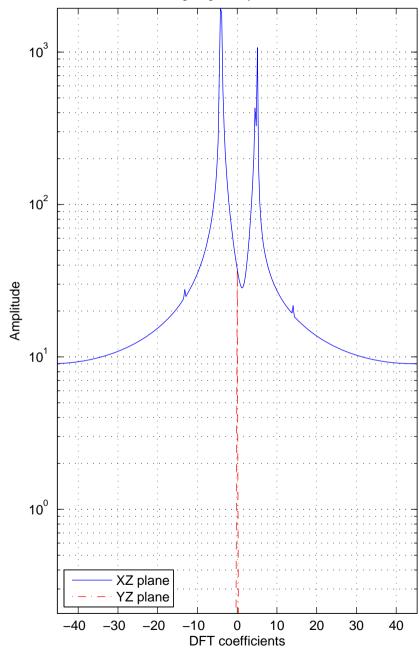
Plane Mode: 0, Steering angle on x direction: 62°, Steering angle on y direction: 0°.



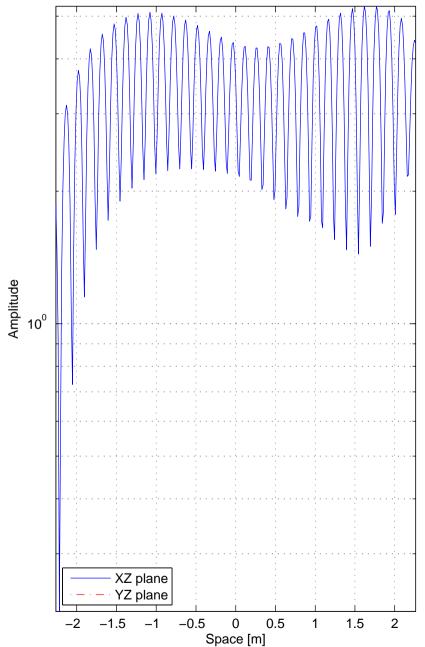
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



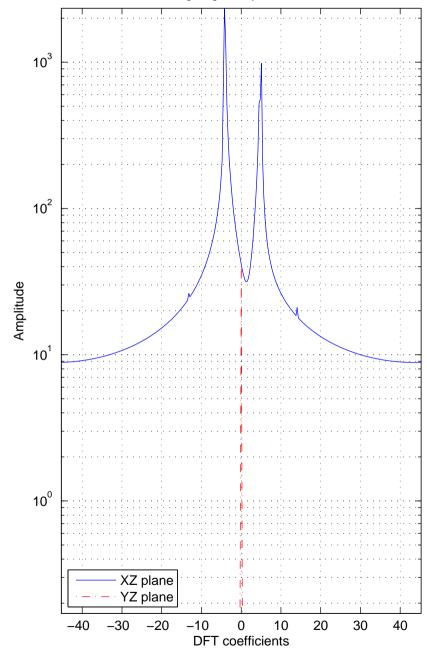
Plane Mode: 0, Steering angle on x direction: 63°, Steering angle on y direction: 0°.



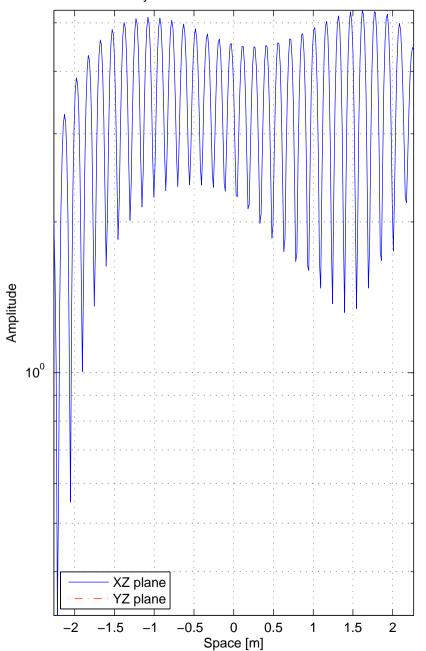
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



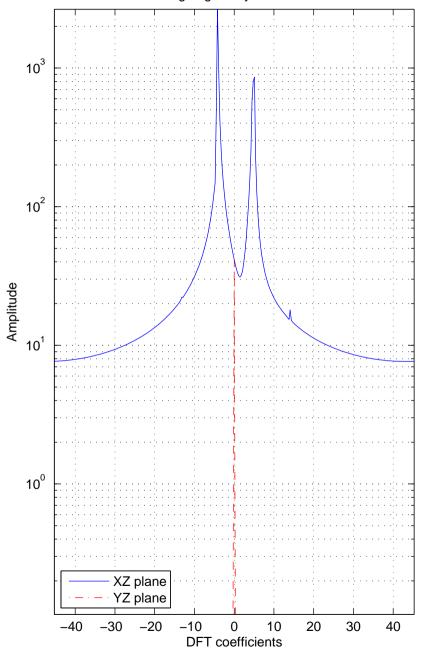
Plane Mode: 0, Steering angle on x direction: 64°, Steering angle on y direction: 0°.



NF, Altitude = 0.275λ , 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: 65°, Steering angle on y direction: 0°.



Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 66°, 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 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 Space [m] DFT coefficients

Plane Mode: 0,

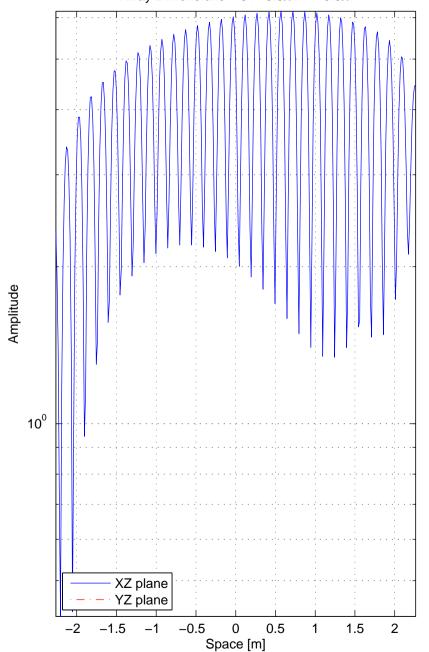
Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 67°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁰ 10 XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.51.5 -30 -20 -10 10 20 30 -1 0 2 40 Space [m] DFT coefficients

Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 68°, 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 10^{-1} 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

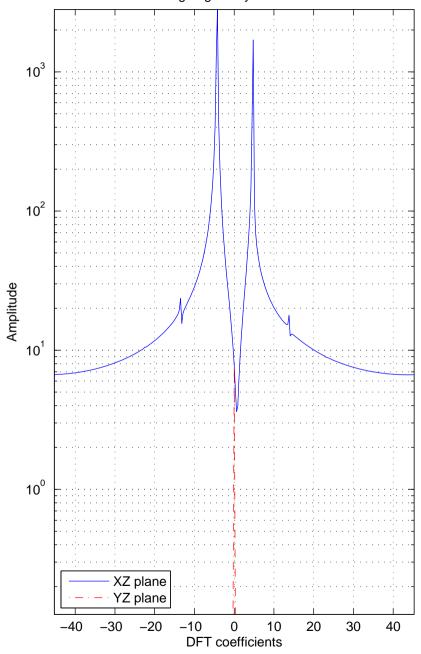
NF, Altitude = 0.275λ , Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 69°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 0 2 0 Space [m] DFT coefficients

40

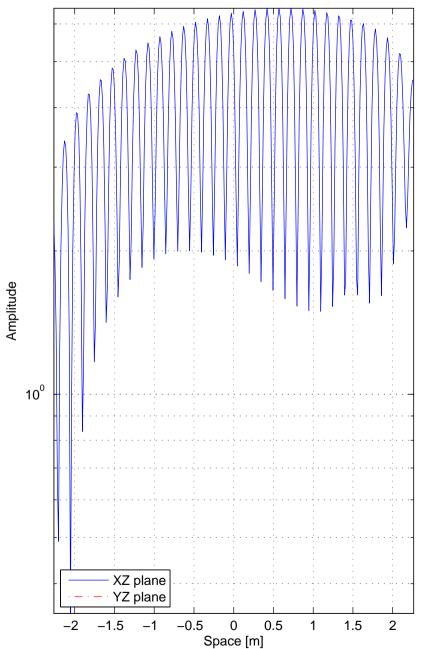
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



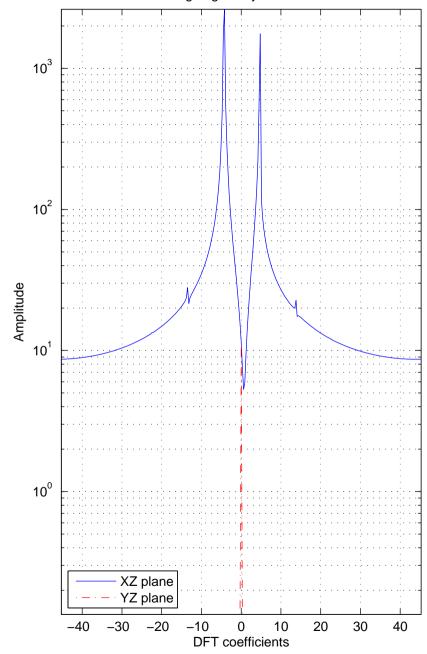
Plane Mode: 0, Steering angle on x direction: 70°, Steering angle on y direction: 0°.



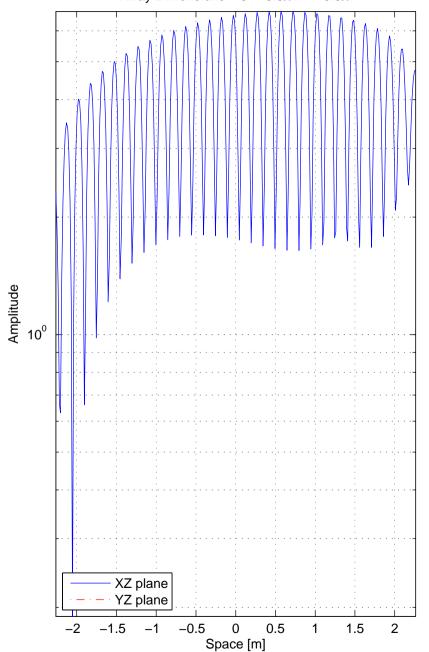
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



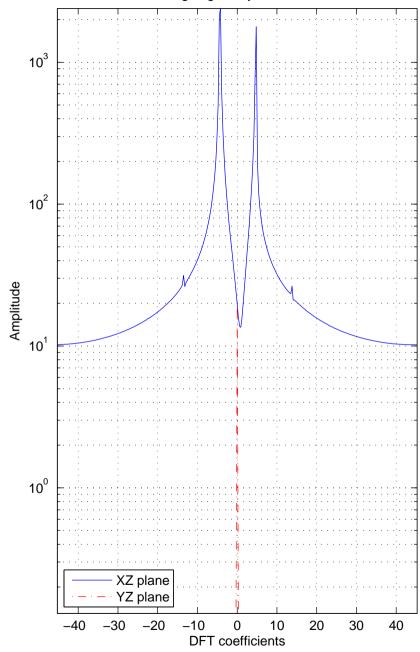
Plane Mode: 0, Steering angle on x direction: 71°, Steering angle on y direction: 0°.



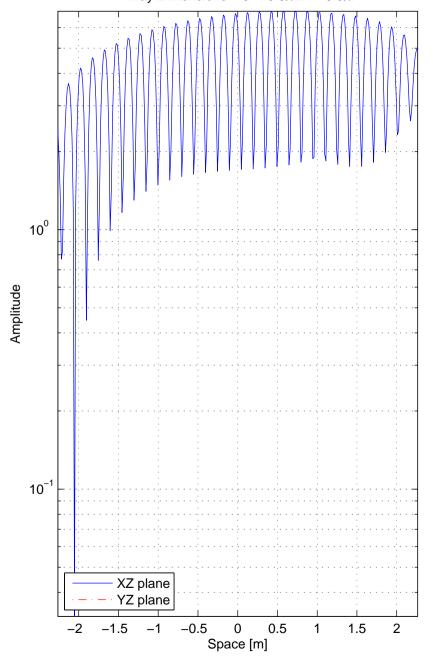
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



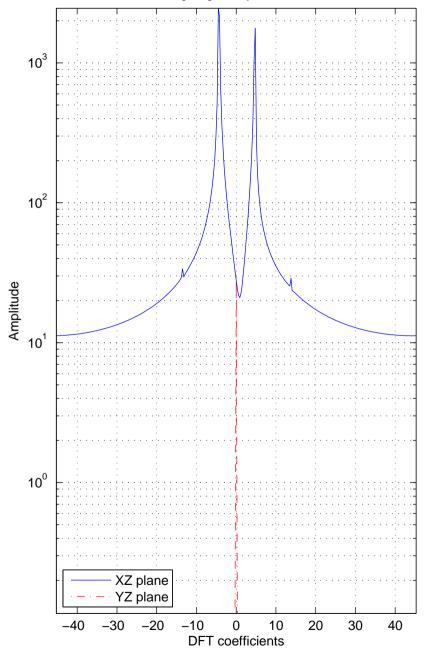
Plane Mode: 0, Steering angle on x direction: 72°, Steering angle on y direction: 0°.



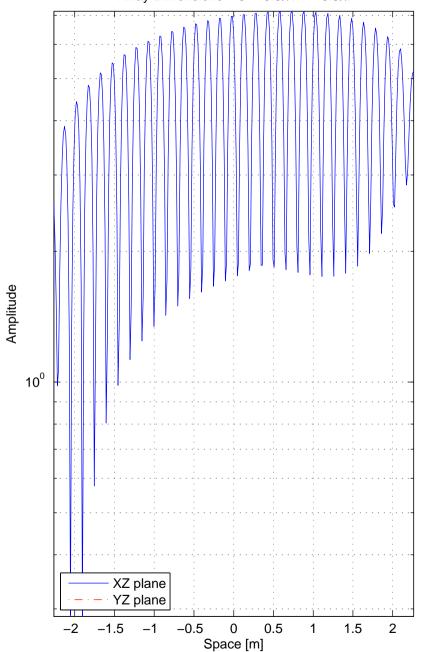
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



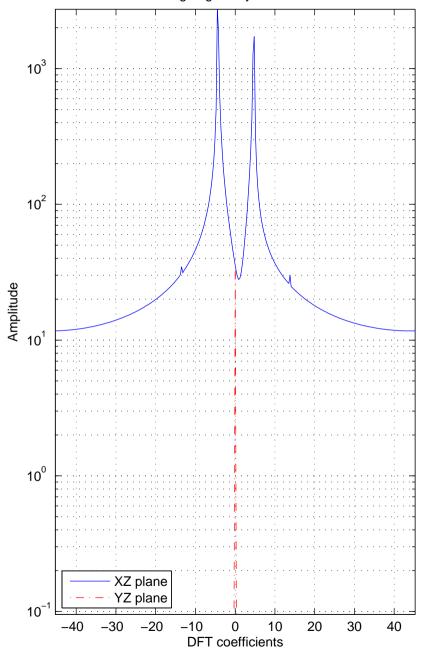
Plane Mode: 0, Steering angle on x direction: 73°, Steering angle on y direction: 0°.



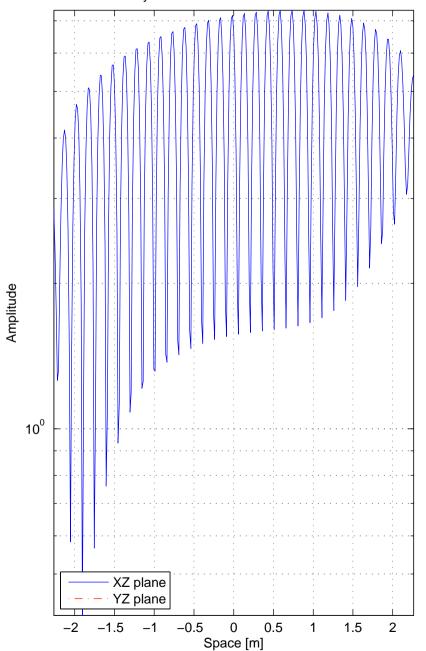
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



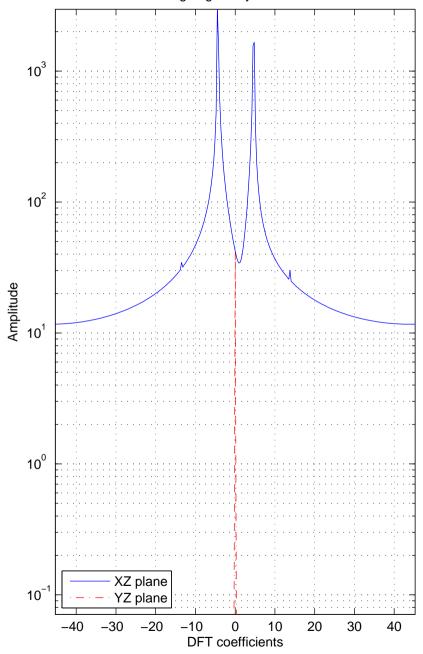
Plane Mode: 0, Steering angle on x direction: 74°, Steering angle on y direction: 0°.



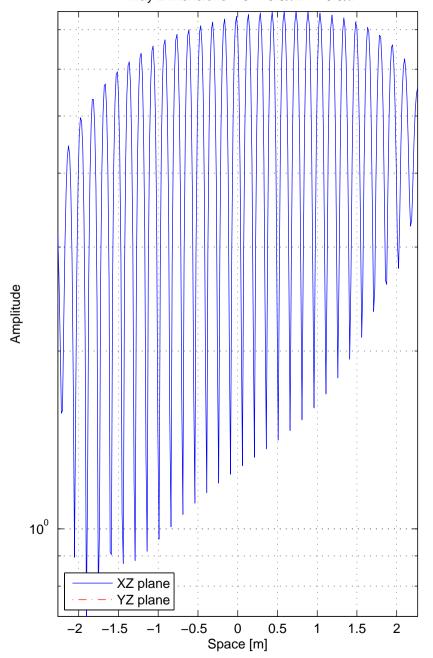
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



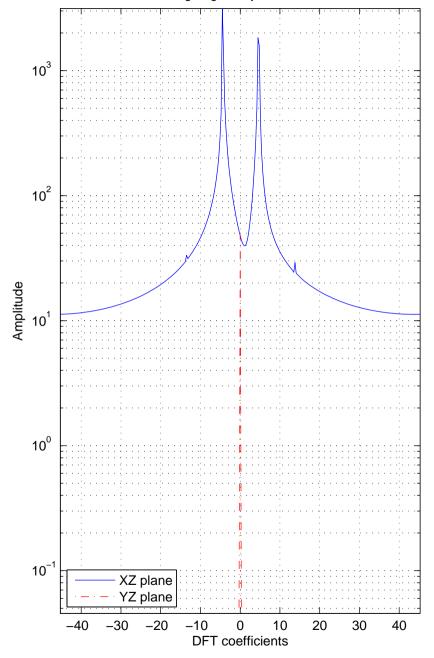
Plane Mode: 0, Steering angle on x direction: 75°, Steering angle on y direction: 0°.



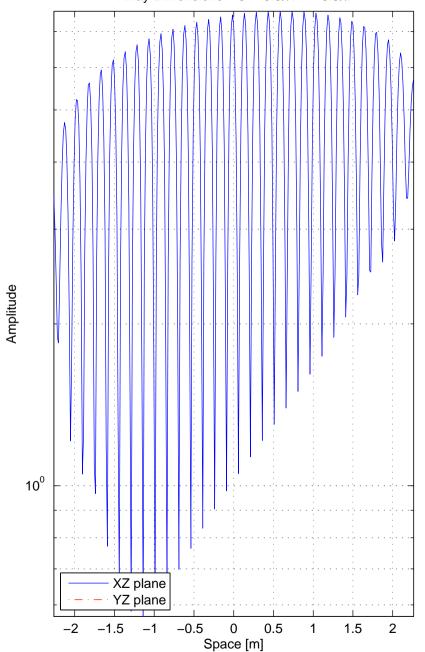
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



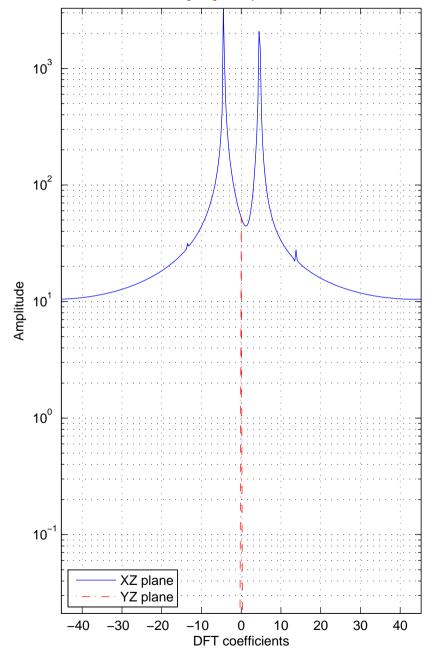
Plane Mode: 0, Steering angle on x direction: 76°, Steering angle on y direction: 0°.



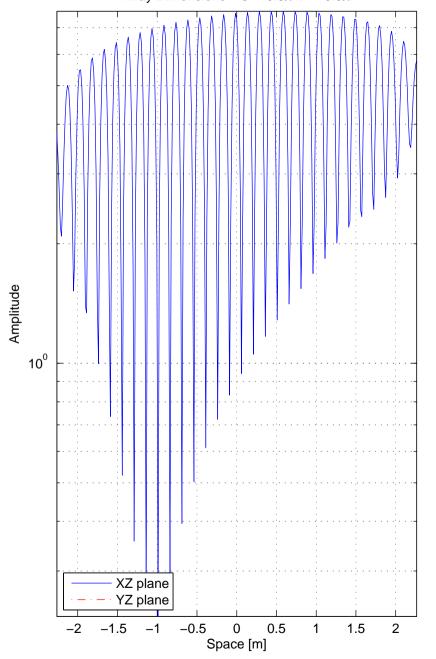
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



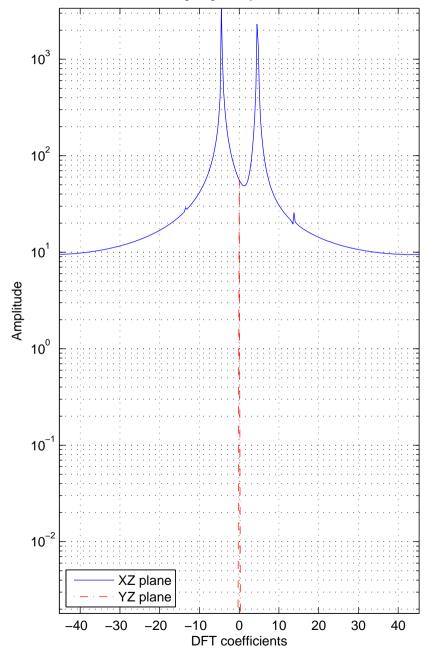
Plane Mode: 0, Steering angle on x direction: 77°, Steering angle on y direction: 0°.



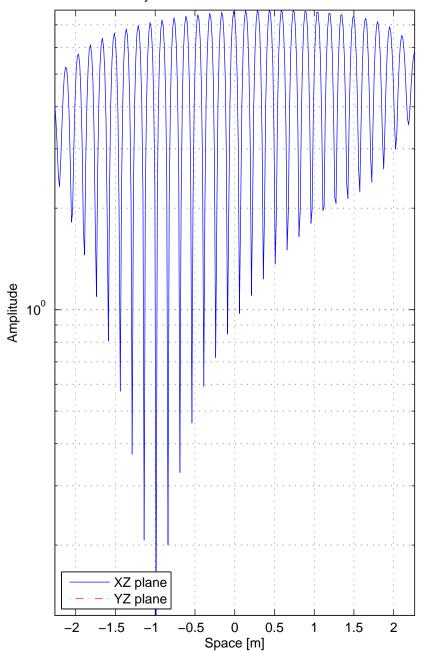
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



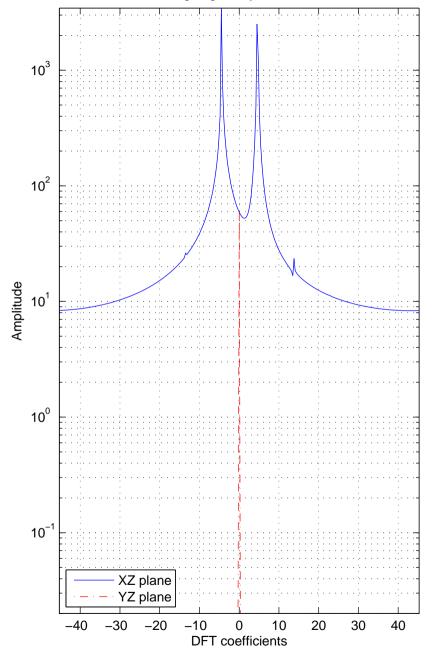
Plane Mode: 0, Steering angle on x direction: 78°, Steering angle on y direction: 0°.



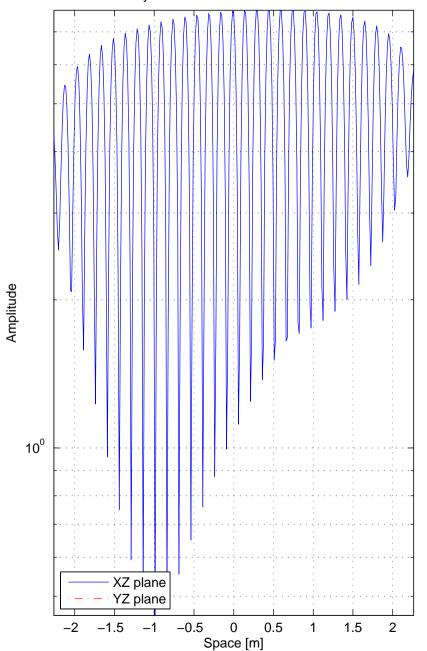
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



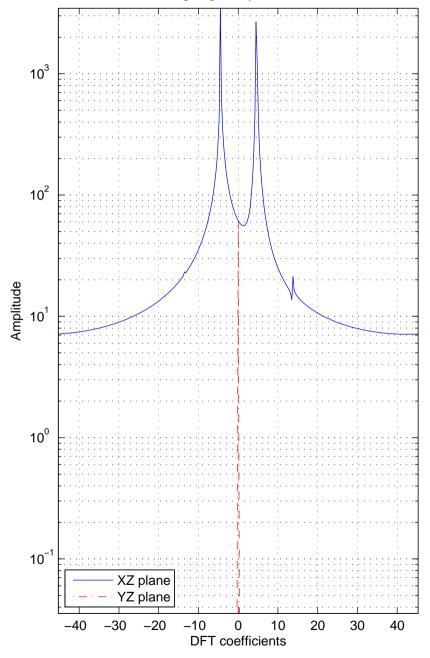
Plane Mode: 0, Steering angle on x direction: 79°, Steering angle on y direction: 0°.



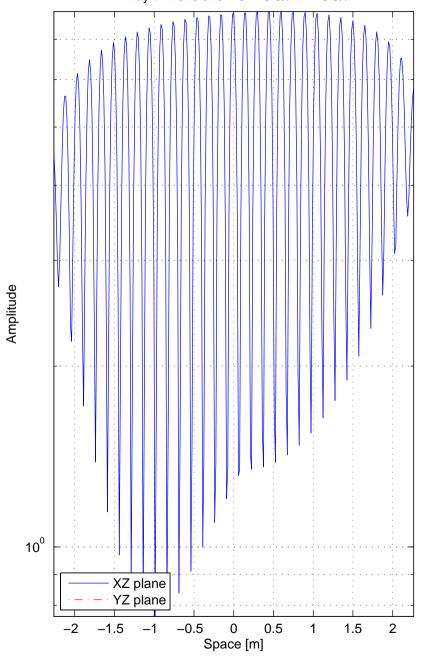
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



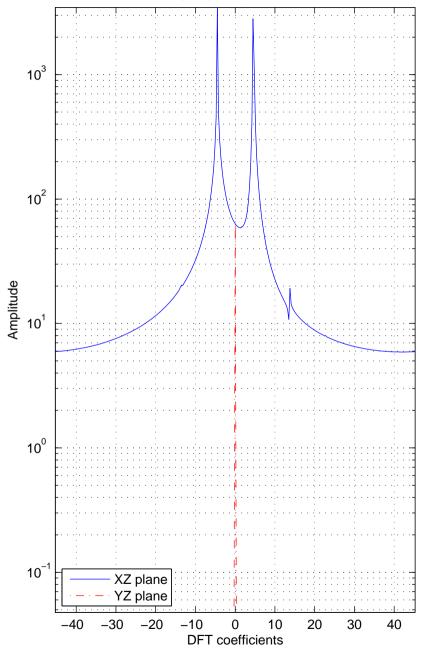
Plane Mode: 0, Steering angle on x direction: 80°, Steering angle on y direction: 0°.



NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.

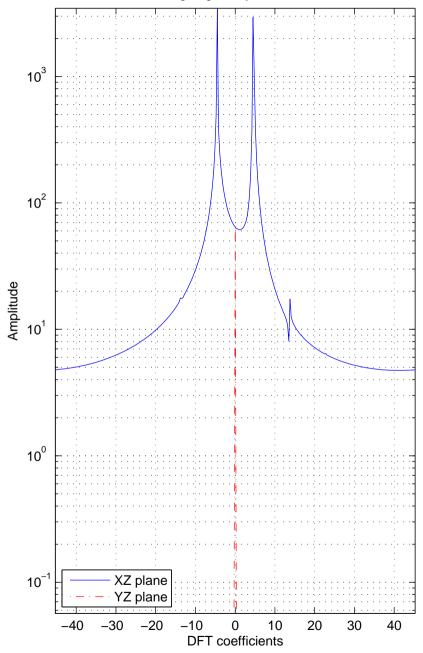


Plane Mode: 0, Steering angle on x direction: 81°, Steering angle on y direction: 0°.

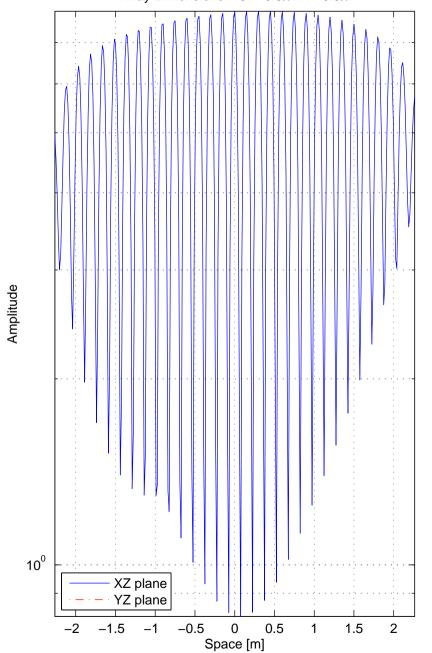


NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} 10^{0.7} 10^{0.6} Ho^{0.5} 10^{0.5} 10^{0.4} 10^{0.3} 10^{0.2} 10^{0.1} XZ plane YZ plane 5 0 (Space [m] 0.5 -2 -1.5 -0.5 1.5 -1 2

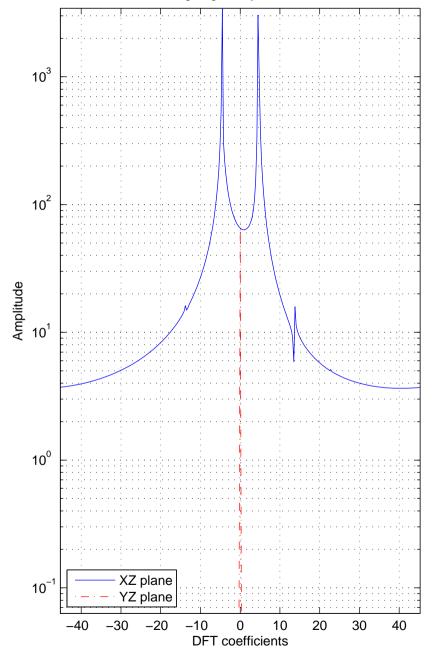
Plane Mode: 0, Steering angle on x direction: 82°, Steering angle on y direction: 0°.



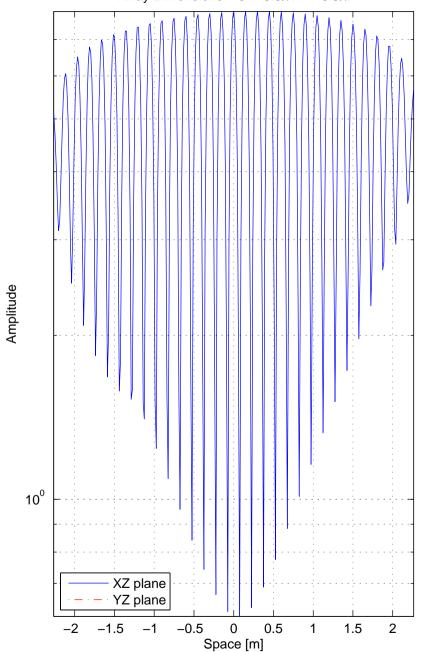
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



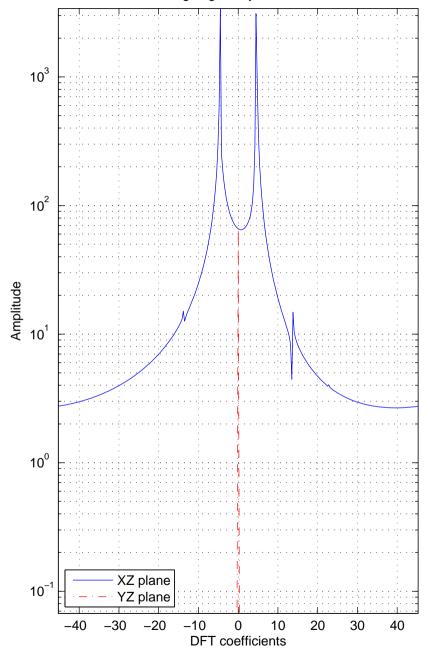
Plane Mode: 0, Steering angle on x direction: 83°, Steering angle on y direction: 0°.



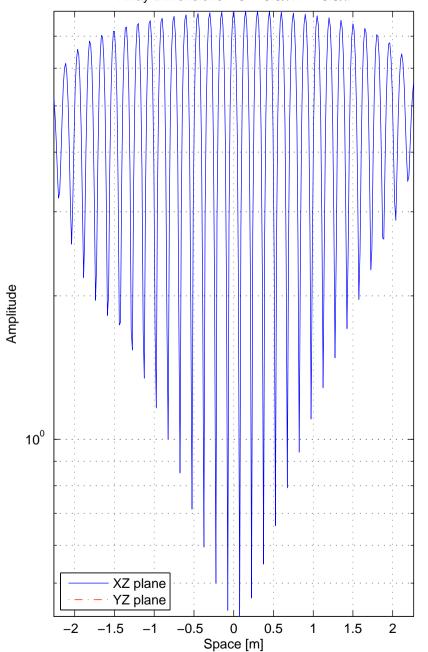
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



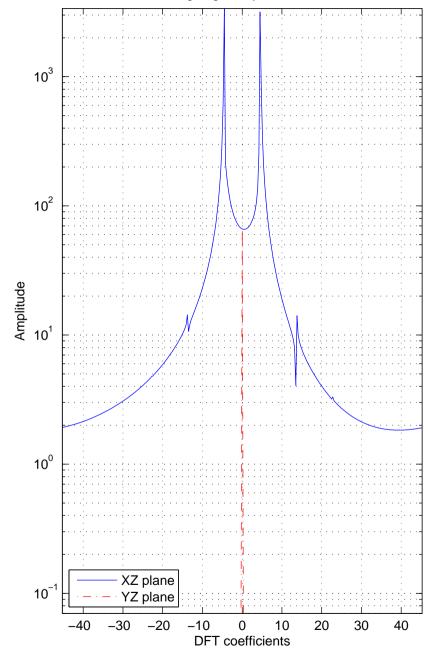
Plane Mode: 0, Steering angle on x direction: 84°, Steering angle on y direction: 0°.



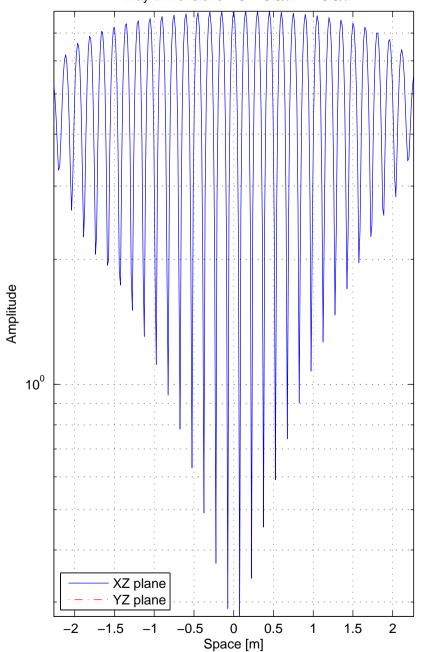
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



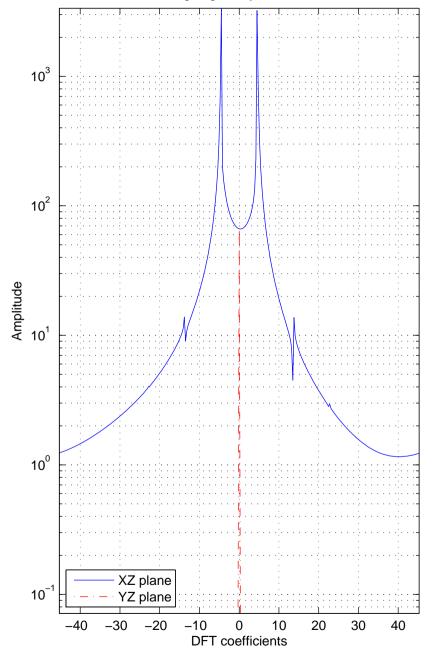
Plane Mode: 0, Steering angle on x direction: 85°, Steering angle on y direction: 0°.



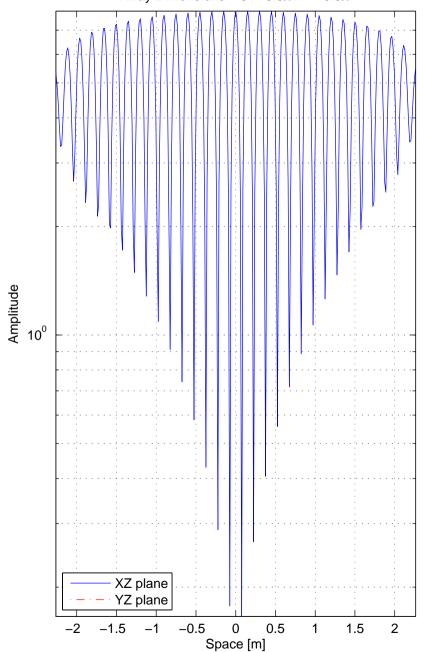
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



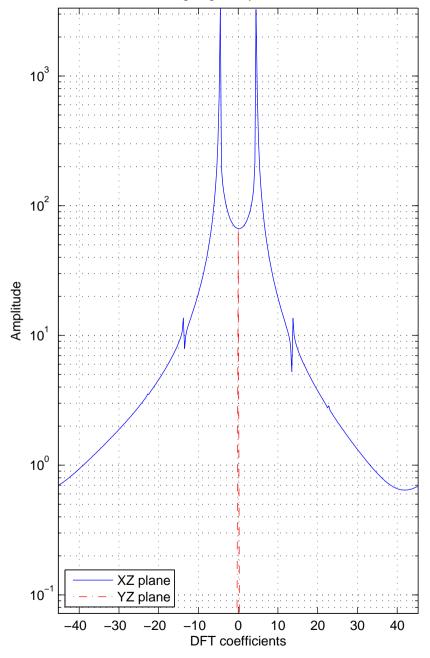
Plane Mode: 0, Steering angle on x direction: 86°, Steering angle on y direction: 0°.



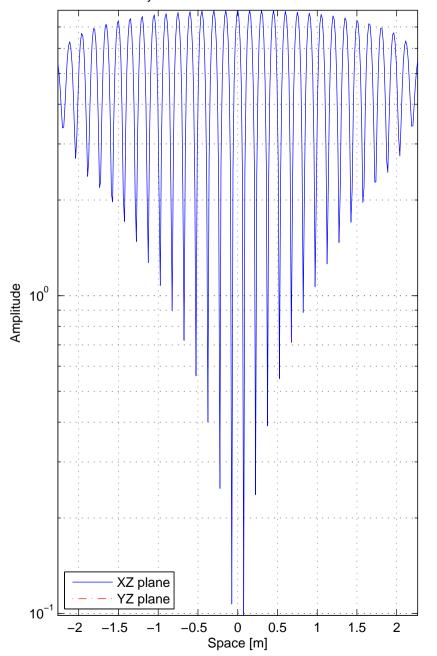
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



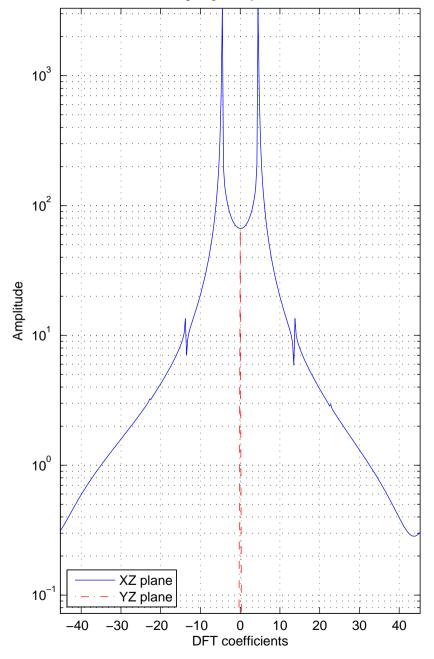
Plane Mode: 0, Steering angle on x direction: 87°, Steering angle on y direction: 0°.



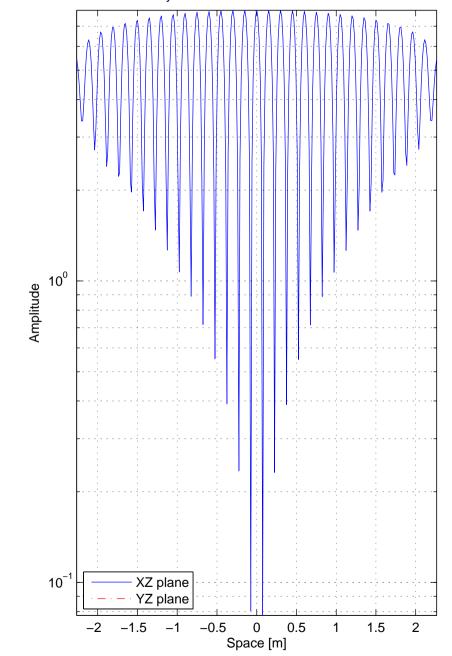
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



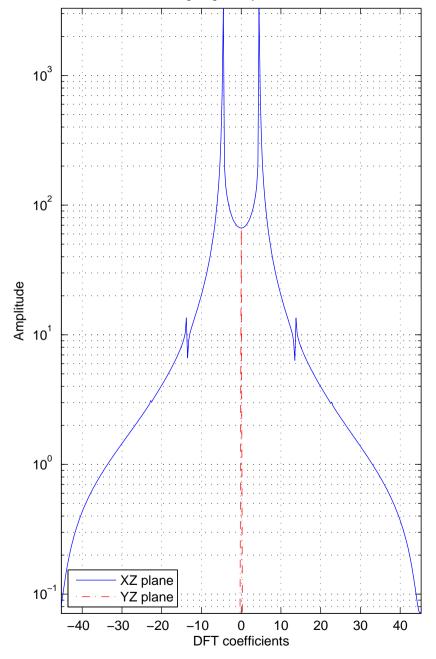
Plane Mode: 0, Steering angle on x direction: 88°, Steering angle on y direction: 0°.



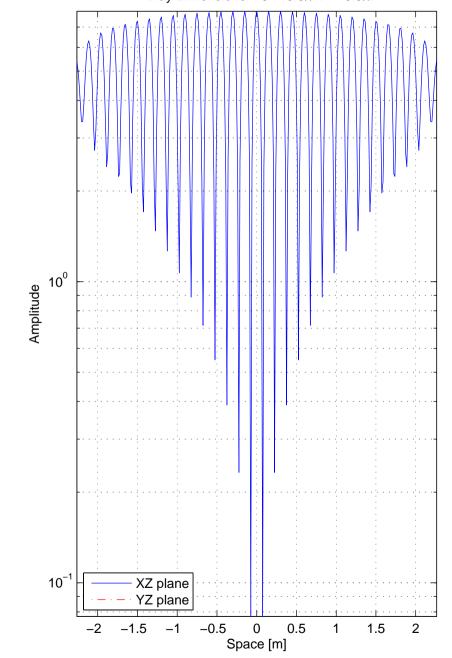
NF, Altitude = 0.275λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



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



NF, Altitude = 0.275λ , 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°.

