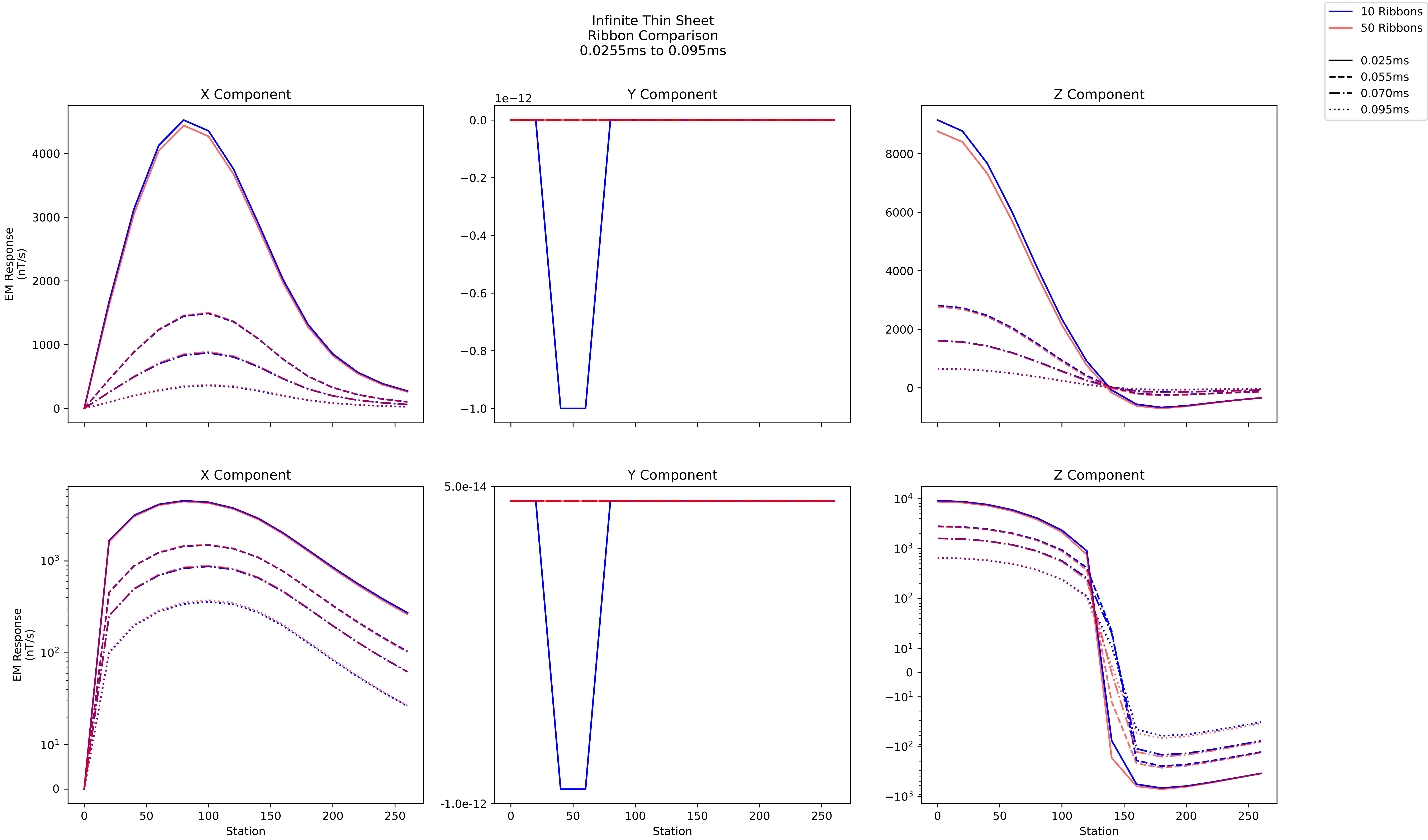
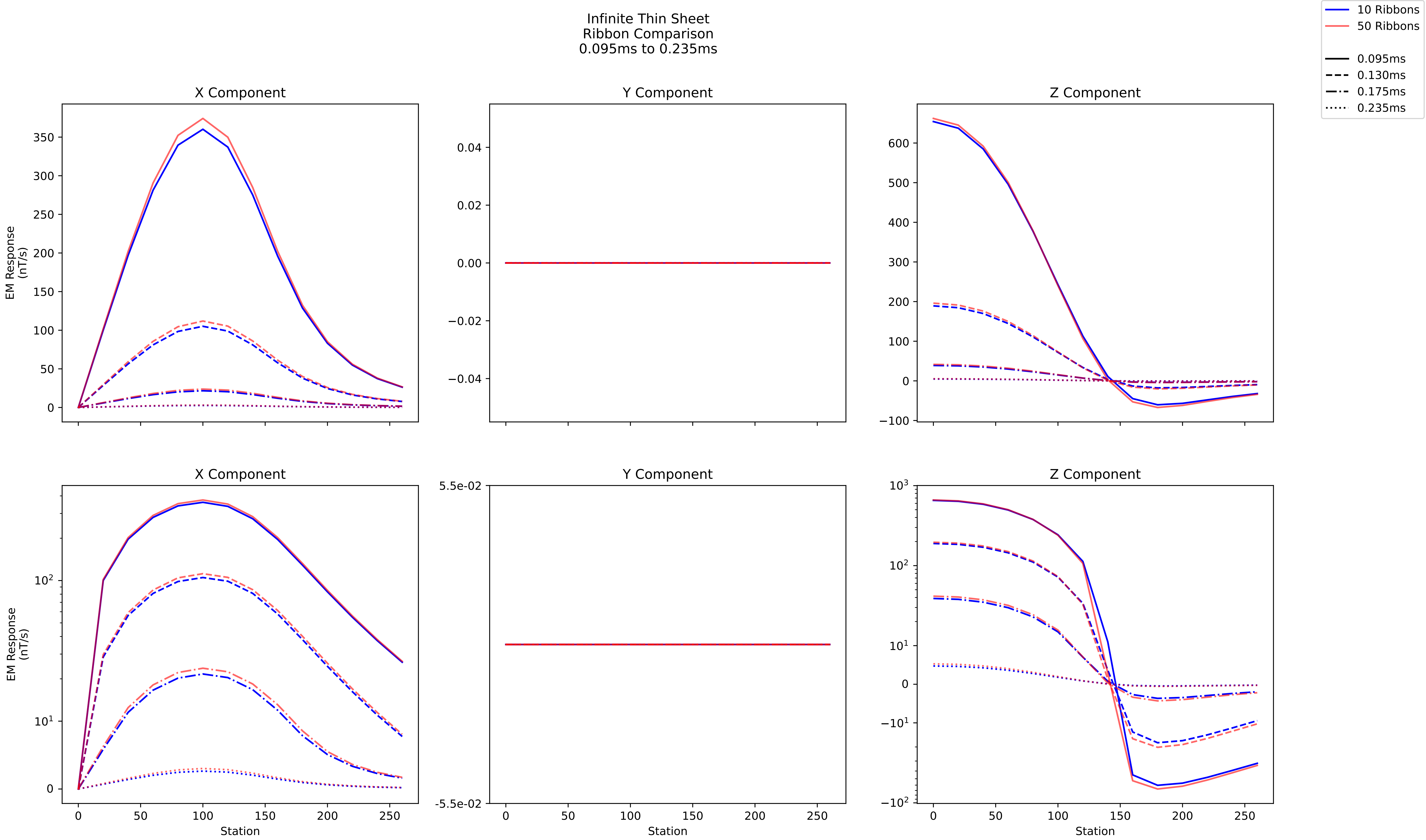
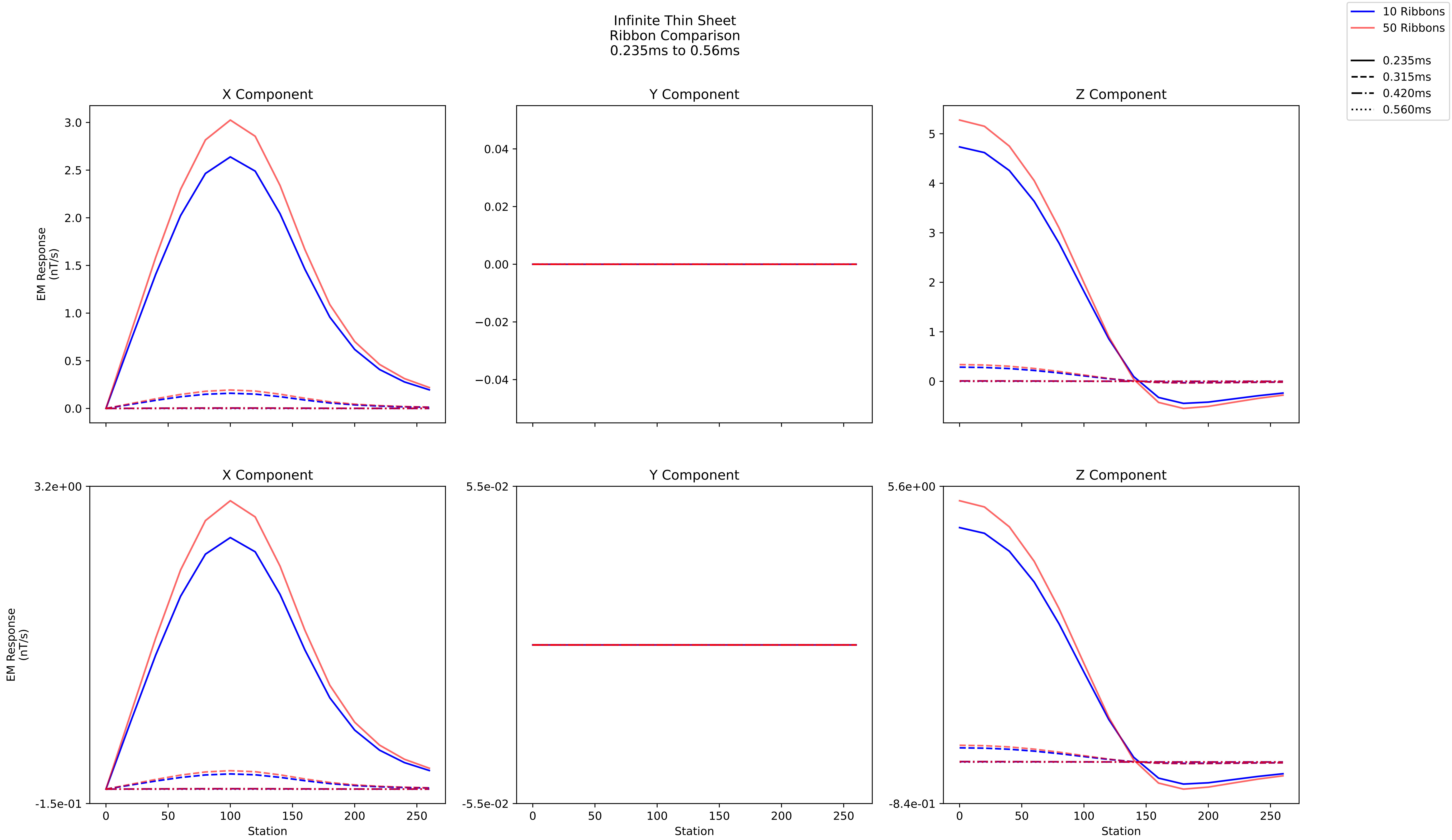
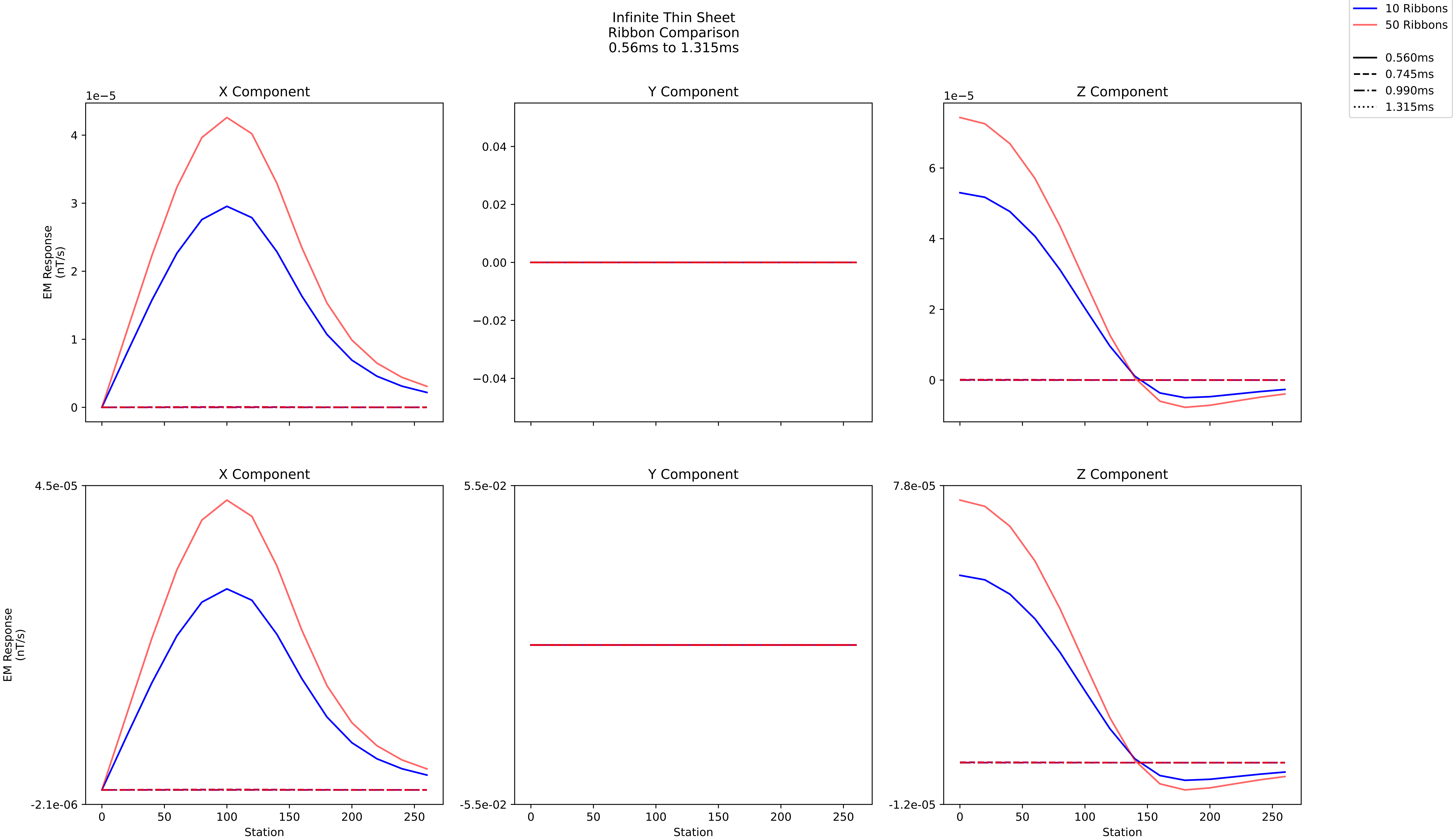

Infinite Thin Sheet
Ribbon Comparison
0.0255ms to 0.095ms
10 Ribbons
50 Ribbons
0.025ms
0.055ms
0.070ms
0.095ms
X Component
Y Component
Z Component
EM Response
(nT/s)
Station
0
1000
2000
3000
4000
1e−12
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
2000
4000
6000
8000
10^1
10^2
10^3
5.0e-14
-1.0e-12
10^4
$−10^1$
$−10^2$
$−10^3$
50
100
150
200
250


Infinite Thin Sheet
Ribbon Comparison
0.095ms to 0.235ms


Infinite Thin Sheet
Ribbon Comparison
0.235ms to 0.56ms
10 Ribbons
50 Ribbons
0.235ms
0.315ms
0.420ms
0.560ms
X Component
Y Component
Z Component
EM Response (nT/s)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.04
0.02
0.00
−0.02
−0.04
5
4
3
2
1
0
3.2e+00
-1.5e-01
5.5e-02
-5.5e-02
5.6e+00
-8.4e-01
0
50
100
150
200
250
Station



Infinite Thin Sheet
Ribbon Comparison
0.56ms to 1.315ms

X Component

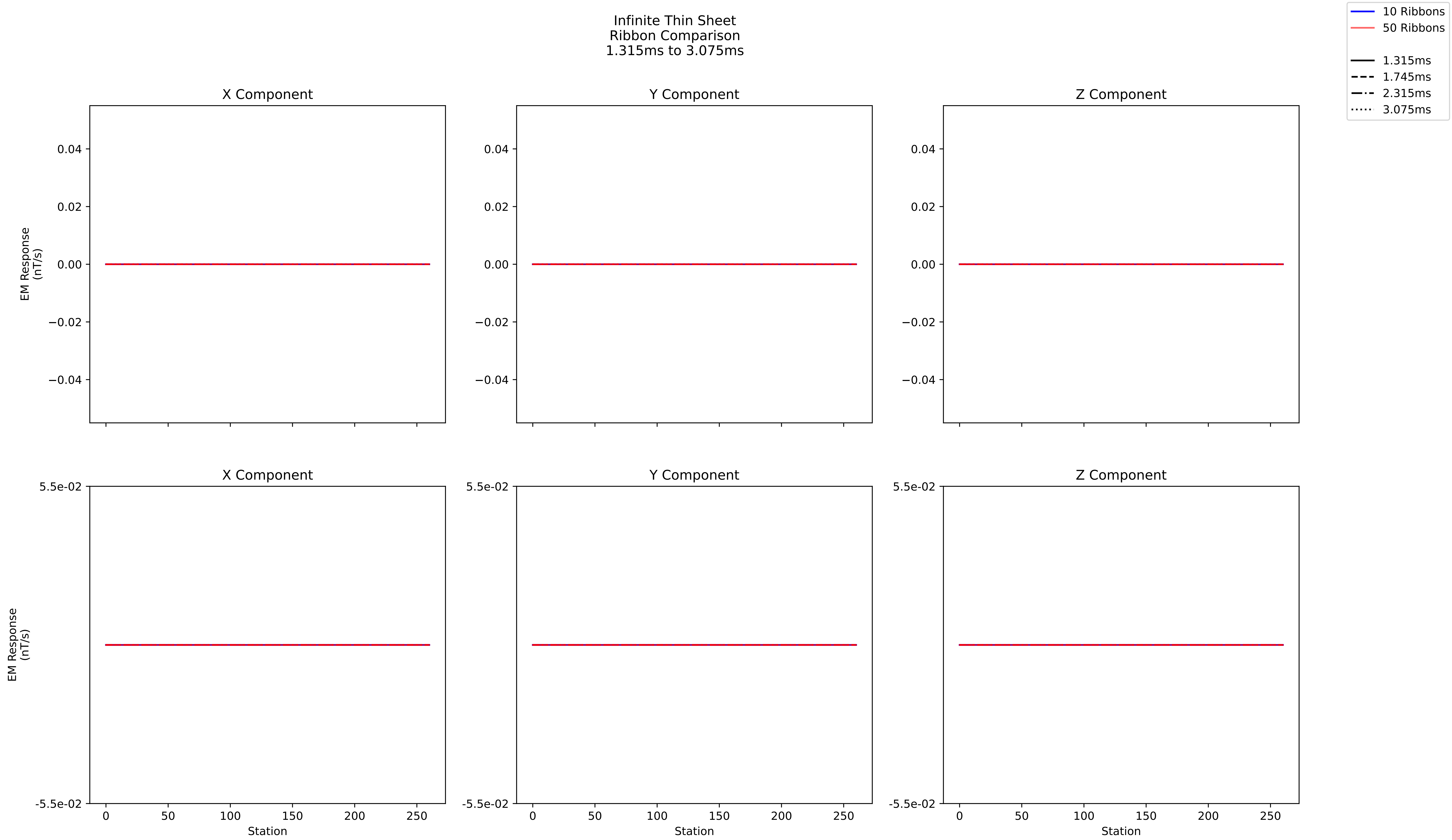
Y Component

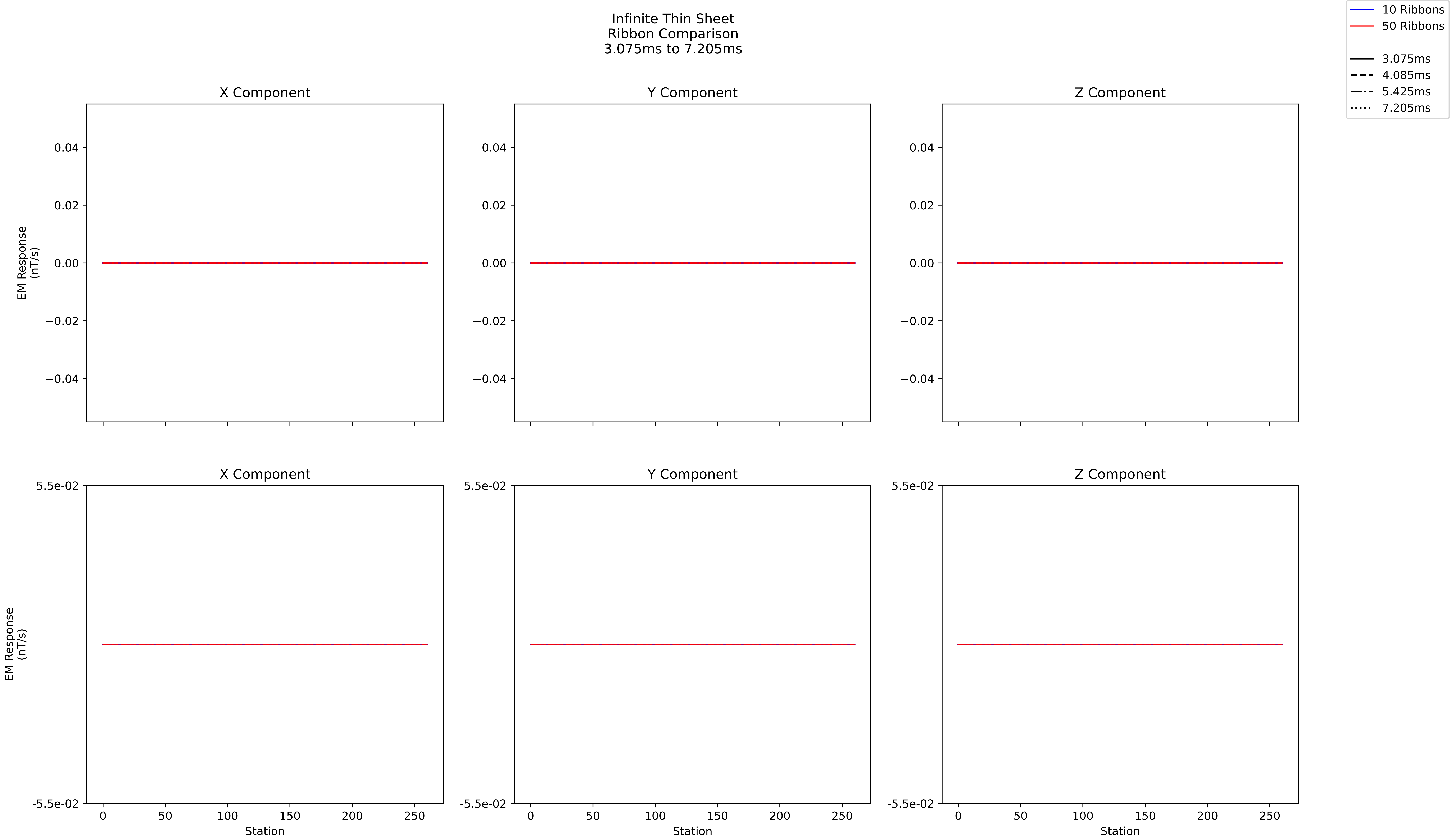
Z Component

X Component

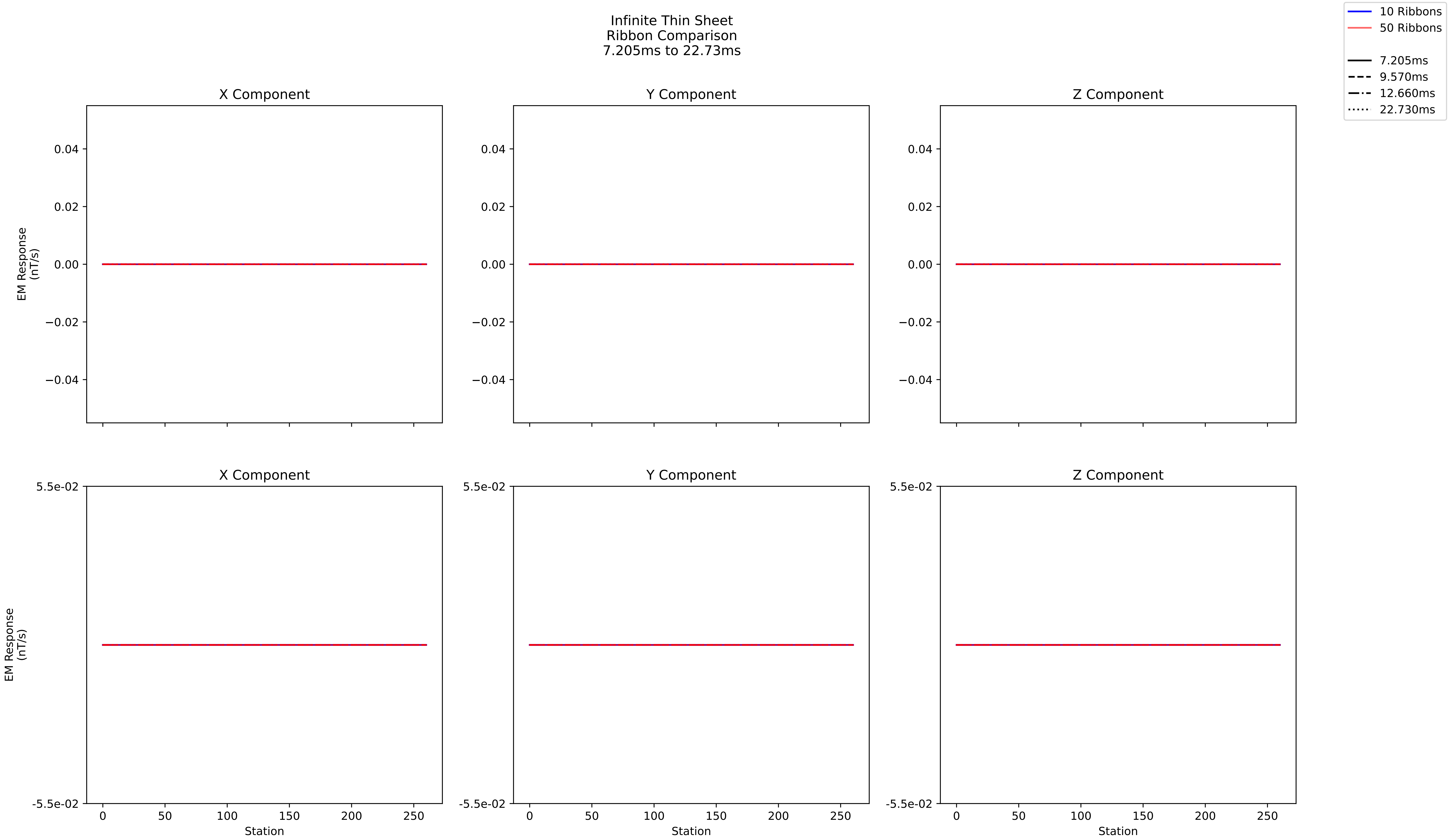
Y Component

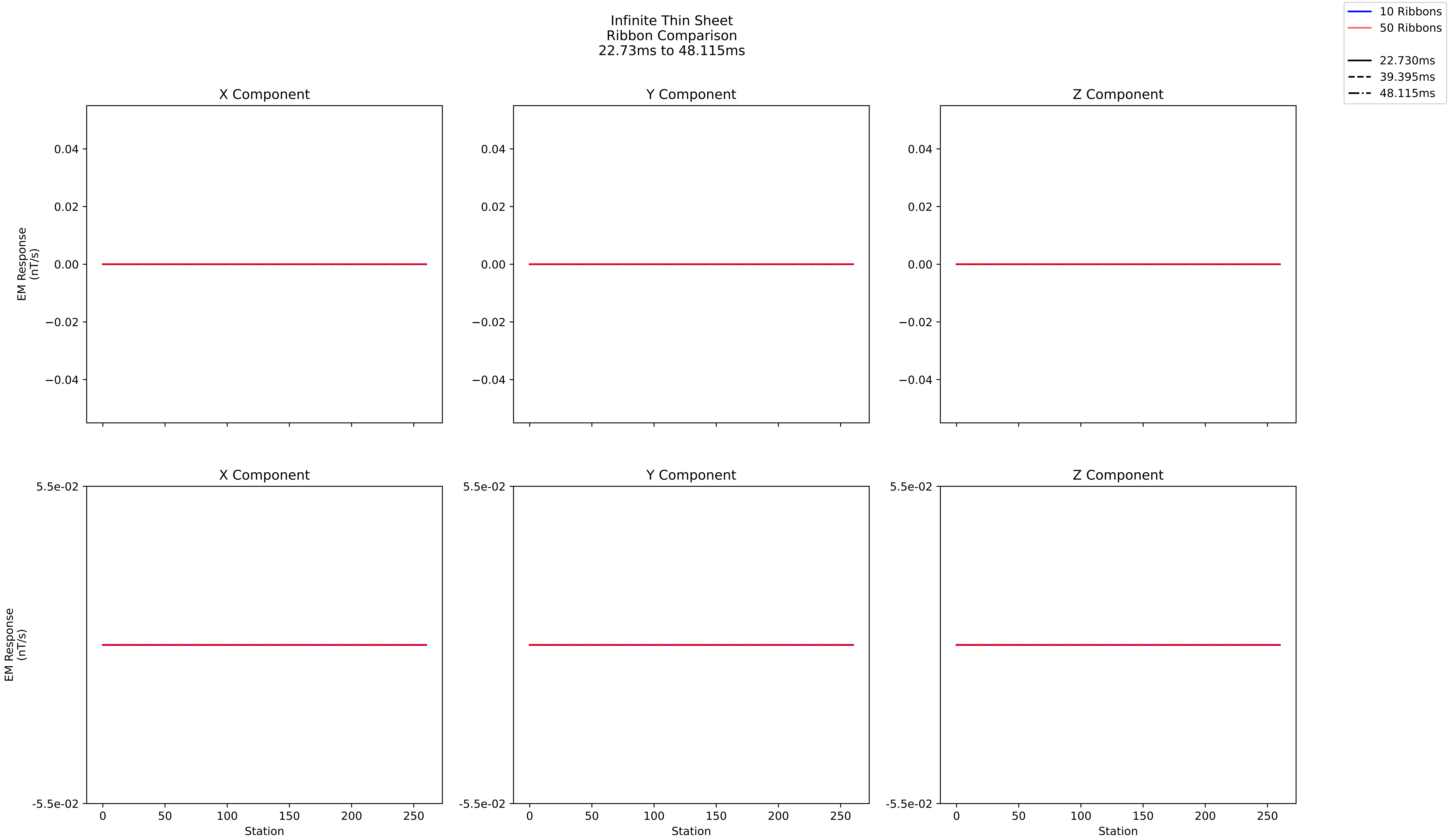
Z Component

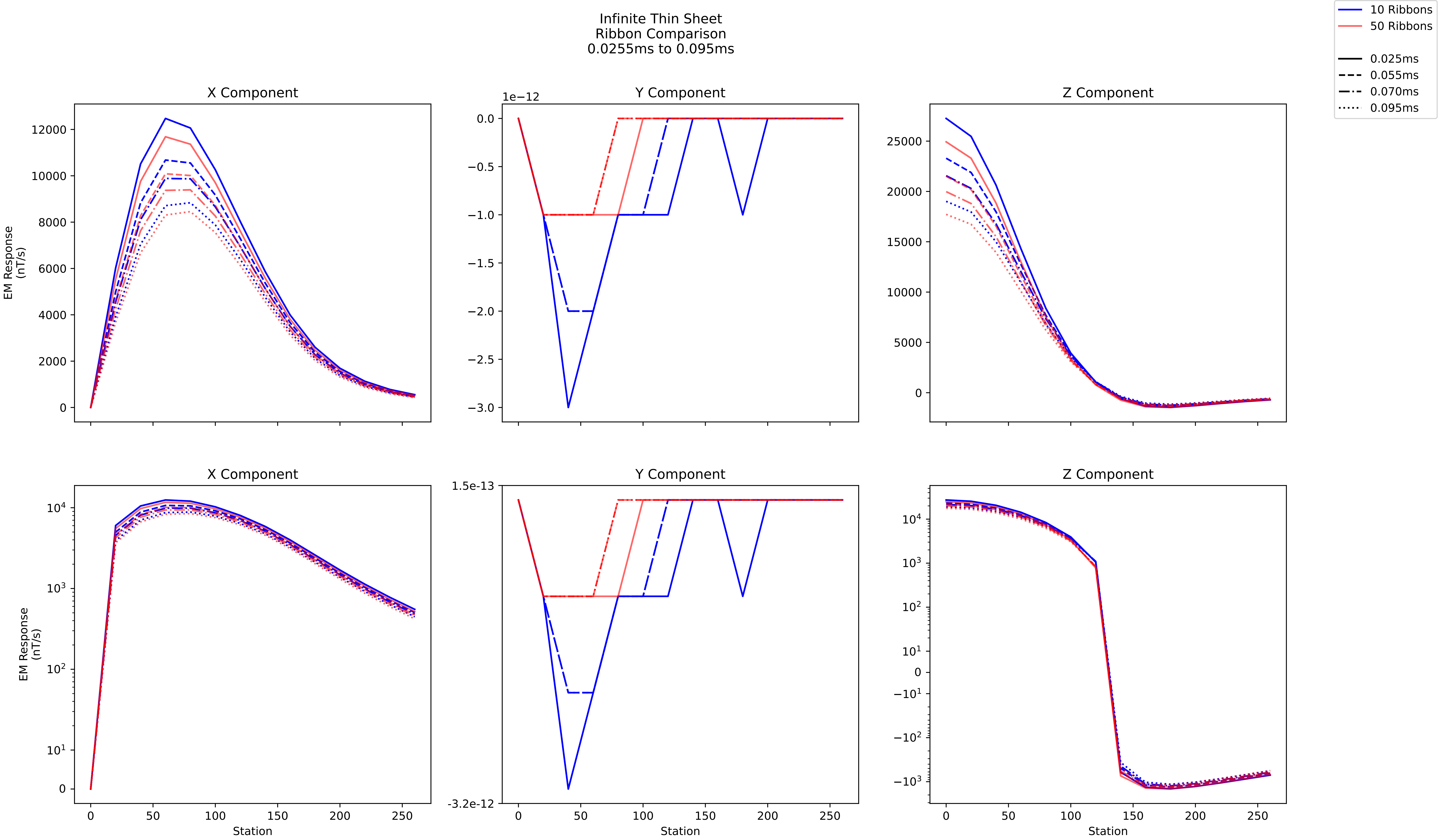

Infinite Thin Sheet
Ribbon Comparison
1.315ms to 3.075ms
10 Ribbons
50 Ribbons
1.315ms
1.745ms
2.315ms
3.075ms
X Component
Y Component
Z Component
EM Response (nT/s)
0.04
0.02
0.00
−0.02
−0.04
5.5e-02
-5.5e-02
0
50
100
150
200
250
Station

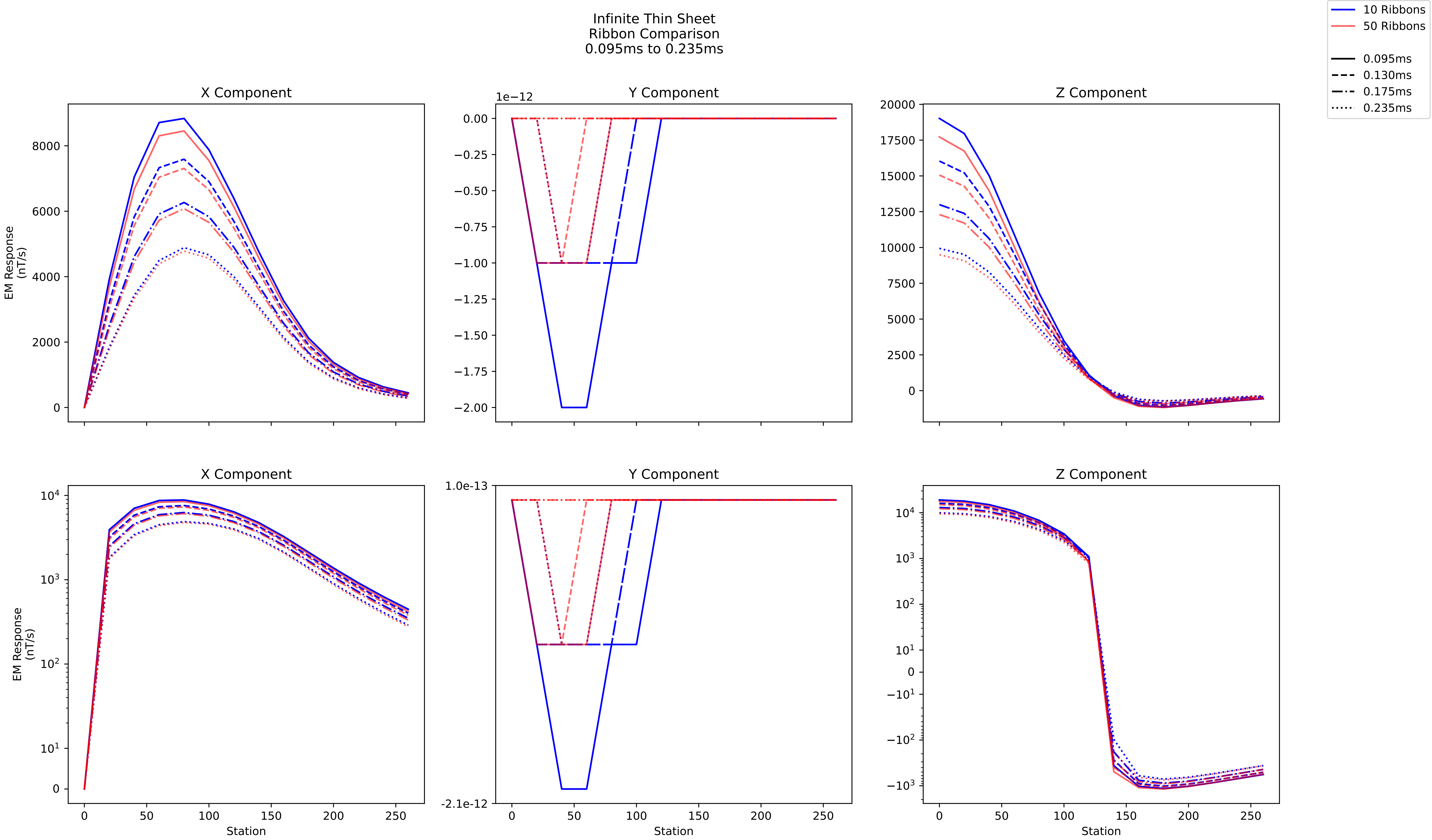


Infinite Thin Sheet
Ribbon Comparison
3.075ms to 7.205ms

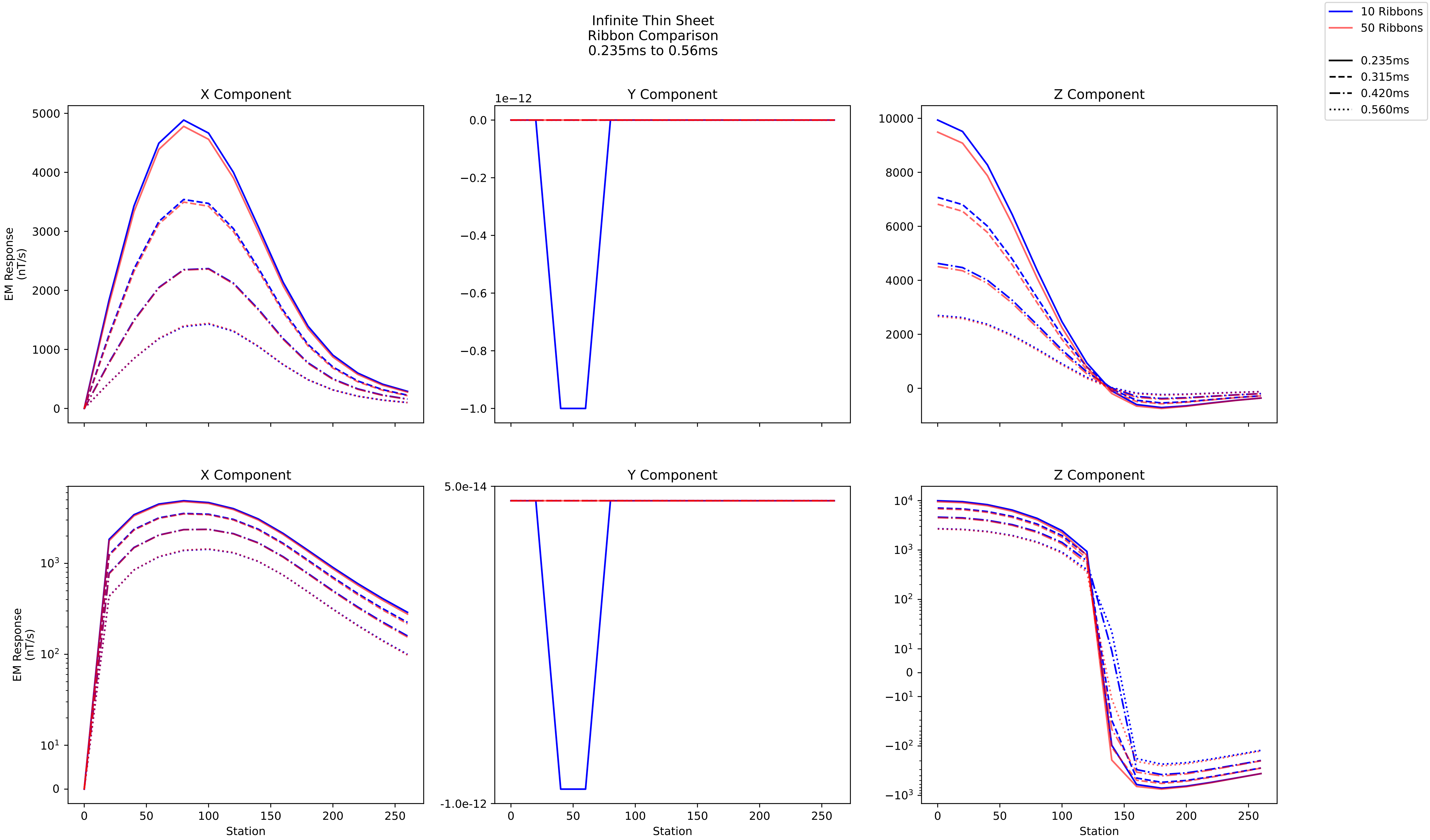
Infinite Thin Sheet
Ribbon Comparison
7.205ms to 22.73ms
10 Ribbons
50 Ribbons
7.205ms
9.570ms
12.660ms
22.730ms
X Component
Y Component
Z Component
EM Response
(nT/s)
0.04
0.02
0.00
−0.02
−0.04
5.5e-02
-5.5e-02
0
50
100
150
200
250
Station

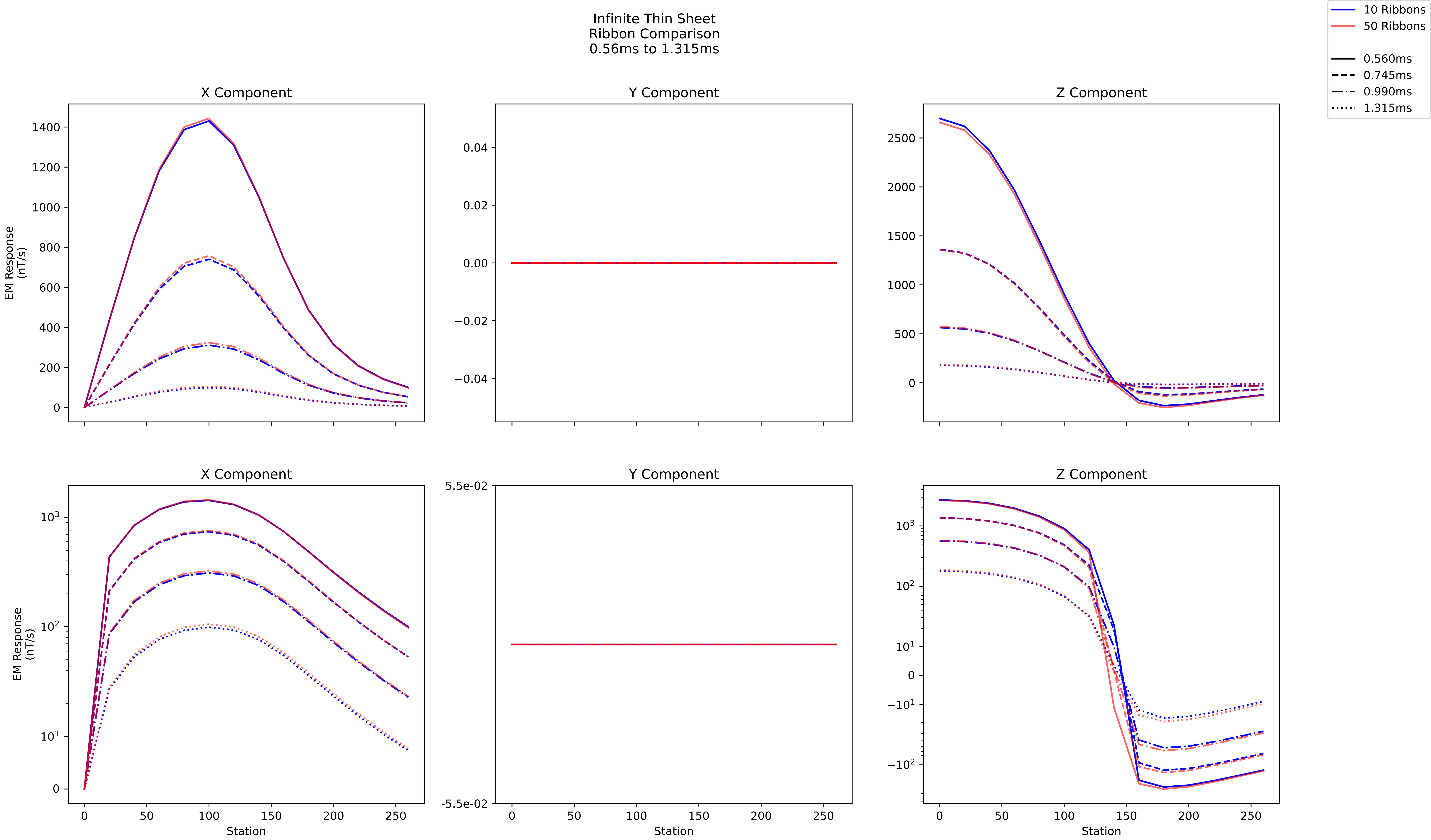

Infinite Thin Sheet
Ribbon Comparison
22.73ms to 48.115ms
10 Ribbons
50 Ribbons
22.730ms
39.395ms
48.115ms
X Component
Y Component
Z Component
EM Response (nT/s)
0.04
0.02
0.00
−0.02
−0.04
5.5e-02
-5.5e-02
0
50
100
150
200
250
Station

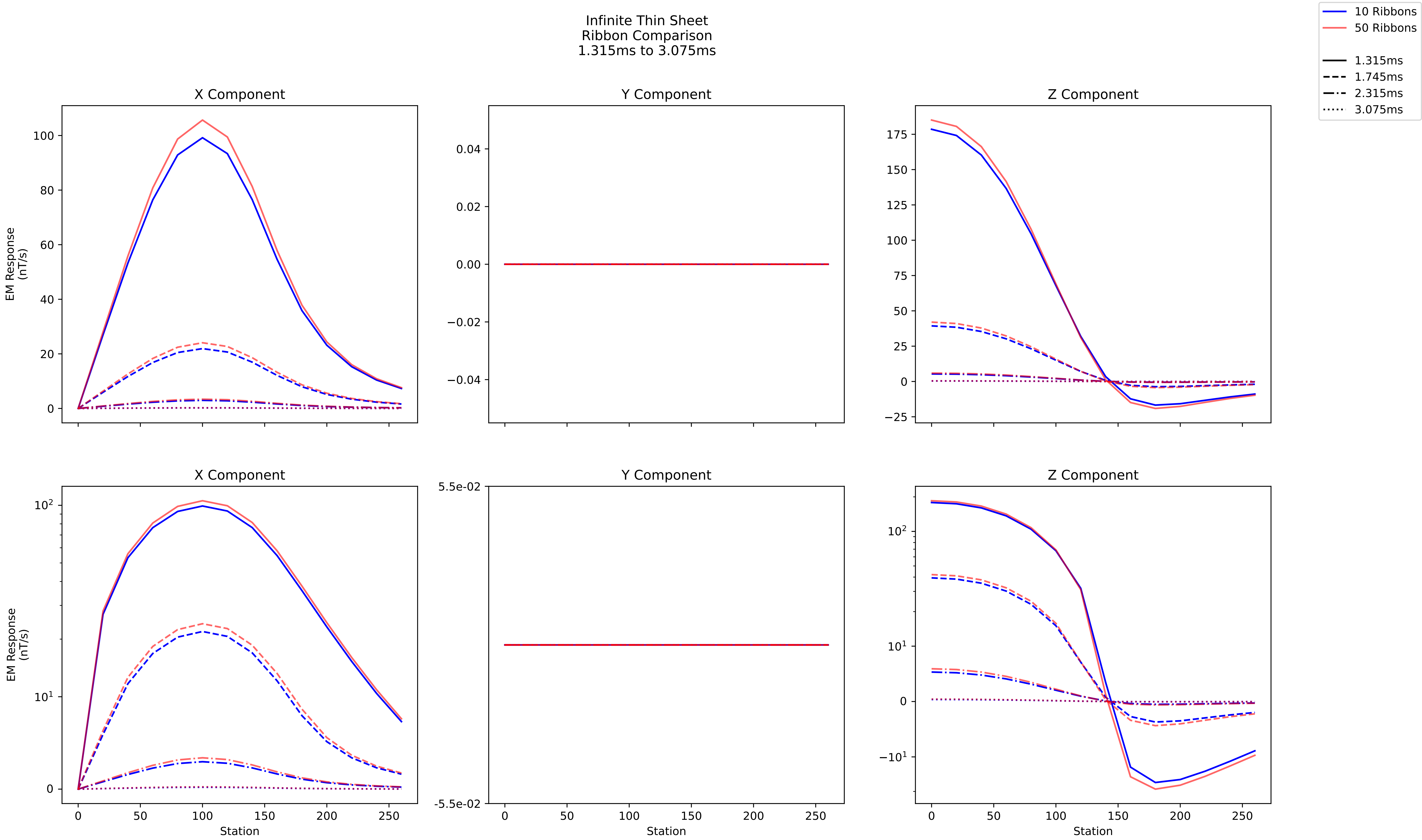

Infinite Thin Sheet
Ribbon Comparison
0.0255ms to 0.095ms
10 Ribbons
50 Ribbons
0.025ms
0.055ms
0.070ms
0.095ms
X Component
Y Component
Z Component
1e−12
EM Response (nT/s)
0
2000
4000
6000
8000
10000
12000
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
0
5000
10000
15000
20000
25000
X Component
Y Component
Z Component
EM Response (nT/s)
10^4
10^3
10^2
10^1
0
1.5e-13
-3.2e-12
10^4
10^3
10^2
10^1
0
-10^1
-10^2
-10^3
0
50
100
150
200
250
Station
Station
Station

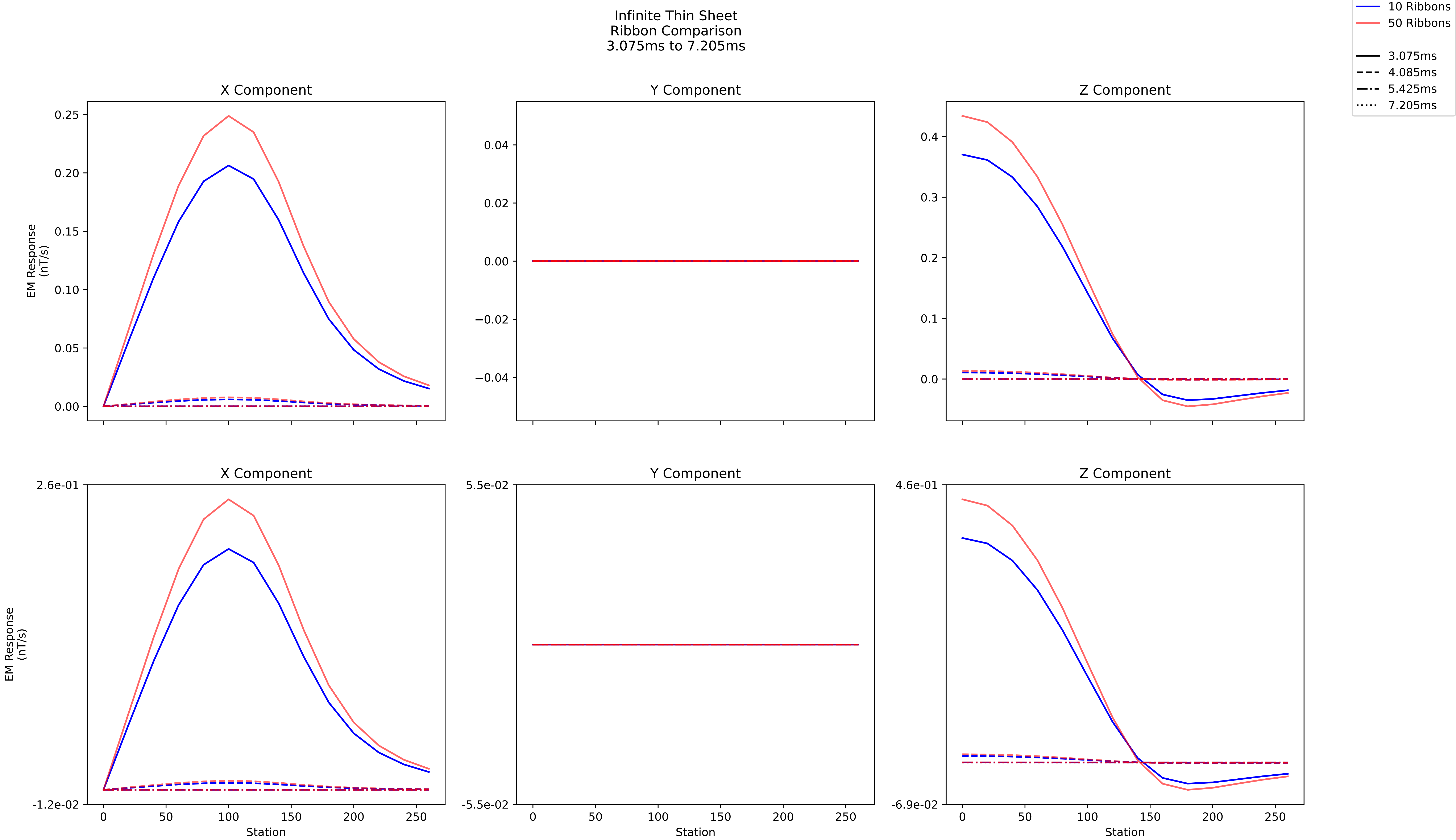


Infinite Thin Sheet
Ribbon Comparison
0.095ms to 0.235ms


Infinite Thin Sheet
Ribbon Comparison
0.235ms to 0.56ms
10 Ribbons
50 Ribbons
0.235ms
0.315ms
0.420ms
0.560ms
X Component
Y Component
Z Component
EM Response
(nT/s)
Station
1e−12
0
50
100
150
200
250
0
1000
2000
3000
4000
5000
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
0
2000
4000
6000
8000
10000
10^1
10^2
10^3
5.0e-14
-1.0e-12
10^4
-10^1
-10^2
-10^3


Infinite Thin Sheet
Ribbon Comparison
0.56ms to 1.315ms
10 Ribbons
50 Ribbons
0.560ms
0.745ms
0.990ms
1.315ms
X Component
Y Component
Z Component
EM Response (nT/s)
Station
0
200
400
600
800
1000
1200
1400
0.04
0.02
0.00
−0.02
−0.04
500
1000
1500
2000
2500
10^1
10^2
10^3
5.5e-02
-5.5e-02
-10^1
-10^2
50
100
150
250


Infinite Thin Sheet
Ribbon Comparison
1.315ms to 3.075ms
10 Ribbons
50 Ribbons
1.315ms
1.745ms
2.315ms
3.075ms
X Component
Y Component
Z Component
EM Response (nT/s)
0
20
40
60
80
100
0.04
0.02
0.00
−0.02
−0.04
175
150
125
100
75
50
25
0
−25
10^2
10^1
5.5e-02
-5.5e-02
-10^1
0
50
100
150
200
250
Station

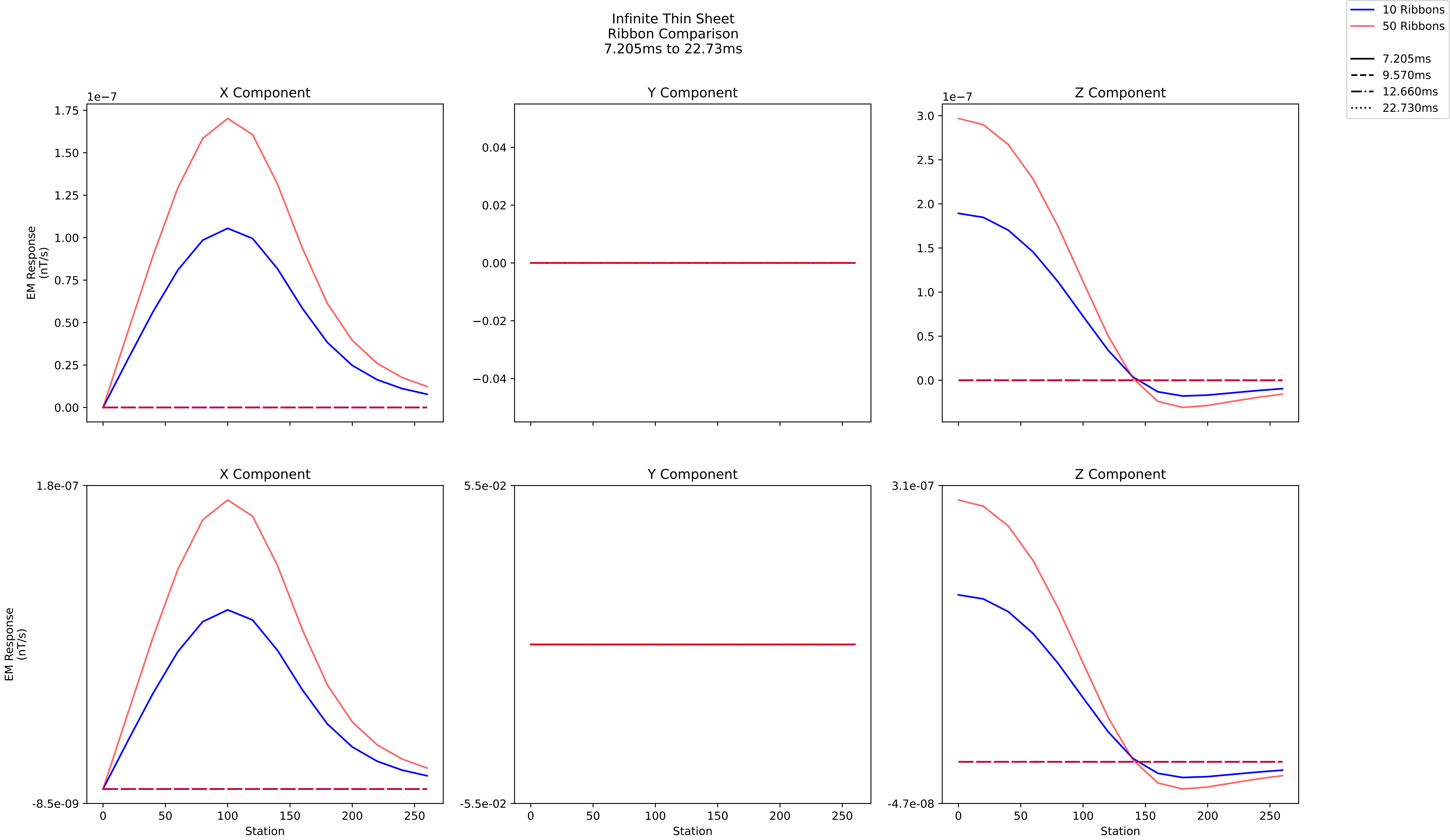


Infinite Thin Sheet
Ribbon Comparison
3.075ms to 7.205ms

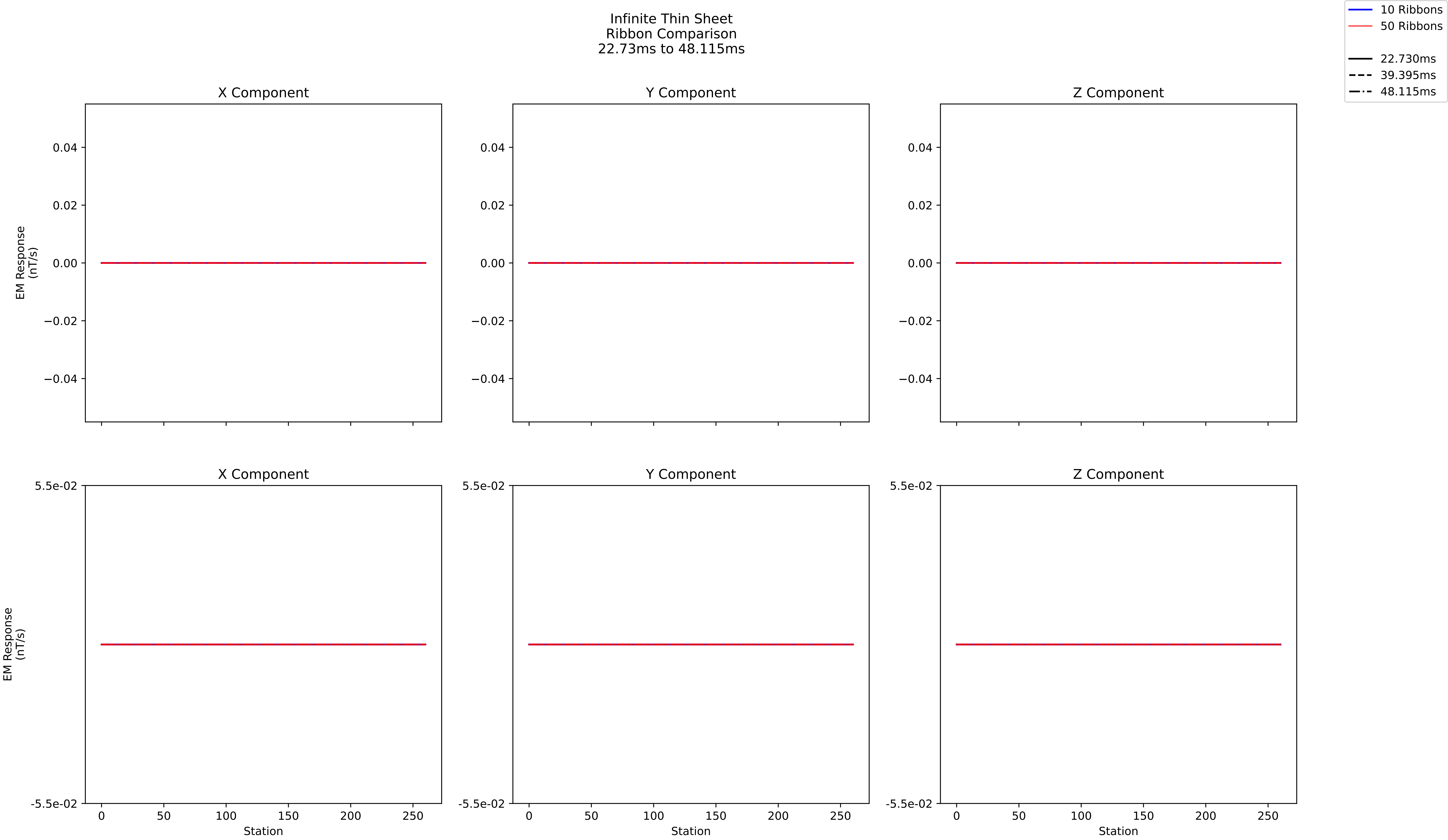
X Component

Y Component

Z Component



Infinite Thin Sheet
Ribbon Comparison
7.205ms to 22.73ms


Infinite Thin Sheet
Ribbon Comparison
22.73ms to 48.115ms
10 Ribbons
50 Ribbons
22.730ms
39.395ms
48.115ms
X Component
Y Component
Z Component
EM Response
(nT/s)
0.04
0.02
0.00
−0.02
−0.04
5.5e-02
-5.5e-02
0
50
100
150
200
250
Station