

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 10^{0.8} 10² Hamplitude Amplitude Amplitude 10¹ 10^{0.6} 10⁰ XZ plane XZ plane YZ plane YZ plane -2 -1.5 0.5 -1 -0.51.5 2 -40 -30 -20 -10 10 20 30 40 0 0 Space [m] DFT coefficients

Plane Mode: 0,

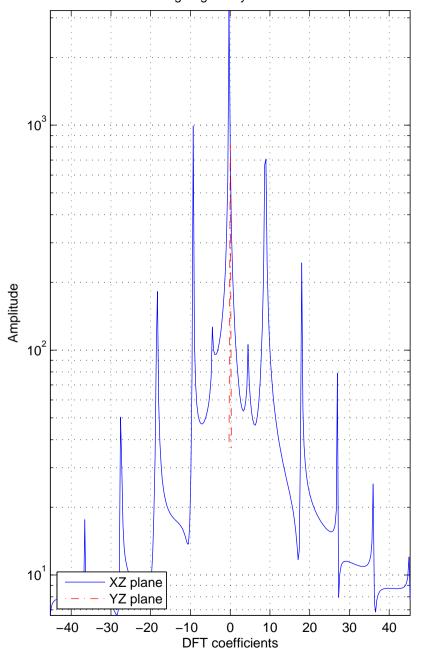
Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 1°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} 10³ Amplitude 10^{0.7} Amplitude 10 XZ plane XZ plane 10 YZ plane YZ plane -2 -1.5 0.5 20 -1 -0.51.5 2 -30 -20 -10 10 30 40 0 -40 0 Space [m] DFT coefficients

Plane Mode: 0,

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^{0.8} Amplitude 10^{0.7} Amplitude 10 10^{0.6} XZ plane XZ plane YZ plane YZ plane 10¹ -2 -1.5 0.5 20 -1 -0.51.5 2 -30 -20 -10 10 30 40 0 -40 0 Space [m] DFT coefficients

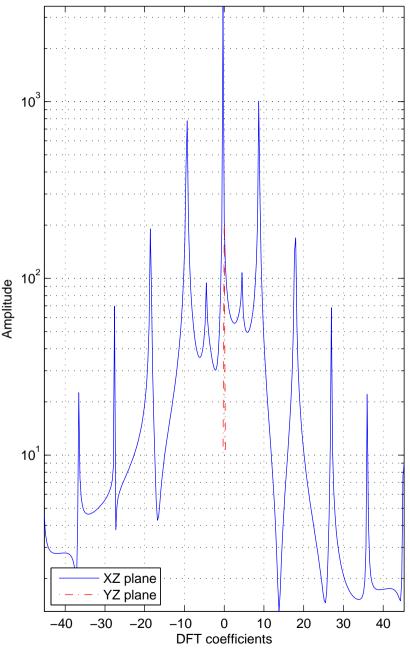
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} Amplitude 10^{0.7} 10^{0.6} XZ plane YZ plane -2 -1.5 0.5 -1 -0.51.5 2 0 Space [m]

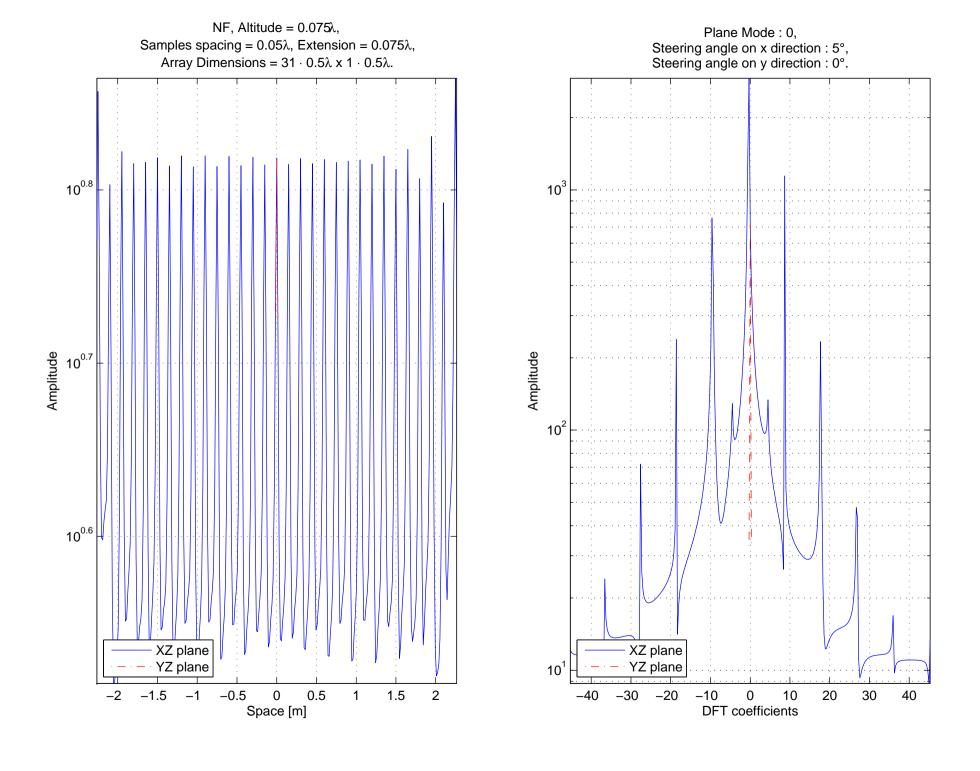
Plane Mode: 0, Steering angle on x direction: 3°, Steering angle on y direction: 0°.

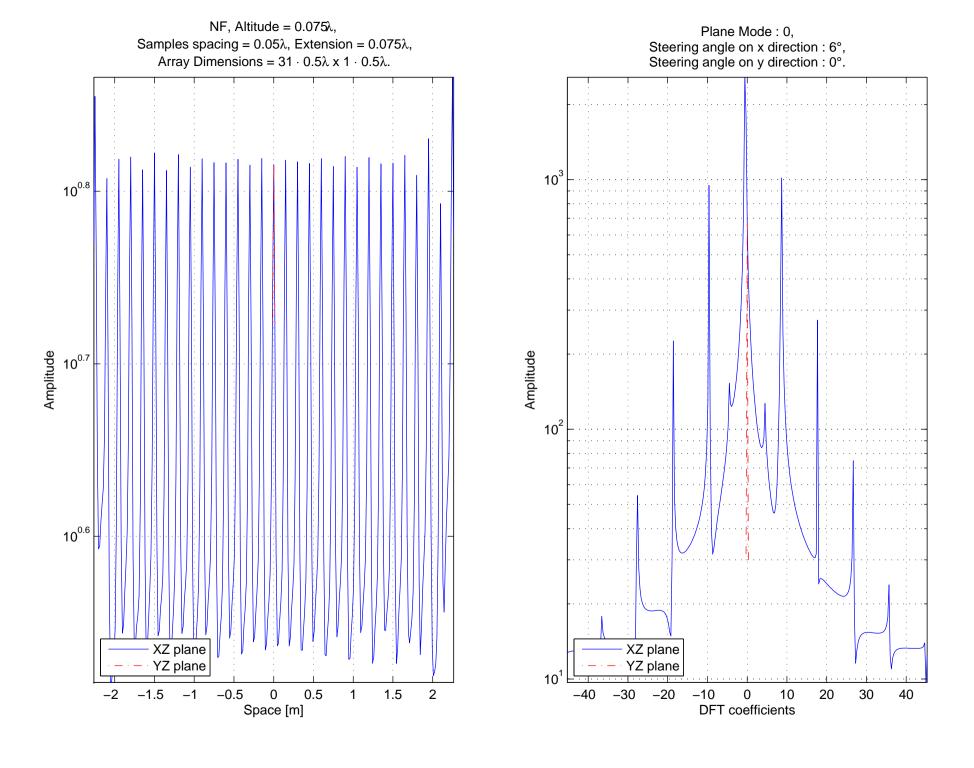


Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10 10^{0.8} Amplitude 10² Amplitude 10^{0.7} 10¹ 10^{0.6} XZ plane YZ plane -2 -1.5 0.5 -1 -0.5 1.5 2 -40 0 Space [m]

Plane Mode: 0, Steering angle on x direction: 4°, Steering angle on y direction: 0°.

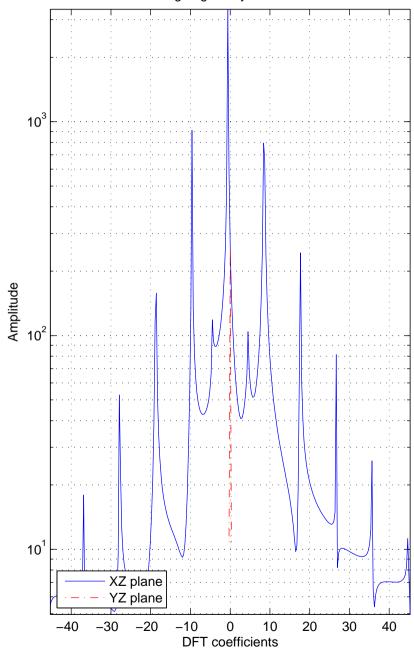






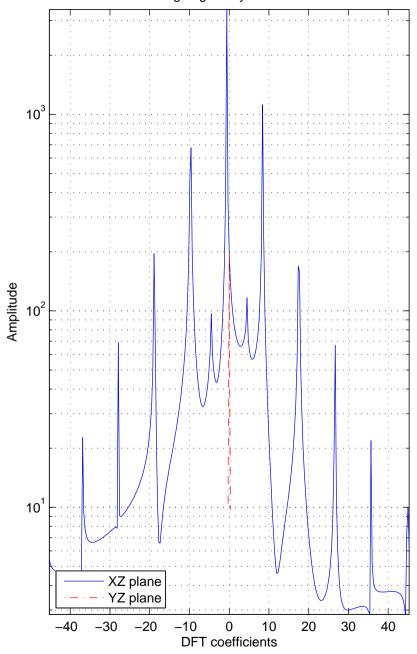
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} Amplitude 10^{0.7} 10^{0.6} XZ plane YZ plane 5 0 (Space [m] -2 -1.5 0.5 -1 -0.5 1.5 2

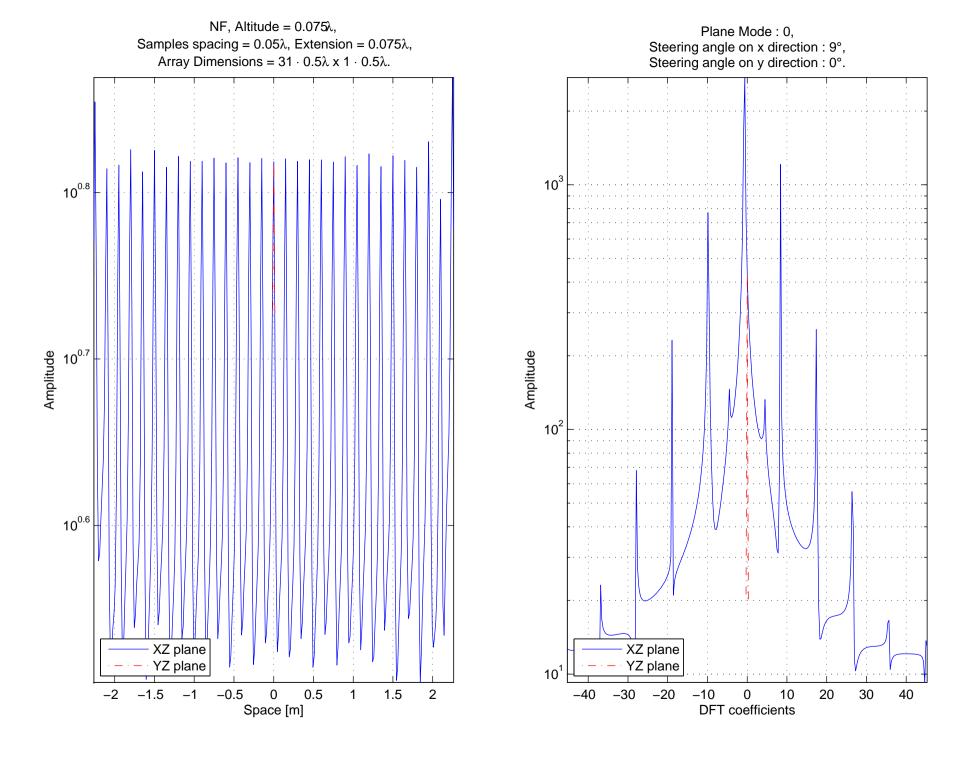
Plane Mode: 0, Steering angle on x direction: 7°, Steering angle on y direction: 0°.



Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Amplitude 10^{0.7} 10^{0.6} XZ plane YZ plane 5 0 (Space [m] -2 -1.5 0.5 1.5 -1 -0.5 2

Plane Mode: 0, Steering angle on x direction: 8°, Steering angle on y direction: 0°.

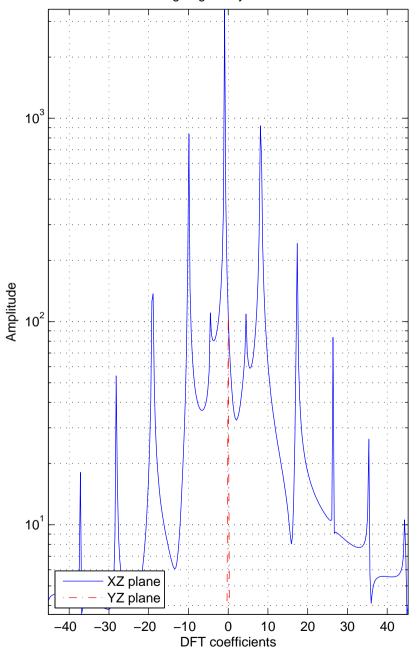




Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 10°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ Amplitude 10^{0.7} Amplitude 10² 10^{0.6} XZ plane XZ plane YZ plane YZ plane 10 -2 -1.5 0.5 1.5 -1 -0.5 -40 -30 -20 -10 10 20 30 40 0 2 0 Space [m] DFT coefficients

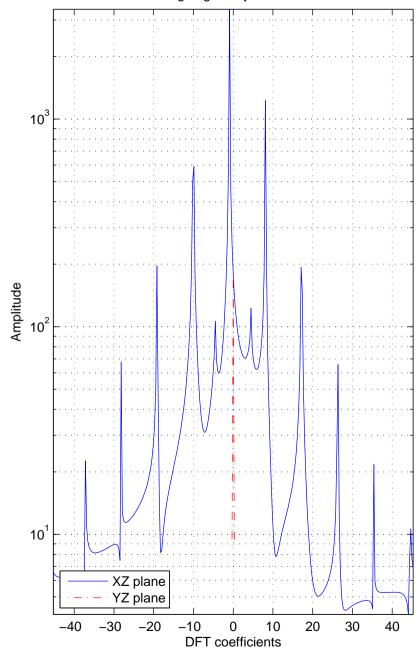
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} 9 10^{0.7} Hublitude 10^{0.6} XZ plane 10^{0.5} YZ plane -1.5 0.5 1.5 -2 -1 -0.5 0 2 Space [m]

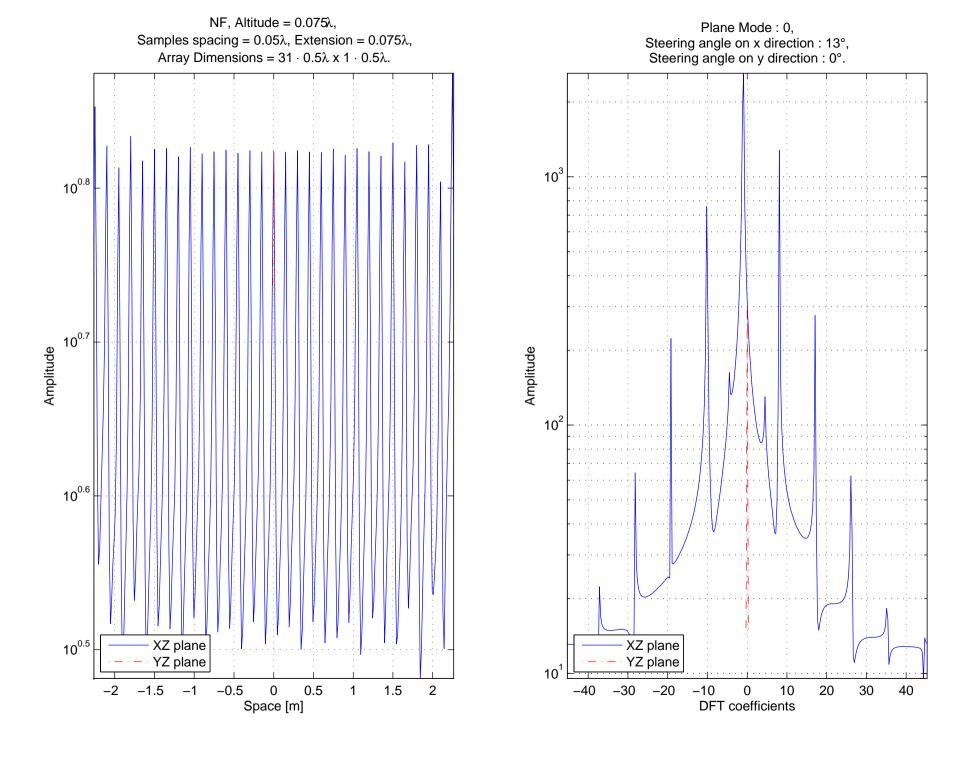
Plane Mode: 0, Steering angle on x direction: 11°, Steering angle on y direction: 0°.



Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} Amplitude 10^{0.7} 10^{0.6} XZ plane 10^{0.5} YZ plane -1.5 -0.5 0.5 1.5 -2 -1 0 2 Space [m]

Plane Mode: 0, Steering angle on x direction: 12°, Steering angle on y direction: 0°.



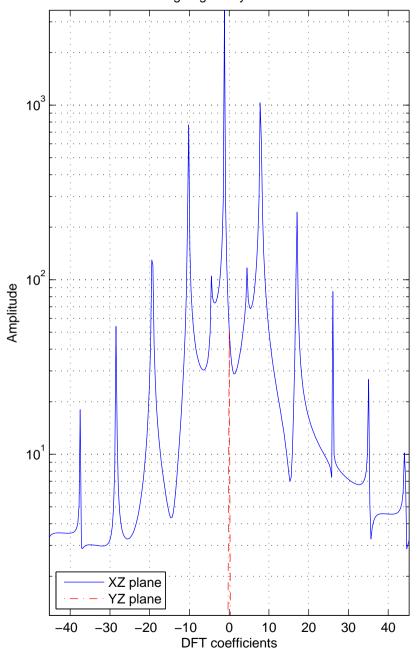


Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 14°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} 10³ Amplitude 10^{0.7} Amplitude 10² 10^{0.6} XZ plane 10^{0.5} XZ plane YZ plane YZ plane -2 -1.5 0.5 -1 -0.5 1.5 -40 -30 -20 -10 10 20 30 40 0 2 0 Space [m] DFT coefficients

Plane Mode: 0,

Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} Amplitude 10^{0.7} 10^{0.6} 10^{0.5} XZ plane YZ plane -1.5 0.5 -2 -1 -0.5 1.5 2 0 Space [m]

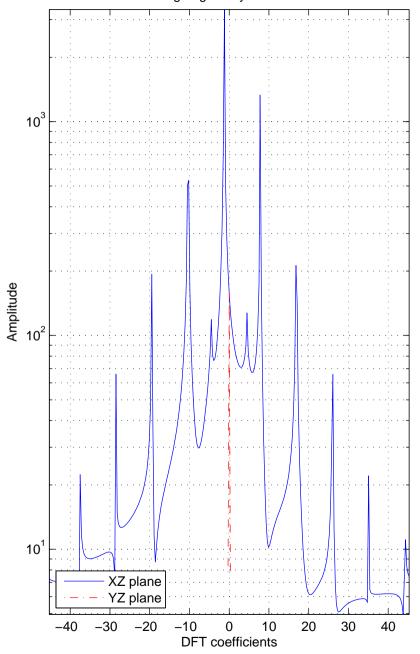
Plane Mode: 0, Steering angle on x direction: 15°, Steering angle on y direction: 0°.



Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5 |} XZ plane YZ plane -2 -1.5 0.5 -1 -0.5 1.5 2 0

Space [m]

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

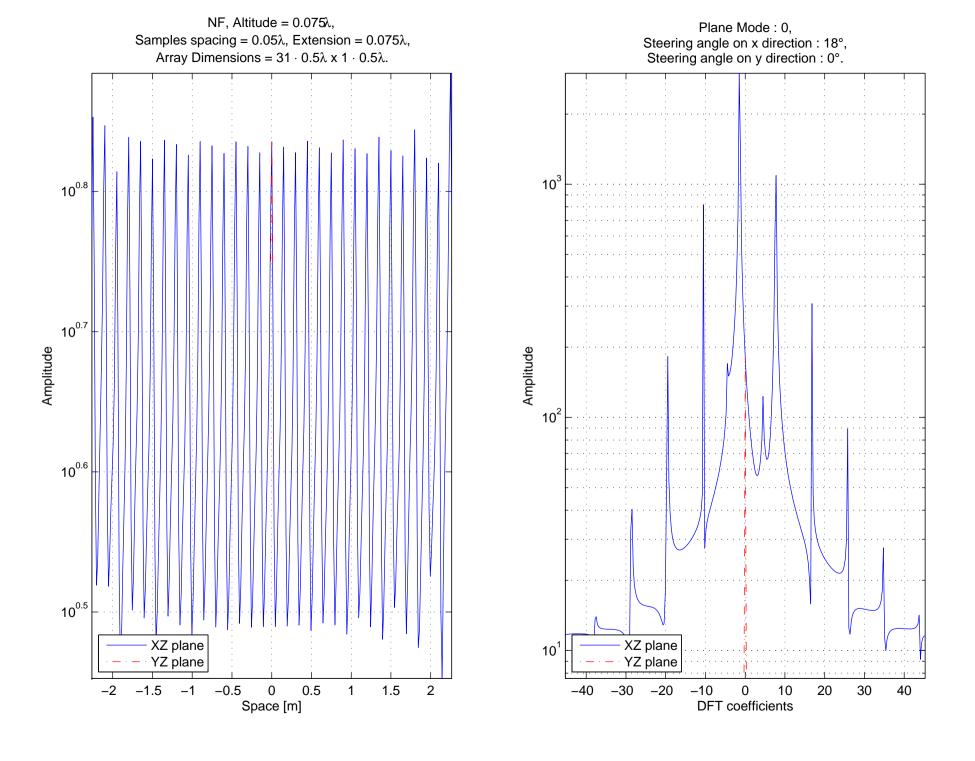


Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 17°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.8} 10^{0.7} Amplitude Amplitude 10 10^{0.6} 10^{0.5} XZ plane XZ plane YZ plane YZ plane 10¹ -2 -1.5 0.5 -1 -0.5 1.5 2 -30 -20 -10 10 20 0 -40 0 Space [m] DFT coefficients

Plane Mode: 0,

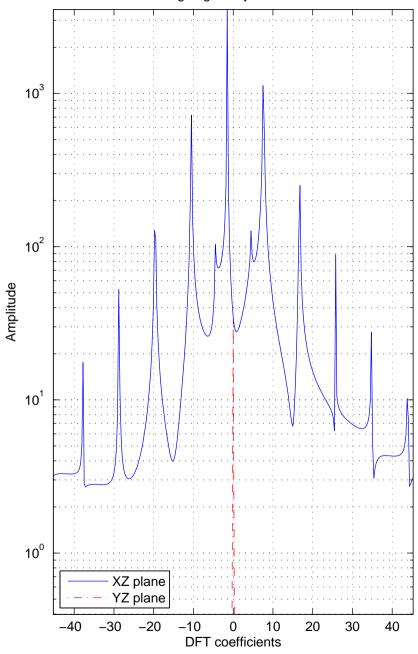
30

40



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} Amplitude 10^{0.6} 10^{0.5} XZ plane YZ plane -2 -1.5 0.5 -1 -0.51.5 2 0 Space [m]

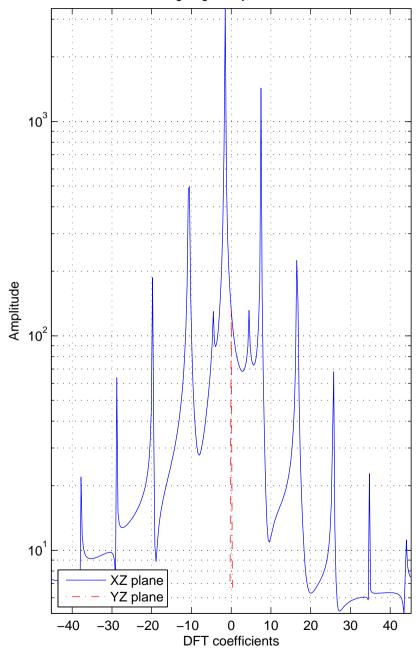
Plane Mode: 0, Steering angle on x direction: 19°, Steering angle on y direction: 0°.



NF, Altitude = 0.075λ , 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} Amplitude 10^{0.6} 10^{0.5} XZ plane YZ plane -2 -1.5 0.5 -1 -0.51.5 2 0

Space [m]

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

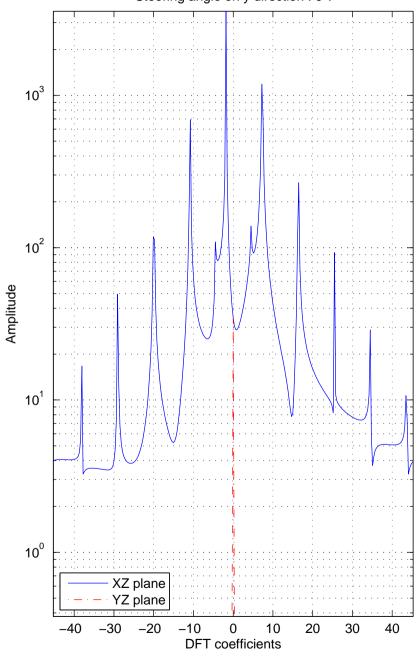


Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 21°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.8} 10^{0.7} Amplitude Amplitude 10 10^{0.6} 10^{0.5} XZ plane XZ plane YZ plane YZ plane 10 -2 -1.5 0.5 20 -1 -0.51.5 -40 -30 -20 -10 10 30 40 0 2 0 Space [m] DFT coefficients

Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 22°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} 10³ 10^{0.7} Amplitude Amplitude 10° 10^{0.6} 10^{0.5} 10¹ XZ plane XZ plane YZ plane YZ plane -2 -1.5 0.5 -1 -0.51.5 2 -40 -30 -20 -10 10 20 30 40 0 Space [m] DFT coefficients

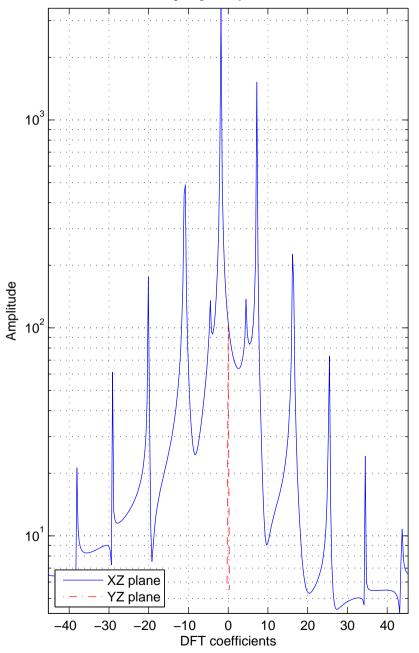
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5} XZ plane YZ plane 10^{0.4} -1.5 0.5 -2 -1 -0.5 1.5 0 2 Space [m]

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



Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5} XZ plane 10^{0.4} [YZ plane -1.5 0.5 -1 -0.5 1.5 0 2 Space [m]

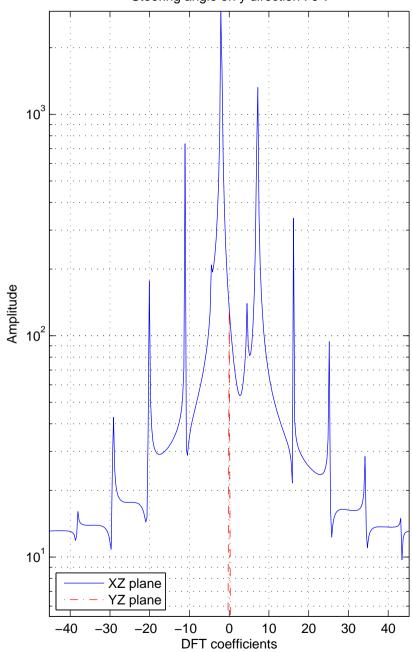
Plane Mode: 0, Steering angle on x direction: 24°, Steering angle on y direction: 0°.

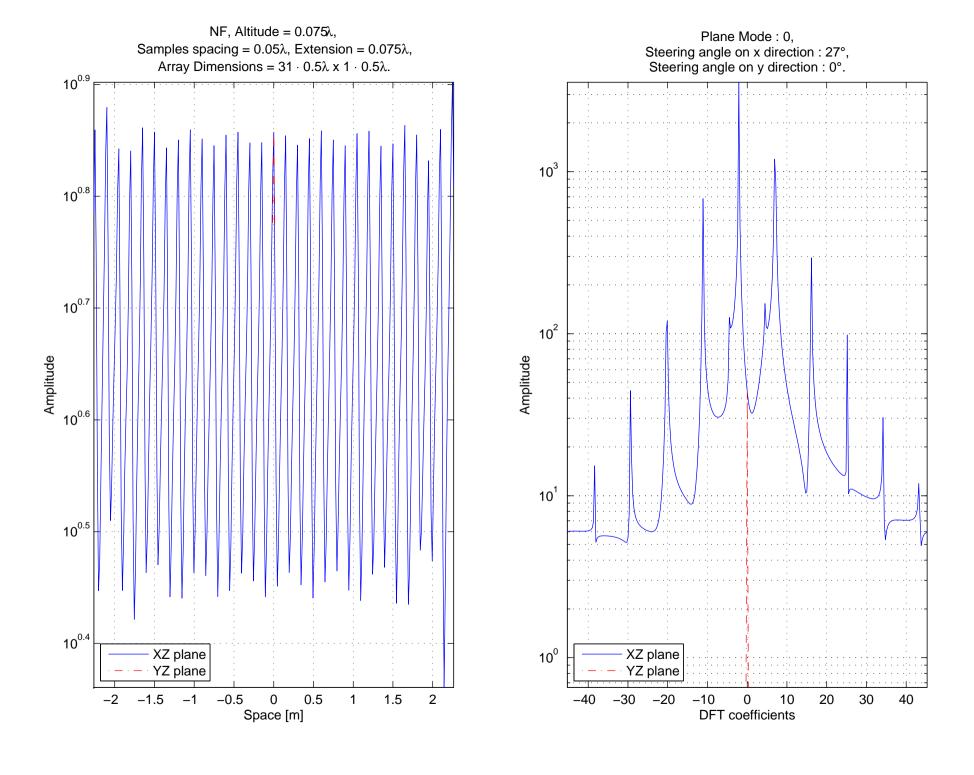


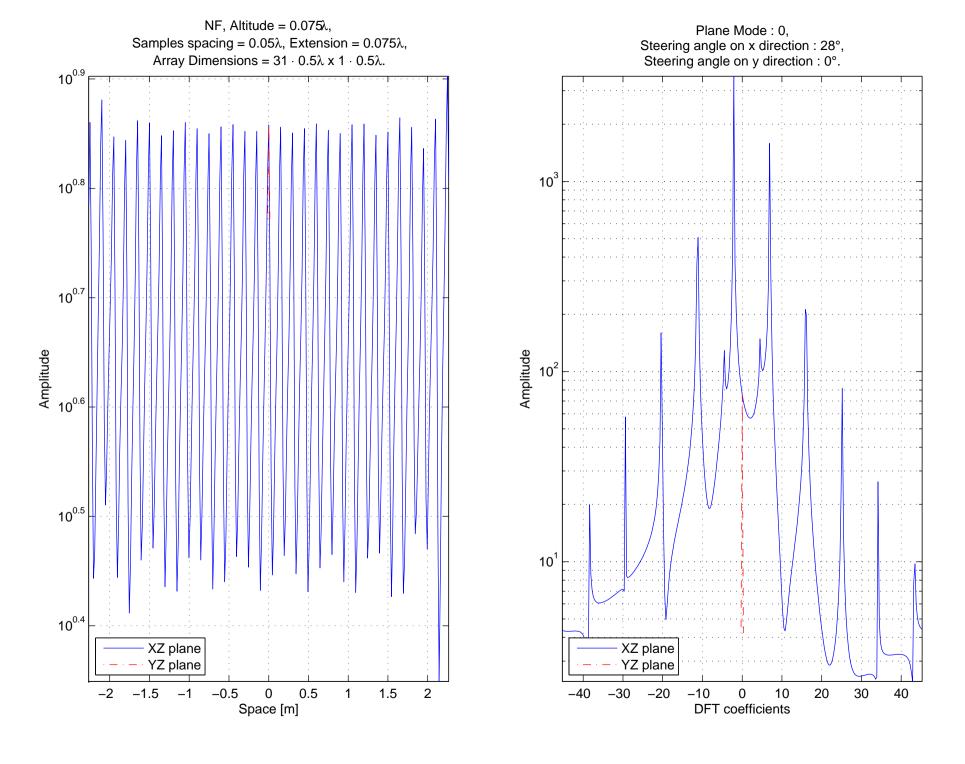
Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 25°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10³ 10^{0.8} 10^{0.7} Amplitude Amplitude 10^{0.6} 10^{0.5} XZ plane XZ plane 10¹ 10^{0.4} | YZ plane YZ plane -1.5 0.5 -2 -0.5 1.5 -40 -30 -20 -10 10 20 30 40 -1 0 2 0 Space [m] DFT coefficients

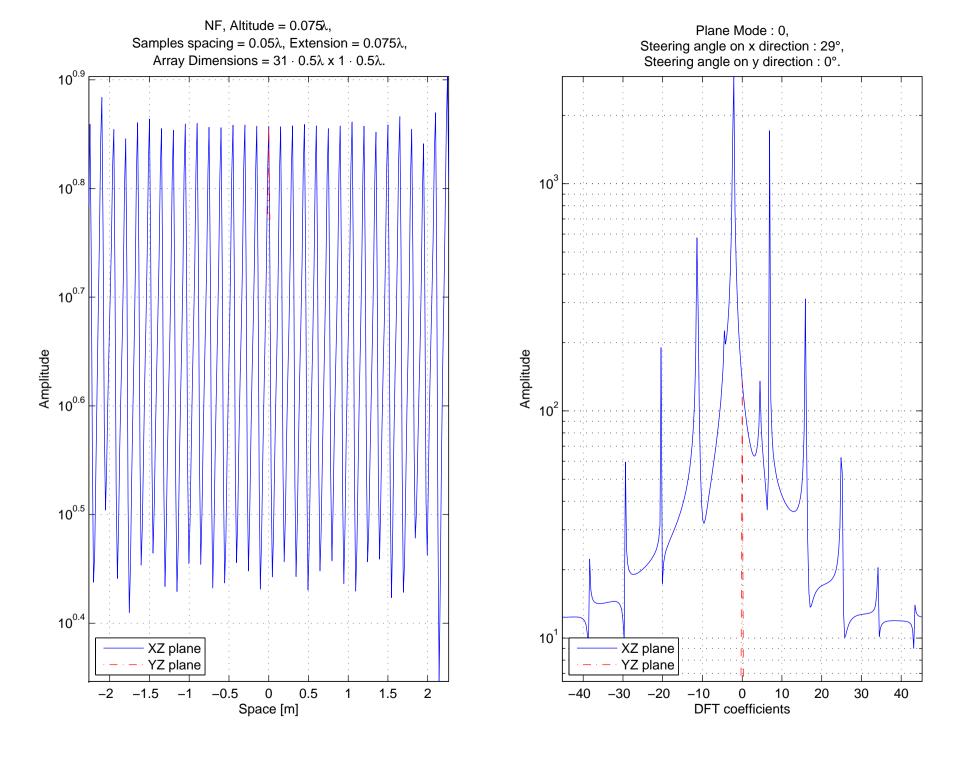
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5} XZ plane 10^{0.4} YZ plane -1.5 0.5 -2 -0.5 1.5 2 -1 0 Space [m]

Plane Mode: 0, Steering angle on x direction: 26°, Steering angle on y direction: 0°.









NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} F 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5}

10^{0.4}

XZ plane

YZ plane

-1

-0.5

0.5

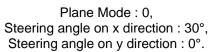
0

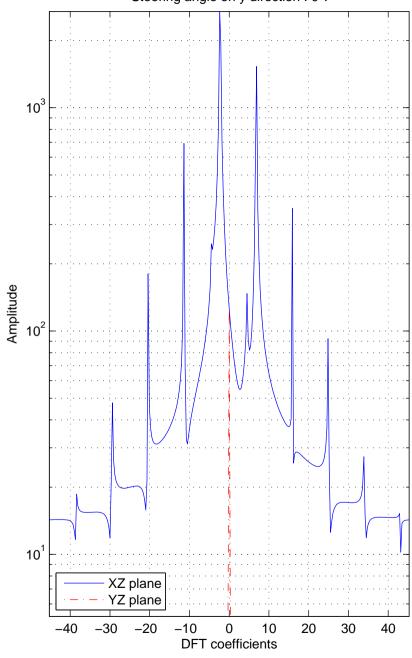
Space [m]

1.5

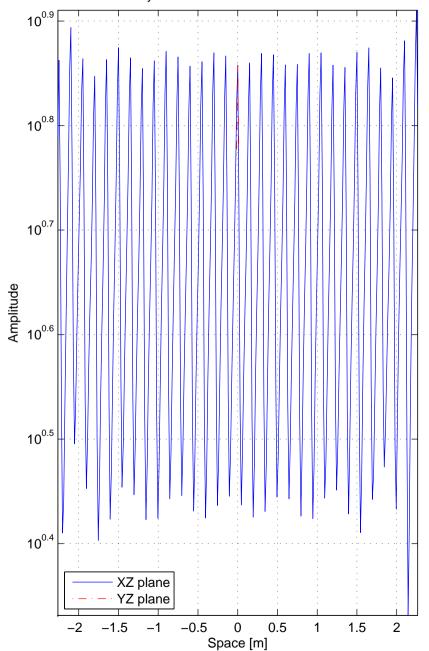
2

-2 -1.5

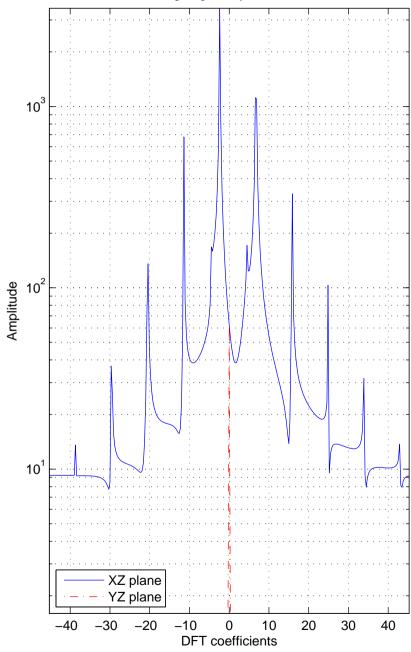




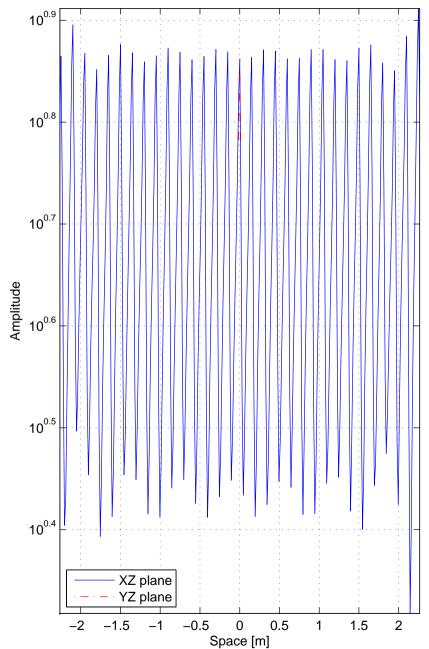
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



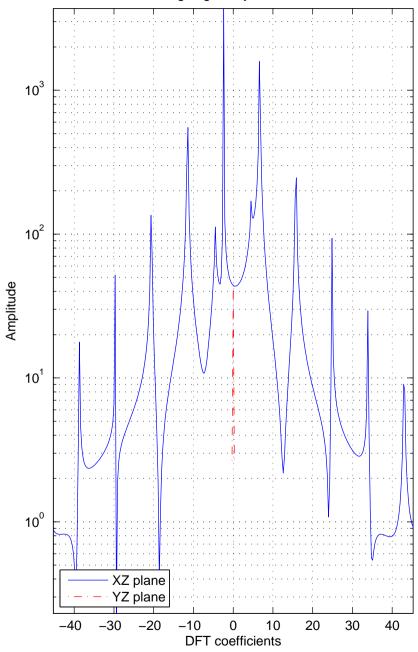
Plane Mode: 0, Steering angle on x direction: 31°, Steering angle on y direction: 0°.



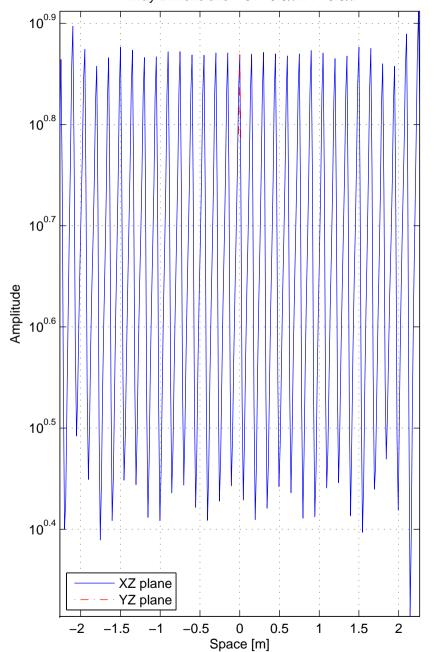
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



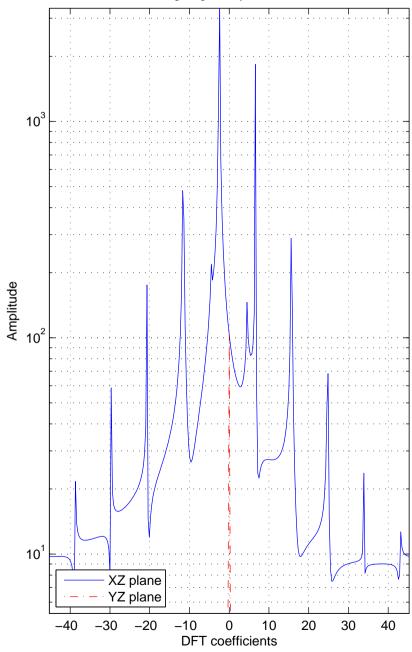
Plane Mode: 0, Steering angle on x direction: 32°, Steering angle on y direction: 0°.



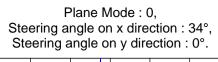
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.

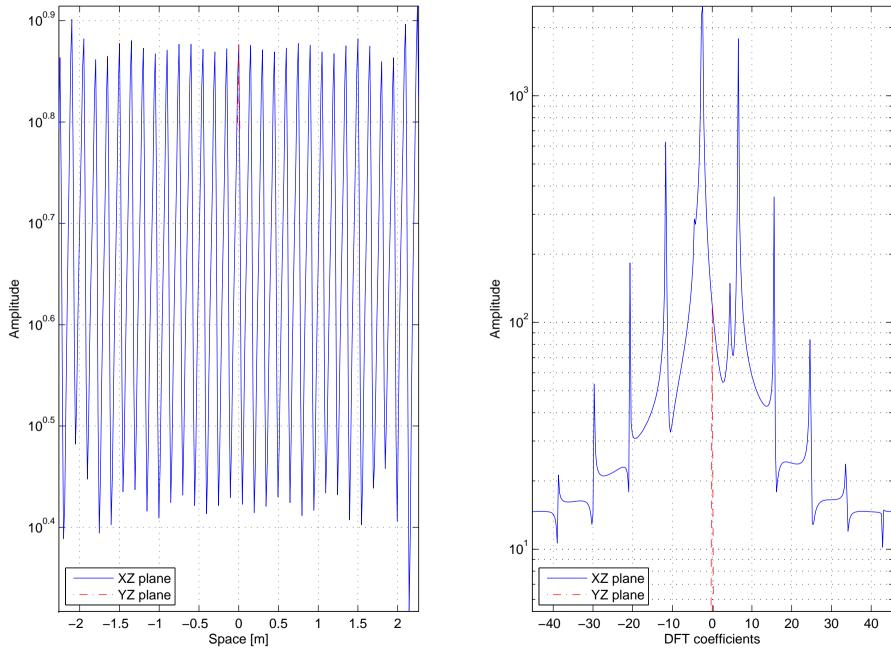


Plane Mode: 0, Steering angle on x direction: 33°, Steering angle on y direction: 0°.

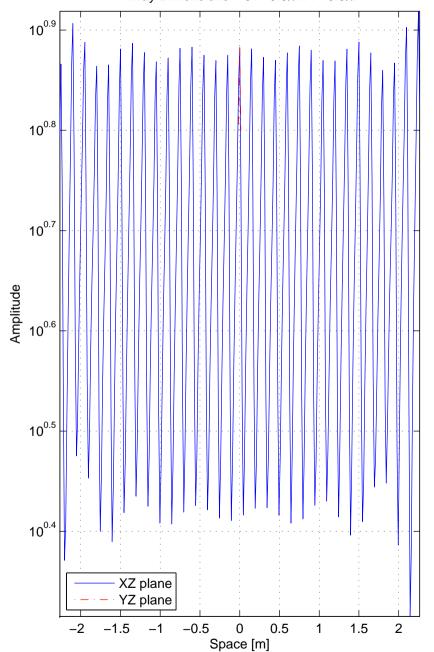


NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9}

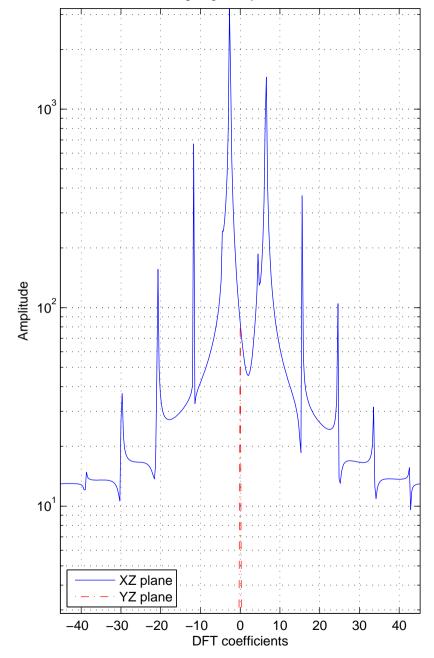




NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



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



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5} 10^{0.4} [. XZ plane YZ plane

0.5

0

Space [m]

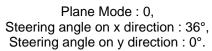
1.5

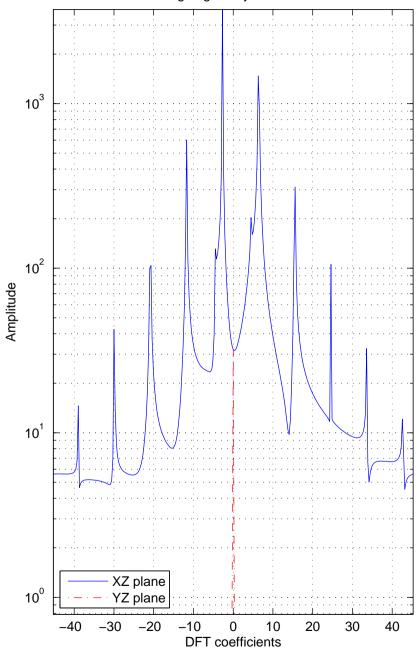
2

-0.5

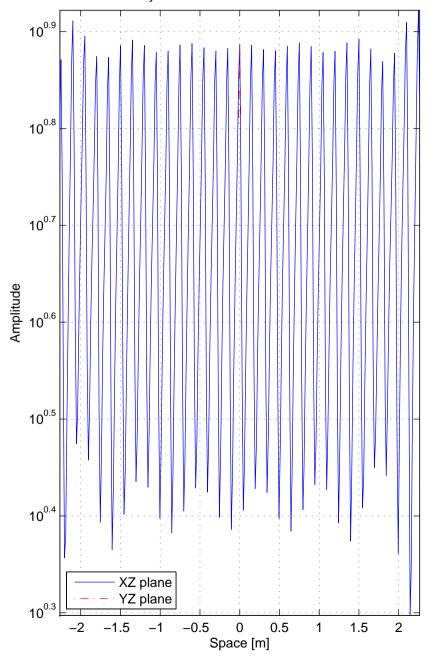
-1

-2 -1.5

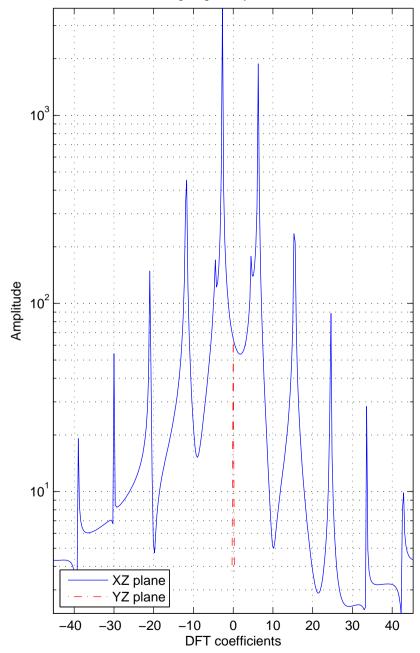




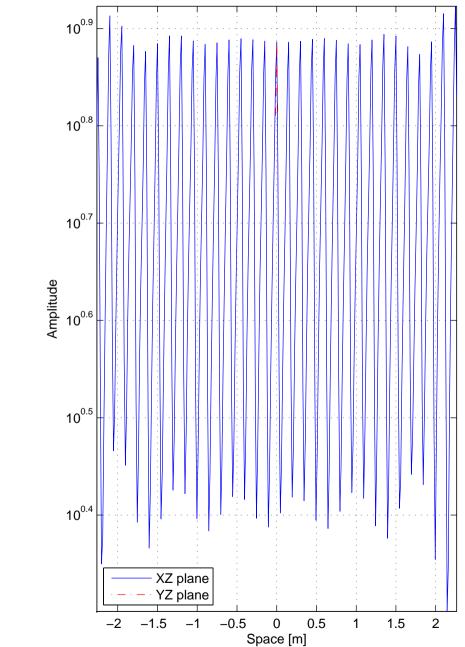
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



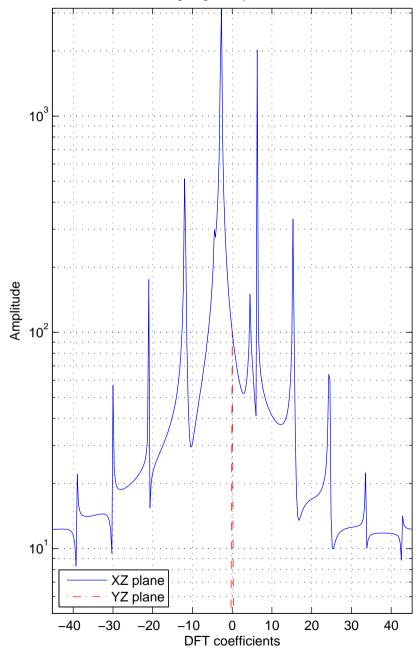
Plane Mode: 0, Steering angle on x direction: 37°, Steering angle on y direction: 0°.



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

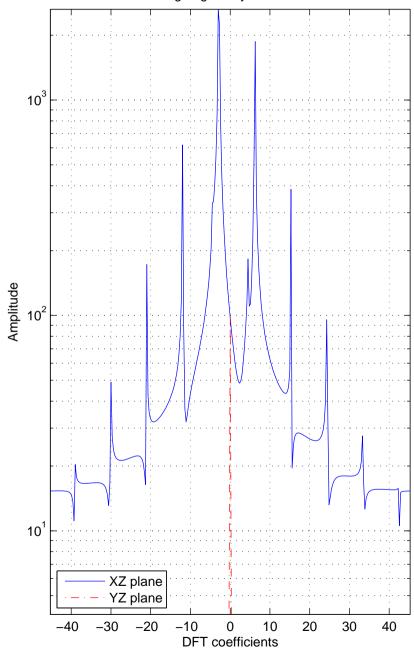


Plane Mode: 0, Steering angle on x direction: 38°, Steering angle on y direction: 0°.

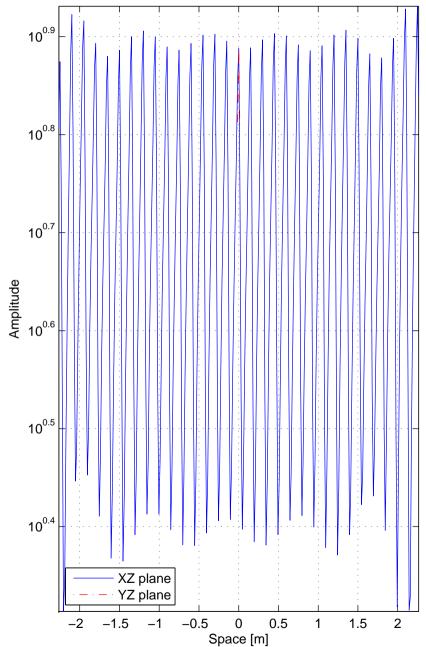


NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9}1 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5} | 10^{0.4} XZ plane YZ plane -2 -1.5 0.5 -1 -0.51.5 2 0 Space [m]

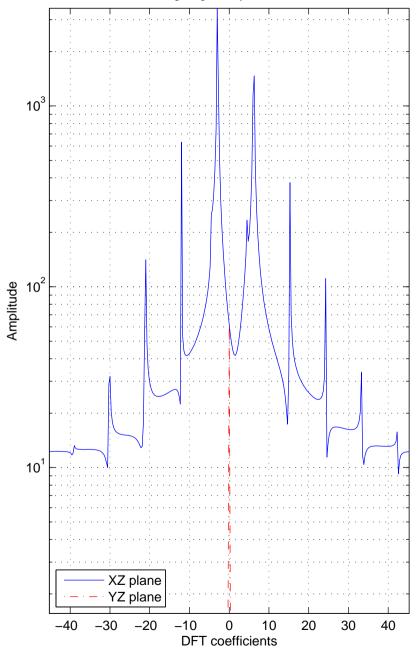
Plane Mode: 0, Steering angle on x direction: 39°, Steering angle on y direction: 0°.



NF, Altitude = 0.075λ , 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: 40°, Steering angle on y direction: 0°.



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5} 10^{0.4} XZ plane YZ plane

0.5

0

Space [m]

1.5

2

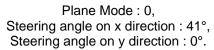
10^{0.3}

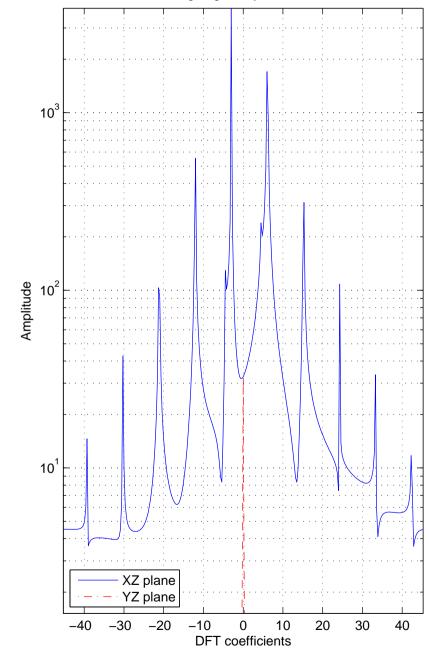
-1.5

-1

-0.5

-2





NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10^{0.8} 10^{0.7} Amplitude 10^{0.5} L 10^{0.4} XZ plane 10^{0.3} YZ plane

0.5

0

Space [m]

1.5

2

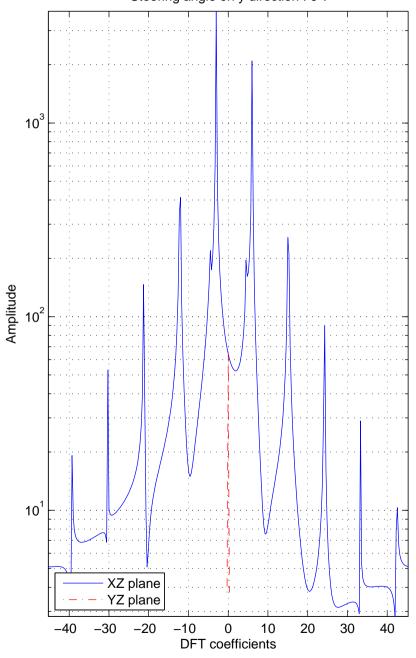
-1.5

-1

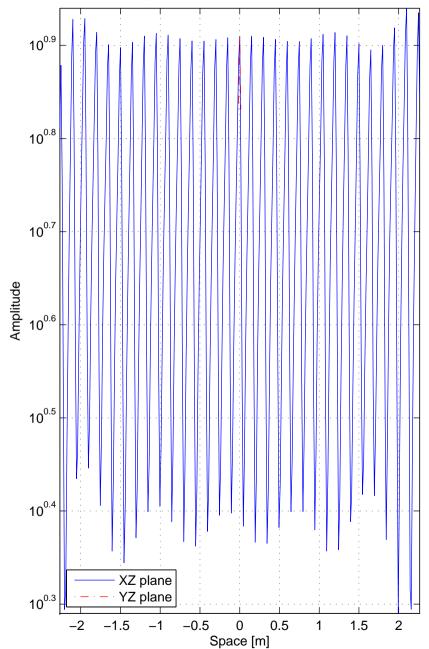
-0.5

-2

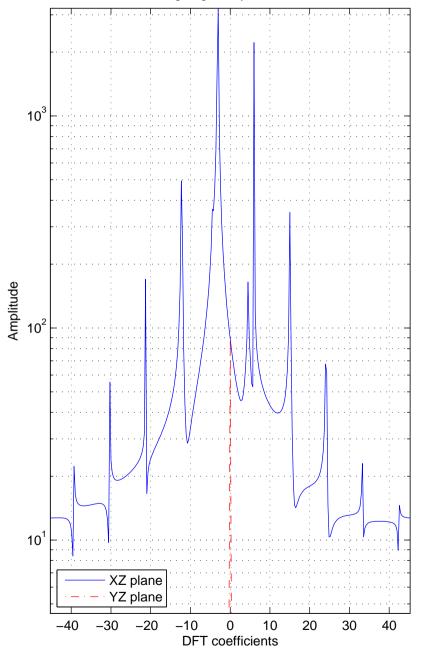
Plane Mode: 0, Steering angle on x direction: 42°, Steering angle on y direction: 0°.



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

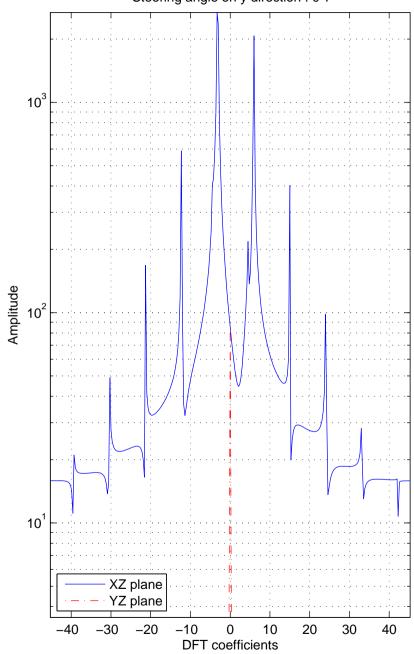


Plane Mode: 0, Steering angle on x direction: 43°, Steering angle on y direction: 0°.



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5}1 10^{0.4} 10^{0.3} XZ plane YZ plane -1.5 0.5 -2 -0.5 1.5 2 -1 0 Space [m]

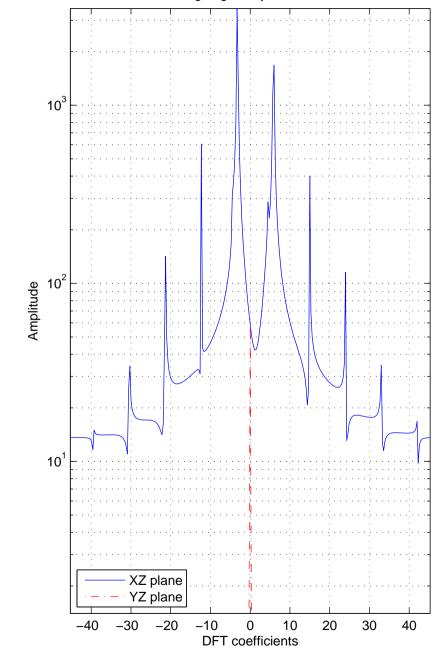
Plane Mode: 0, Steering angle on x direction: 44°, Steering angle on y direction: 0°.



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9}1 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5} 10^{0.4} 10^{0.3} XZ plane YZ plane -1.5 0.5 -2 -0.5 1.5 -1 0 2

Space [m]

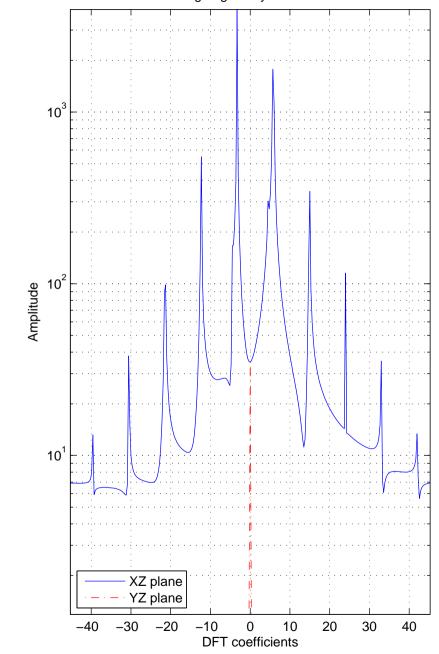
Plane Mode: 0, Steering angle on x direction: 45°, Steering angle on y direction: 0°.



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5} 10^{0.4} 10^{0.3} XZ plane YZ plane -1.5 0.5 -2 -0.5 1.5 2 -1 0

Space [m]

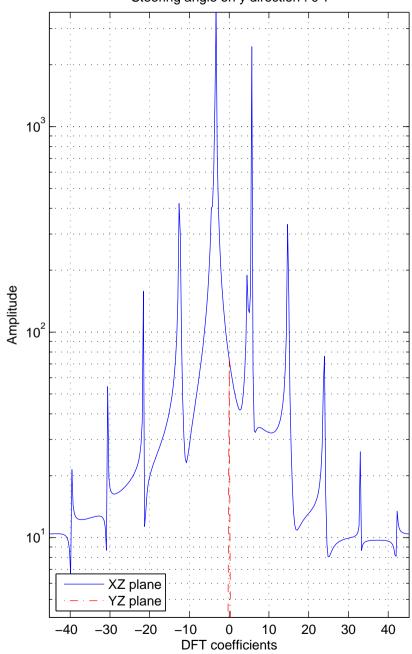
Plane Mode: 0, Steering angle on x direction: 46°, Steering angle on y direction: 0°.



Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 47°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10³ 10^{0.8} 10^{0.7} 10² Amplitude 10^{0.6} Amplitude 10^{0.5} 10¹ 10^{0.4} 10^{0.3}1 XZ plane XZ plane 10⁰ YZ plane YZ plane -1.5 0.5 20 -2 -0.5 1.5 2 -40 -30 -20 -10 10 30 40 -1 0 0 Space [m] DFT coefficients

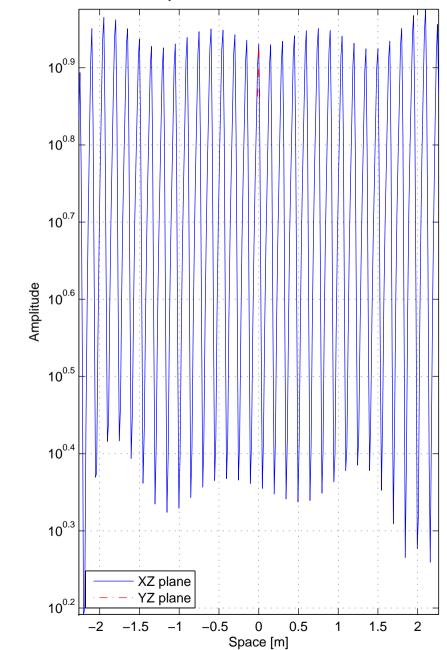
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10^{0.8} 10^{0.7} Amplitude 10^{0.6} 10^{0.5}1 10^{0.4} 10^{0.3} XZ plane YZ plane -1.5 0.5 -2 -0.5 1.5 2 -1 0 Space [m]

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

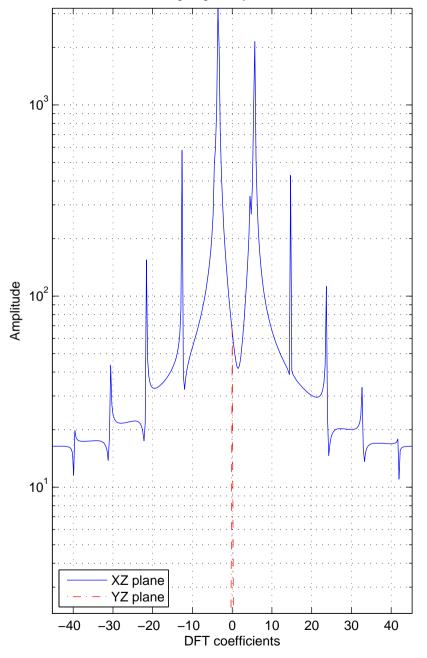


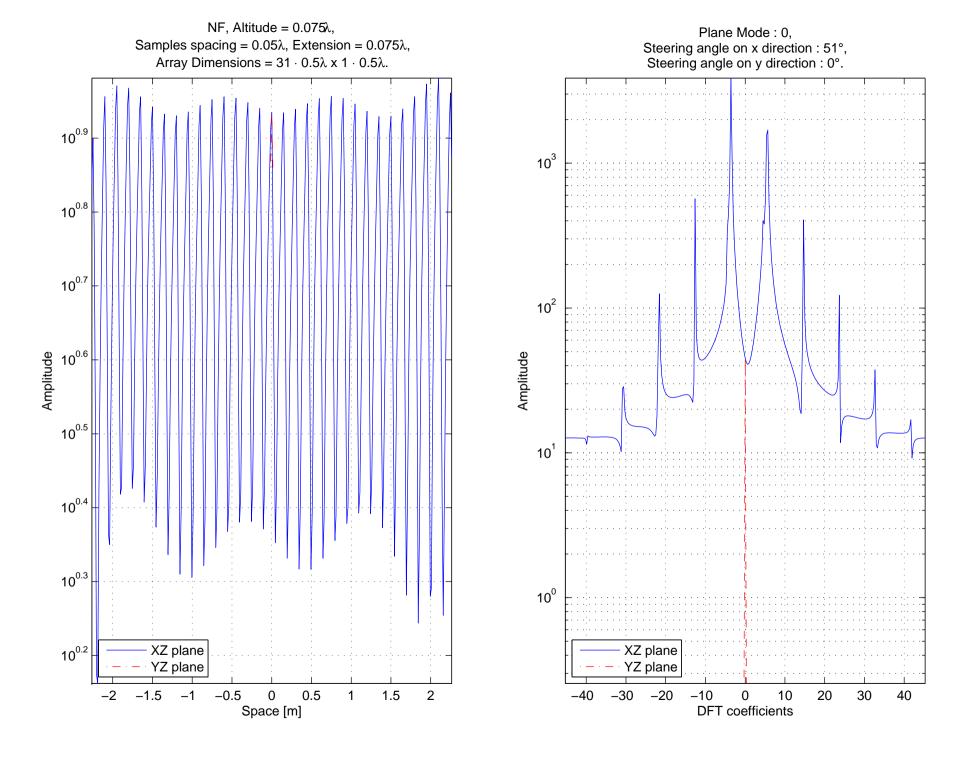
Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 49°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} | 10 10^{0.8} 10^{0.7} Amplitude 10^{0.6} Amplitude 10^{0.5} 10^{0.4} 10 10^{0.3} | XZ plane 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

NF, Altitude = 0.075λ , 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: 50°, Steering angle on y direction: 0°.





NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10^{0.8} 10^{0.7} Jo^{0.6} 10

10^{0.5}

10^{0.4}

10^{0.3}

10^{0.2}

XZ plane

YZ plane

-1

-0.5

0.5

0

Space [m]

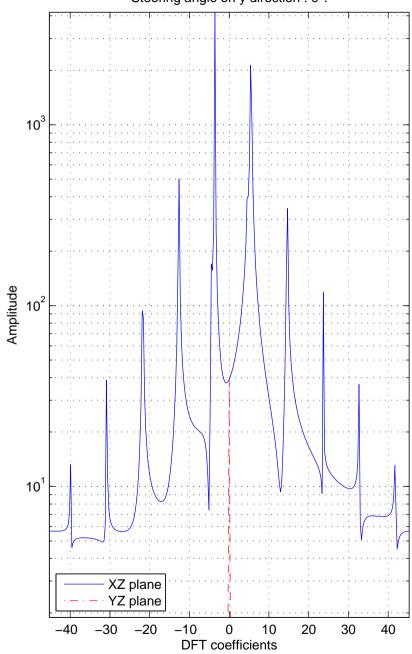
1.5

2

-1.5

-2





NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10^{0.8} և 10^{0.7} 10^{0.6} Amplitude 10^{0.4} 10^{0.3} 10^{0.2}

0

Space [m]

1.5

2

XZ plane

YZ plane

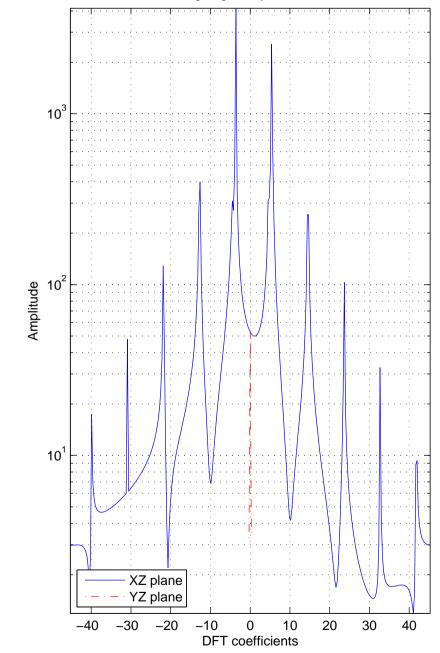
-1

-0.5

-1.5

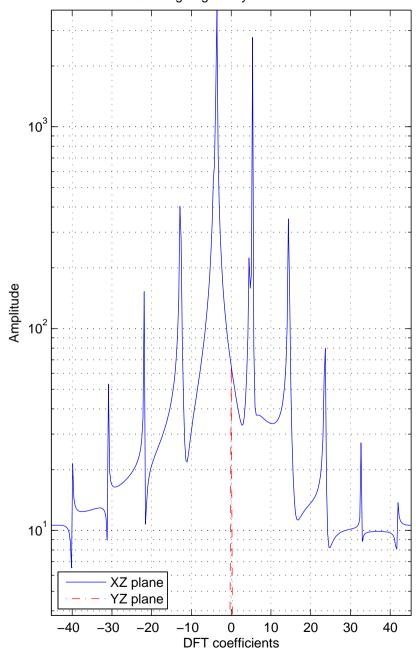
-2

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



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10^{0.8} 10^{0.7} 10^{0.6} Amplitude 10^{0.4} 10^{0.3} | 10^{0.2} XZ plane YZ plane 10^{0.1} -1.5 0.5 -2 -0.5 1.5 -1 0 2 Space [m]

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



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10^{0.9} 10^{0.8} 10^{0.7} 10^{0.6} Amplitude 10^{0.4} 10^{0.3} 10^{0.2} XZ plane 10^{0.1} YZ plane

0

Space [m]

1.5

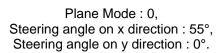
2

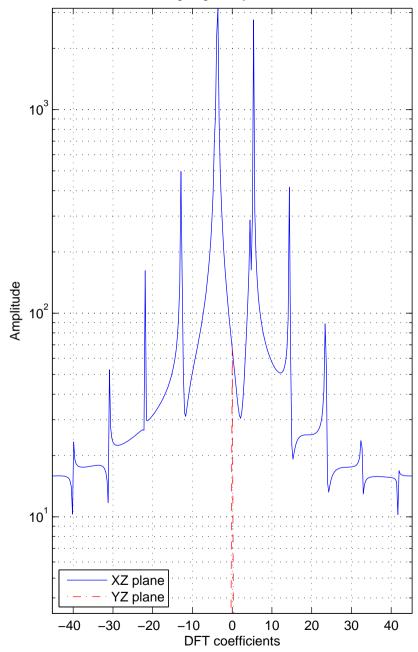
-1.5

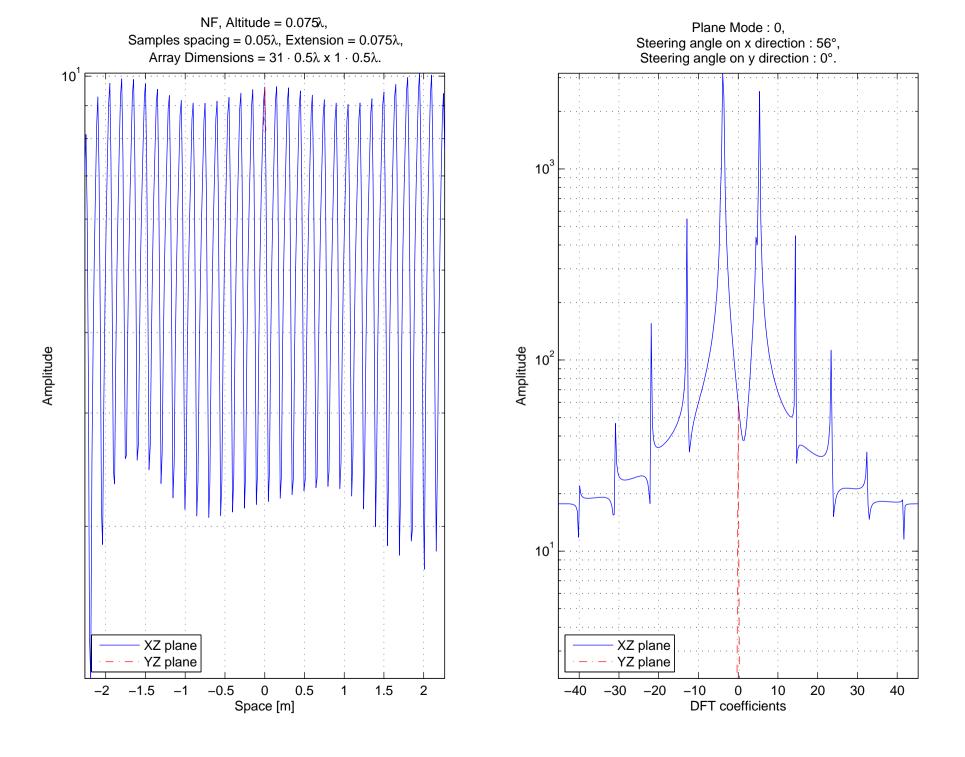
-1

-0.5

-2







Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 57°, Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Steering angle on y direction: 0°. 10¹ 10³ 10² Amplitude Amplitude 10¹ 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.51.5 -30 -20 -10 20 30 -1 0 2 -40 10 40 Space [m] DFT coefficients

NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude

XZ plane

YZ plane

-1

-0.5

0.5

0

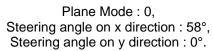
Space [m]

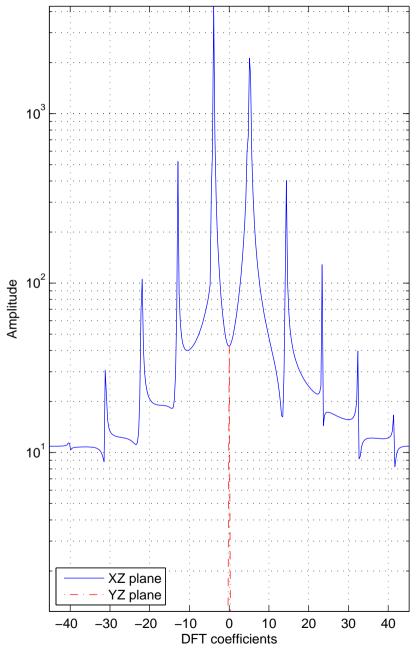
1.5

2

-1.5

10⁰





NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude 10⁰ XZ plane YZ plane

-1.5

-1

-0.5

0.5

0

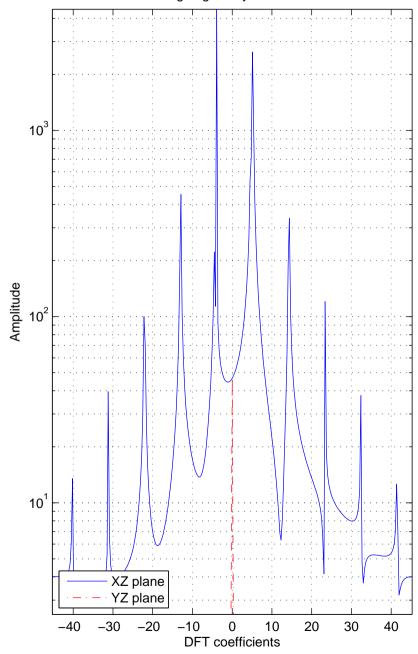
Space [m]

1.5

2

-2

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



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude 10⁰ XZ plane

0

Space [m]

1.5

2

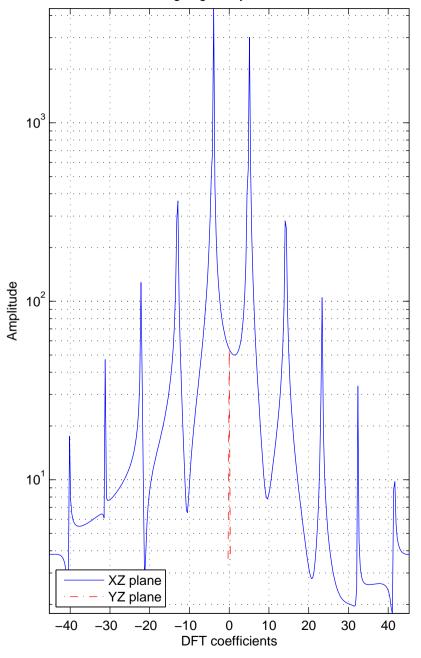
YZ plane

-1

-0.5

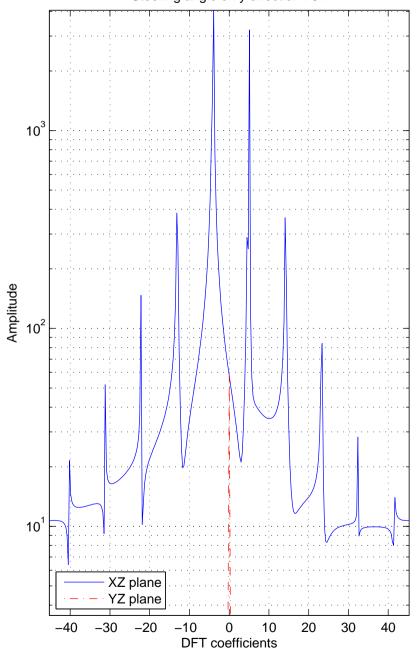
-2 -1.5

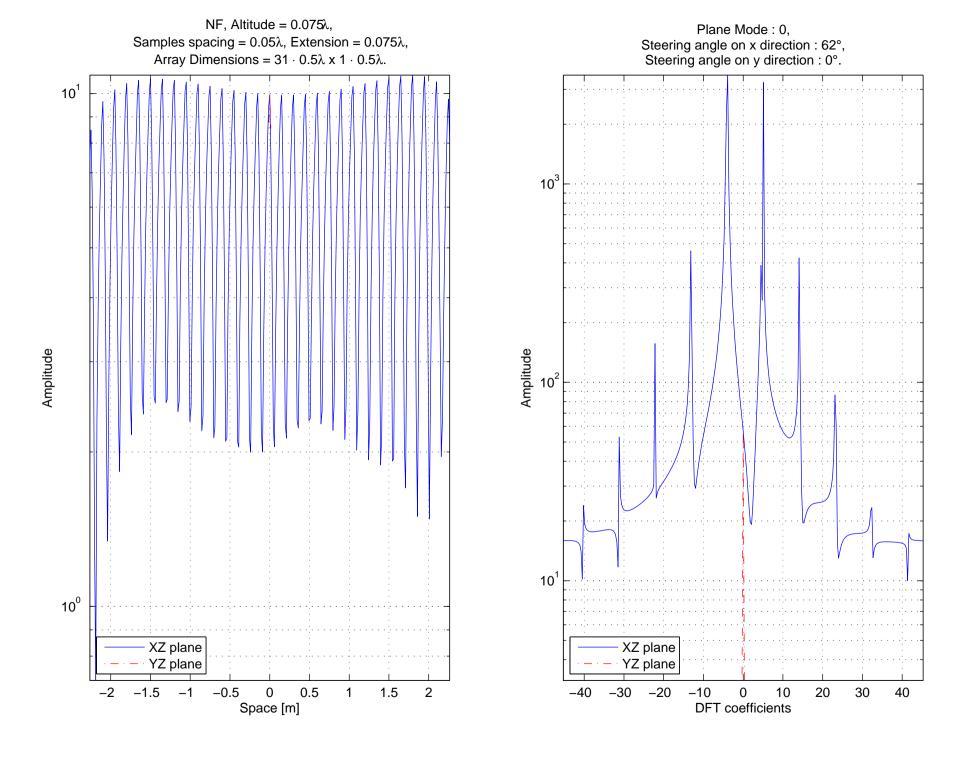
Plane Mode: 0, Steering angle on x direction: 60°, Steering angle on y direction: 0°.



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude 10⁰ XZ plane YZ plane -2 -1.5 0.5 -0.5 1.5 -1 0 2 Space [m]

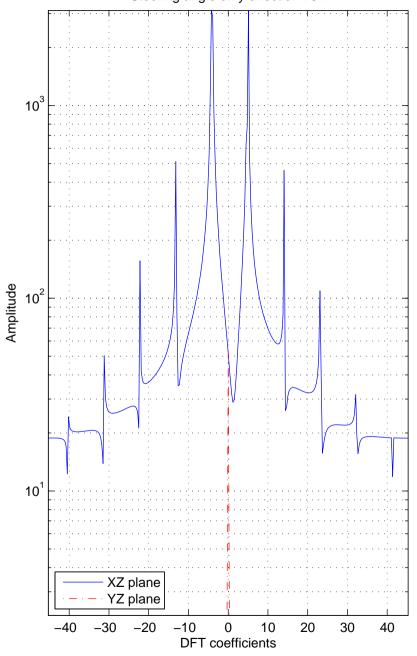
Plane Mode: 0, Steering angle on x direction: 61°, Steering angle on y direction: 0°.





Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude 10⁰ 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: 63°, Steering angle on y direction: 0°.

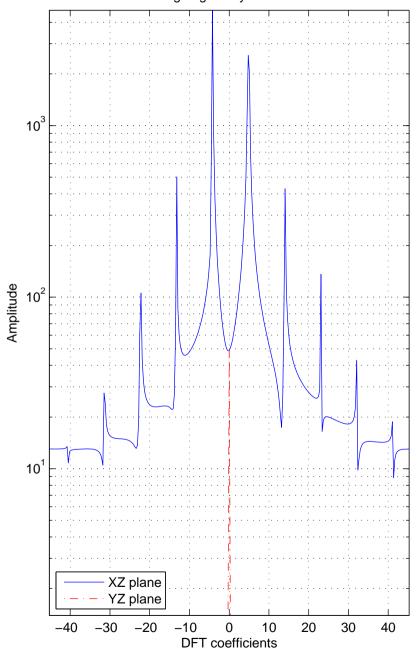


Plane Mode: 0, Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 64°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ 10³ Amplitude 10² Amplitude 10 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 10 20 -2 -1.5 -0.5 1.5 -40 -30 -20 -10 30 40 -1 0 2 0 Space [m] DFT coefficients

Plane Mode: 0, Steering angle on x direction: 65°, 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°. 10¹ 10³ 10² Amplitude Amplitude 10¹ 10⁰ 10⁰ XZ plane XZ plane YZ plane YZ plane -2 -1.5 0.5 -0.5 1.5 -30 -20 -10 10 20 30 -1 0 2 40 Space [m] DFT coefficients

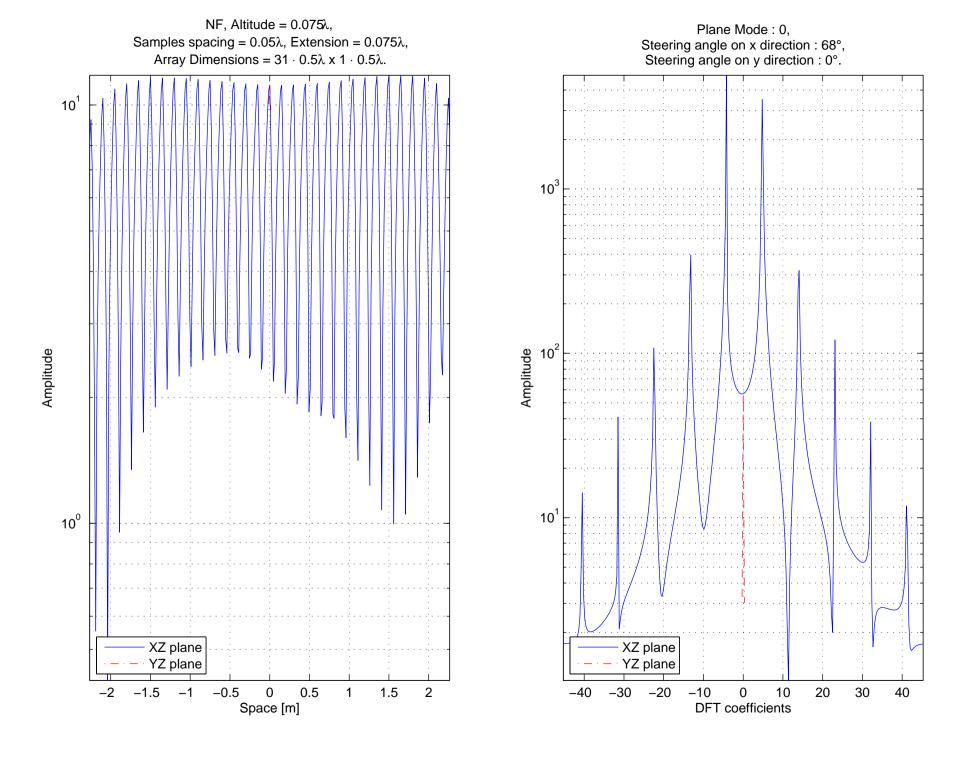
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude 10⁰ XZ plane YZ plane -1.5 0.5 -2 -0.5 1.5 -1 0 2 Space [m]

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



Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction : 67°, Steering angle on y direction : 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ 10³ Amplitude Amplitude 10⁰ 10¹ 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,

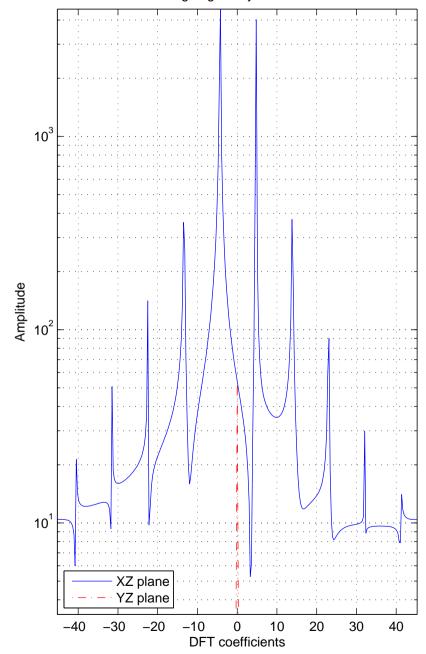


Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 69°, Steering angle on y direction: 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ 10³ Amplitude Amplitude 10⁰ 10¹ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -40 -30 -20 -10 10 20 30 40 -1 0 2 Space [m] DFT coefficients

Plane Mode: 0,

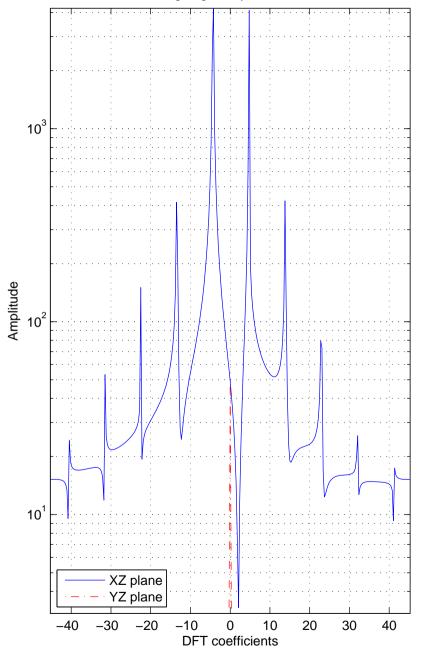
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude 10⁰ XZ plane YZ plane 0.5 -2 -1.5 -0.51.5 -1 0 2 Space [m]

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



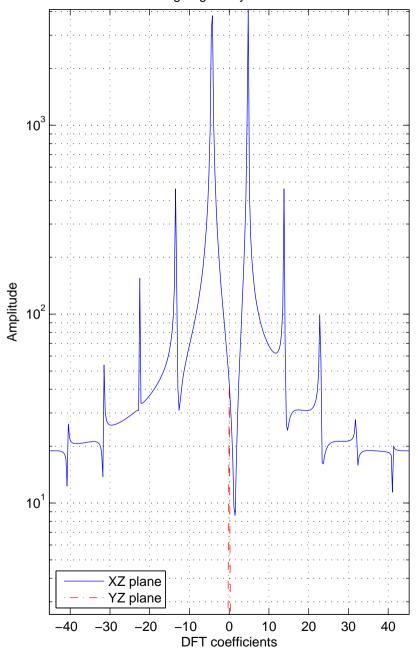
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude 10⁰ XZ plane YZ plane -2 -1.5 0.5 -1 -0.5 1.5 0 2 Space [m]

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



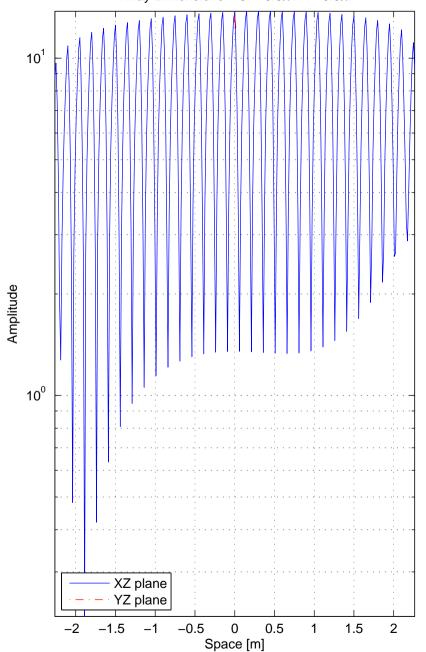
Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude 10⁰ XZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 0 2 Space [m]

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

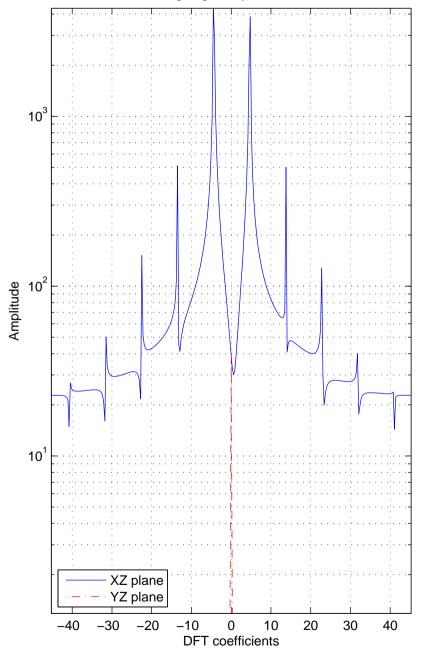


Plane Mode: 0, Steering angle on x direction: 73°, Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. Steering angle on y direction: 0°. 10¹ 10³ Amplitude Amplitude 10⁰ 10 XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 10 20 30 -1 0 2 -10 40 Space [m] DFT coefficients

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

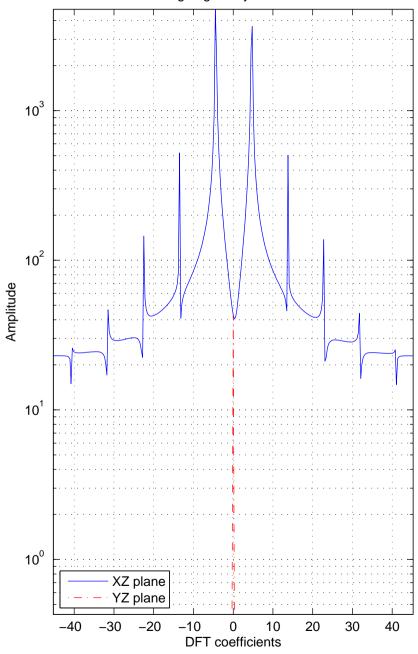


Plane Mode: 0, Steering angle on x direction: 74°, Steering angle on y direction: 0°.



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude XZ plane YZ plane 10 -2 -1.5 -1 -0.5 0.5 1.5 0 2 Space [m]

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

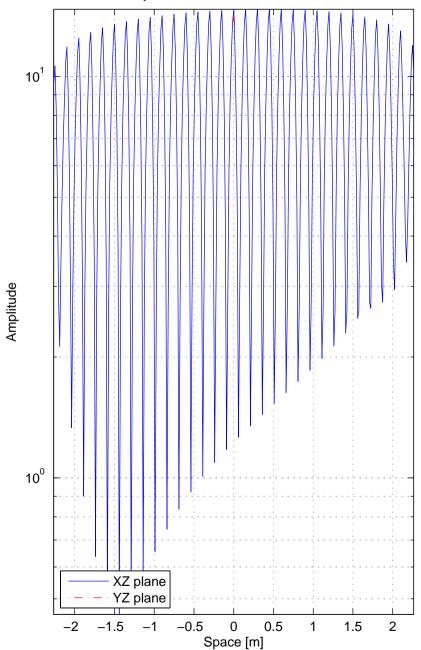


Samples spacing = 0.05λ , Extension = 0.075λ , Steering angle on x direction: 76°, Steering angle on y direction: 0°. Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ 10³ 10² Amplitude Amplitude 10⁰ 10¹ 10⁰ XZ plane XZ plane YZ plane YZ plane 0.5 -2 -1.5 -0.5 1.5 -30 -20 -10 10 20 30 -1 0 2 0 Space [m] DFT coefficients

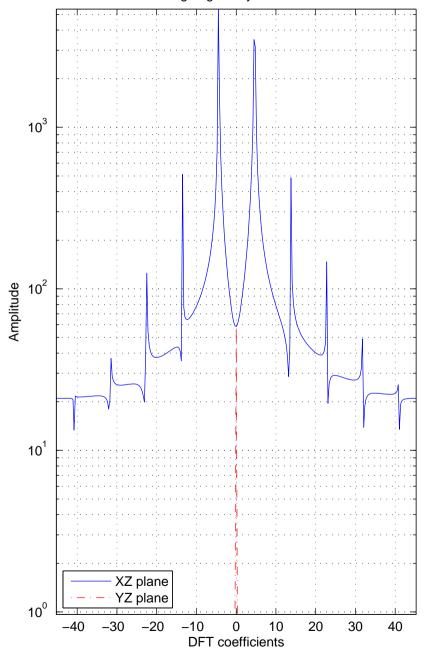
Plane Mode: 0,

40

NF, Altitude = 0.075λ , 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 = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude

10⁰

XZ plane

YZ plane

-1

-0.5

-2 -1.5

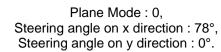
0.5

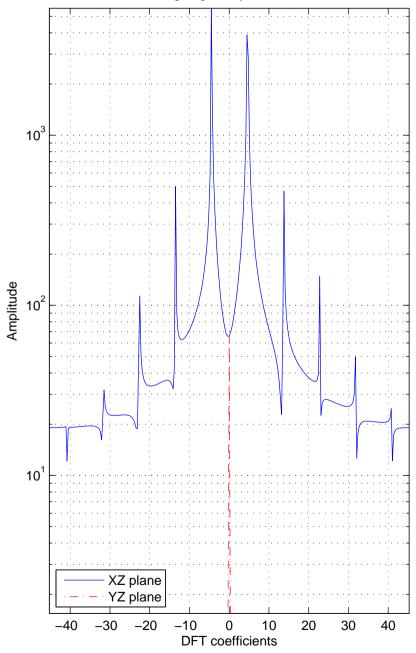
0

Space [m]

1.5

2





NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude XZ plane

0

Space [m]

1.5

2

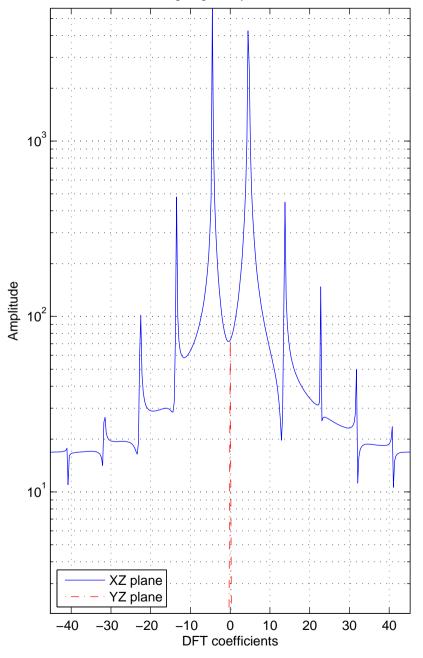
YZ plane

-1

-0.5

-2 -1.5

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



NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude

0

Space [m]

1.5

2

XZ plane

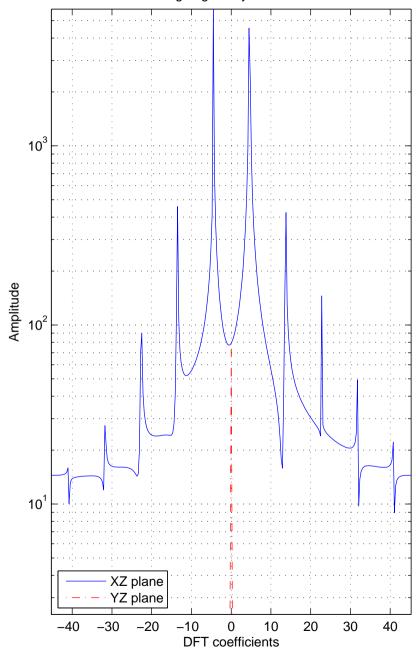
YZ plane

-1

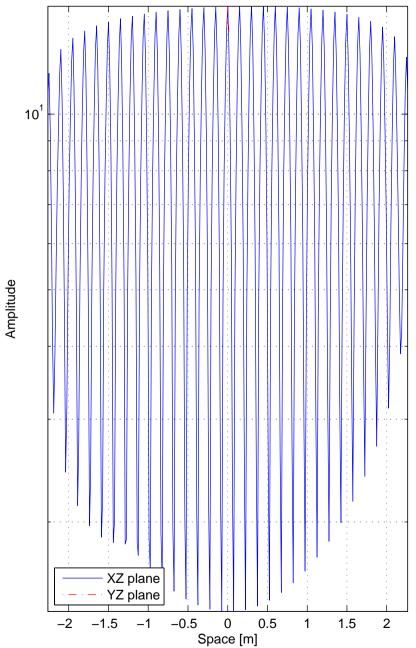
-0.5

-2 -1.5

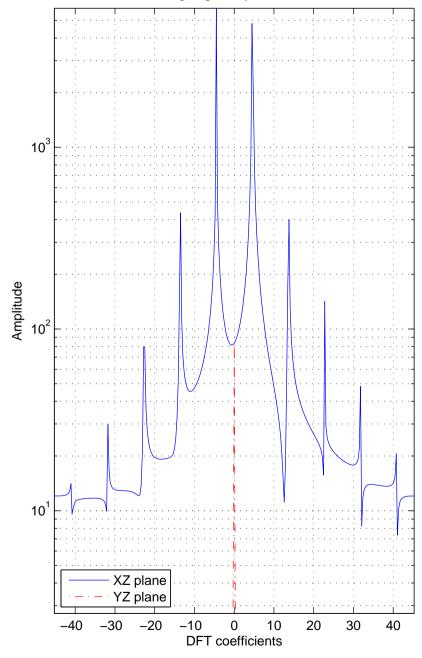
Plane Mode: 0, Steering angle on x direction: 80°, Steering angle on y direction: 0°.



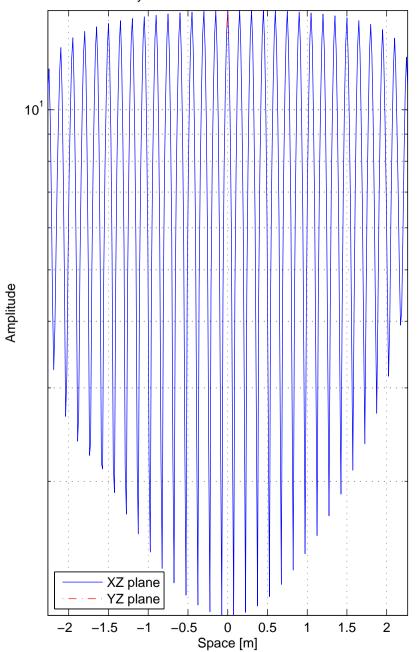
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



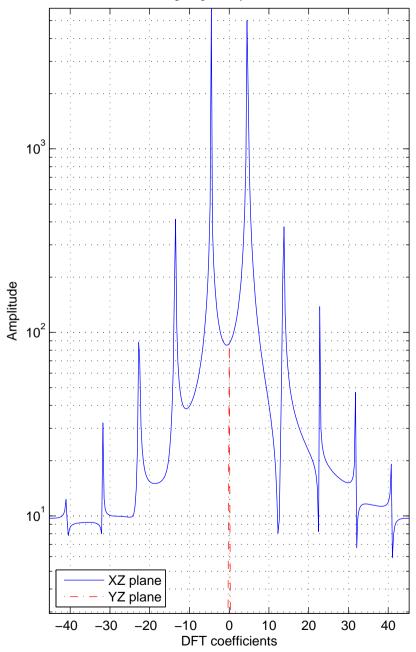
Plane Mode: 0, Steering angle on x direction: 81°, Steering angle on y direction: 0°.



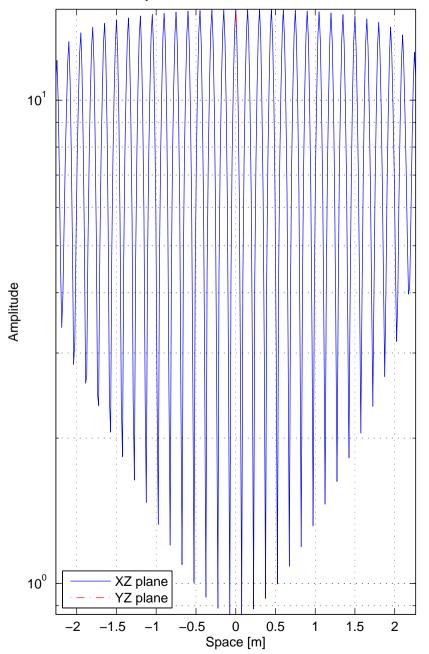
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



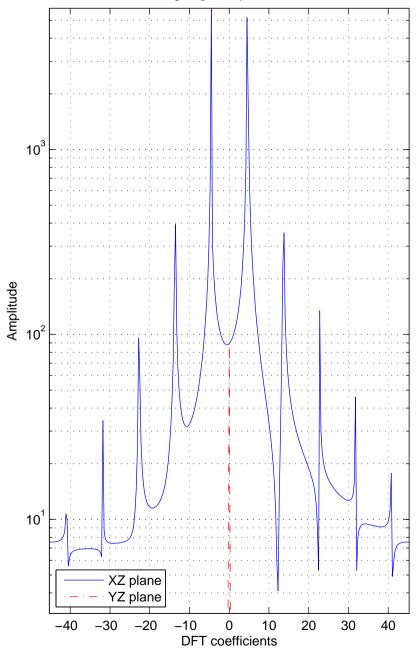
Plane Mode: 0, Steering angle on x direction: 82°, Steering angle on y direction: 0°.



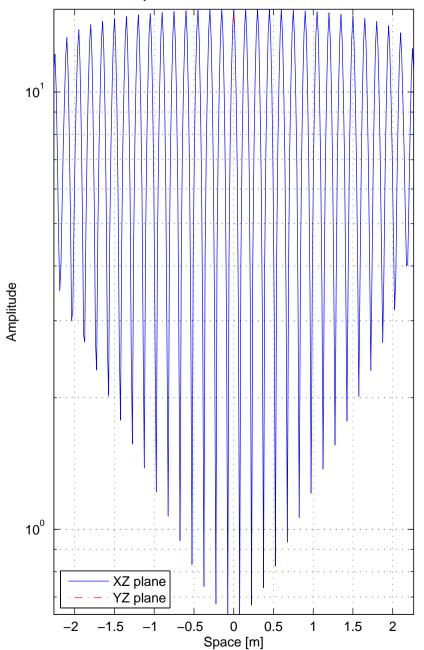
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



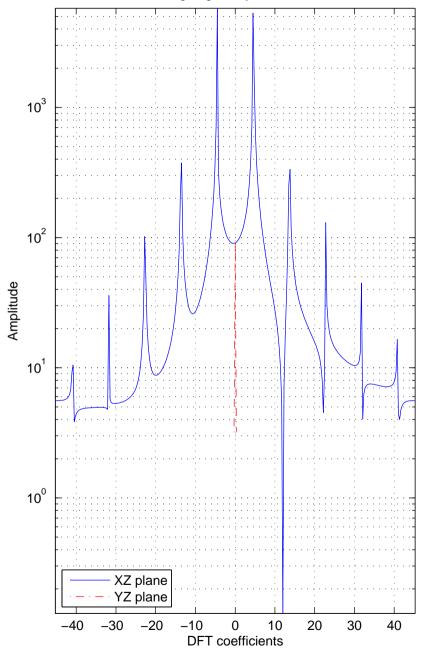
Plane Mode: 0, Steering angle on x direction: 83°, Steering angle on y direction: 0°.



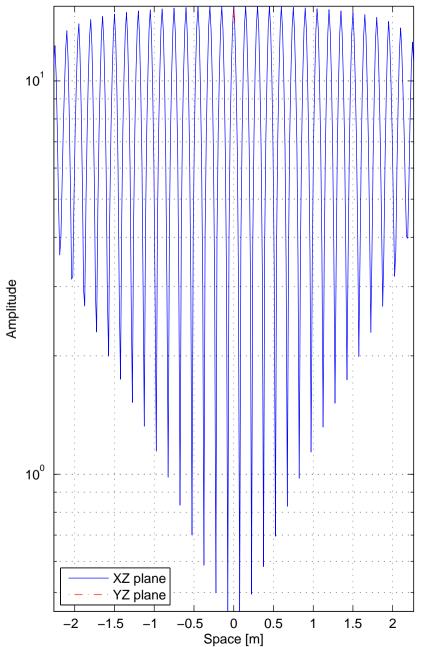
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



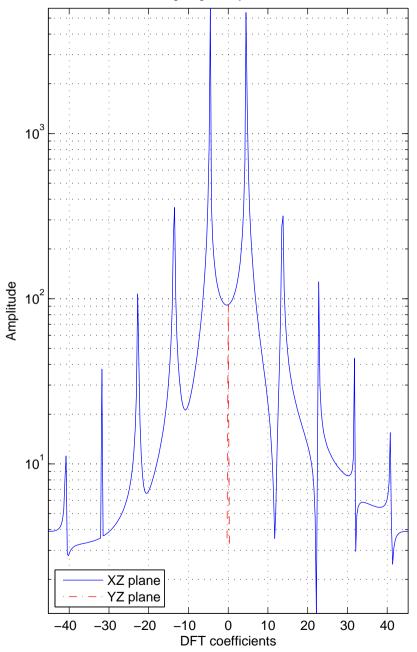
Plane Mode: 0, Steering angle on x direction: 84°, Steering angle on y direction: 0°.



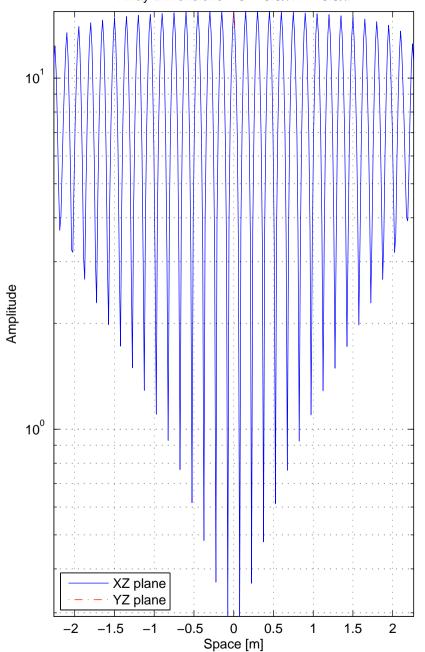
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



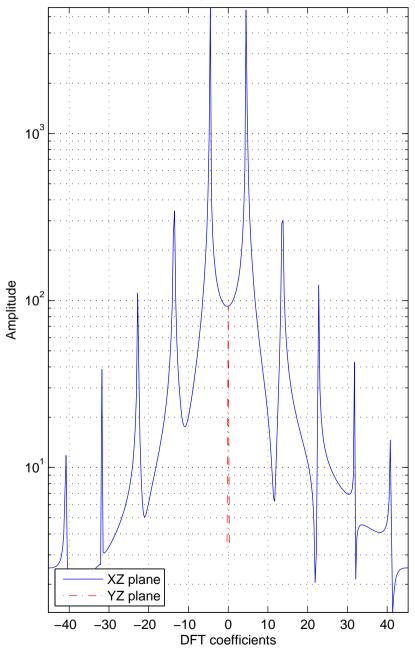
Plane Mode: 0, Steering angle on x direction: 85°, Steering angle on y direction: 0°.



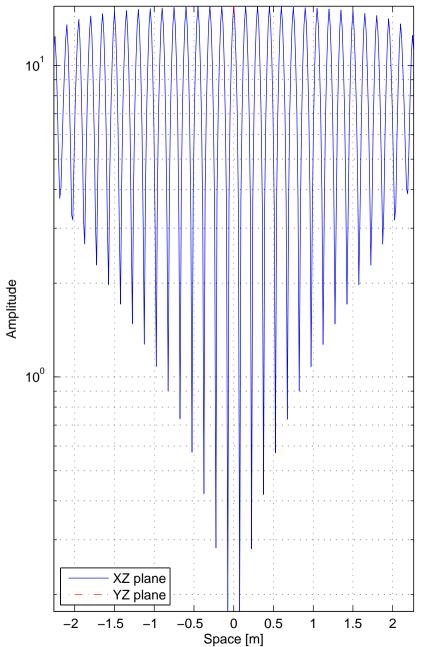
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



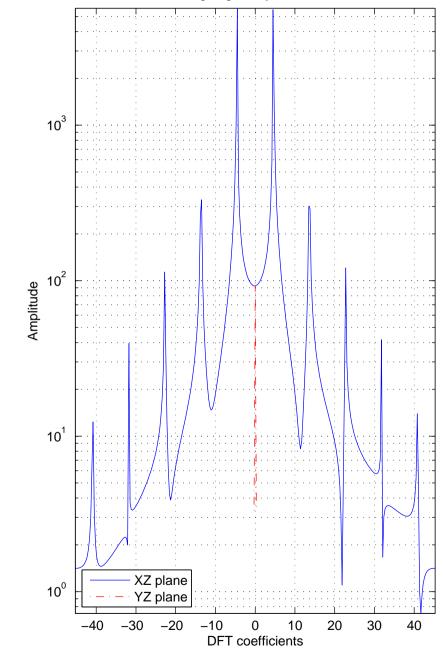
Plane Mode: 0, Steering angle on x direction: 86°, Steering angle on y direction: 0°.



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



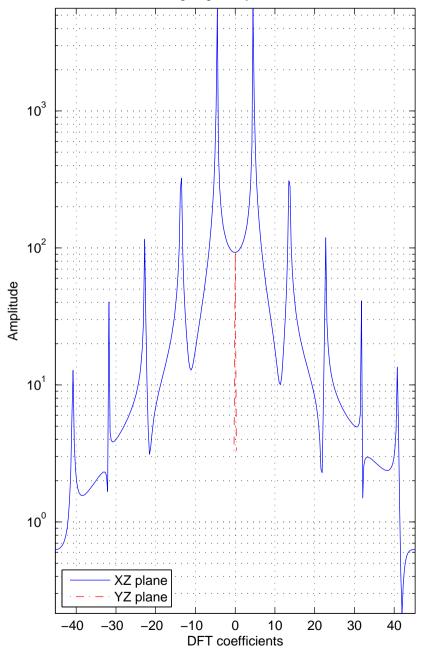
Plane Mode: 0, Steering angle on x direction: 87°, Steering angle on y direction: 0°.



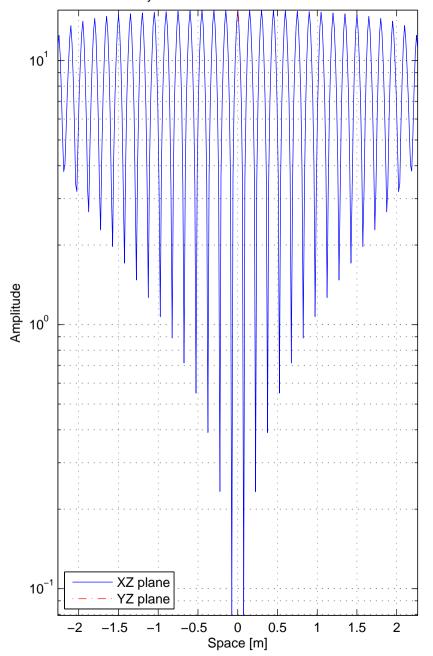
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$. 10¹ Amplitude 10° XZ plane YZ plane -2 -1.5 0.5 -1 -0.5 1.5 0 2

Space [m]

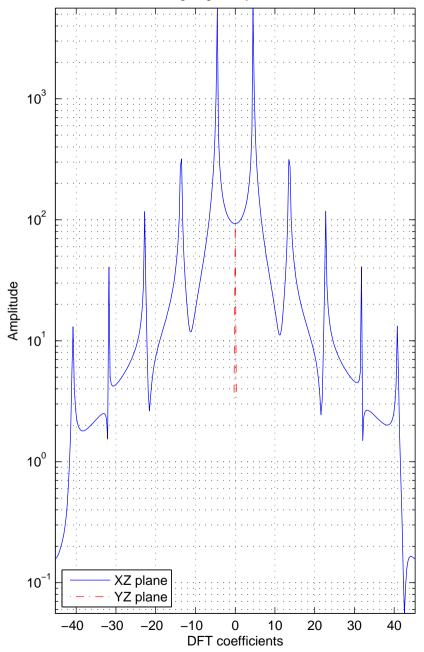
Plane Mode: 0, Steering angle on x direction: 88°, Steering angle on y direction: 0°.



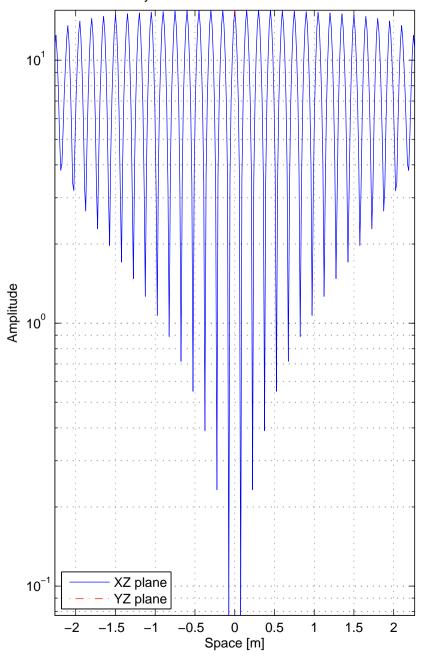
NF, Altitude = 0.075λ , Samples spacing = 0.05λ , Extension = 0.075λ , Array Dimensions = $31 \cdot 0.5\lambda \times 1 \cdot 0.5\lambda$.



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



NF, Altitude = 0.075λ , 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°.

