

Supplementary graphs

Hanna Autio, Nikolaos-Georgios Vardaxis, Delphine Bard-Hagberg

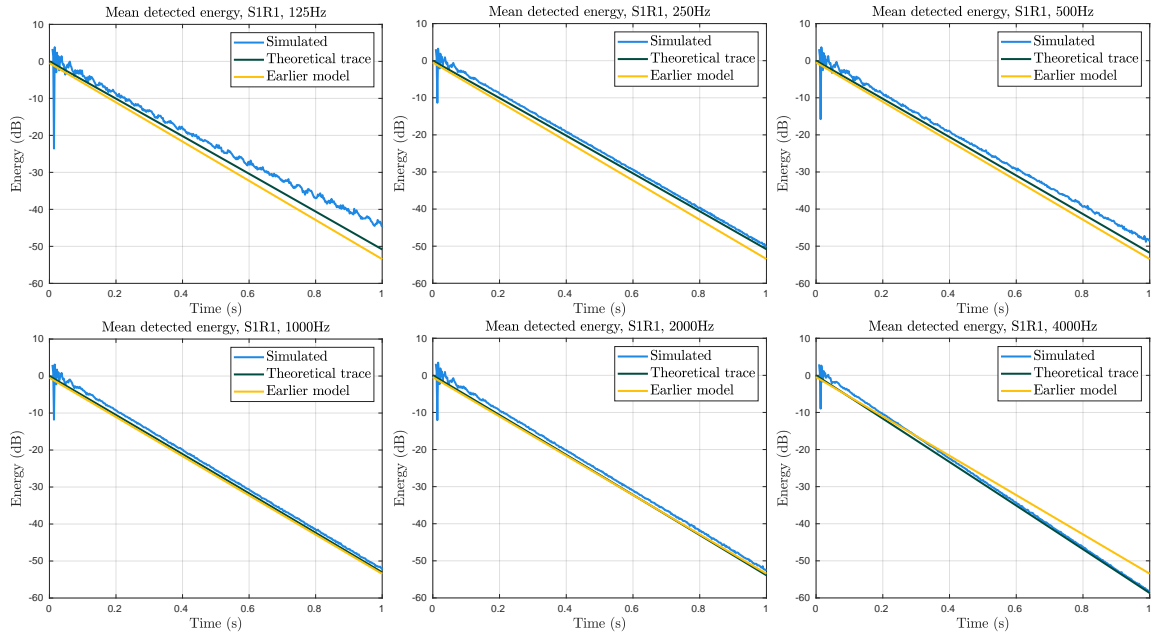
February 22, 2023

Contents

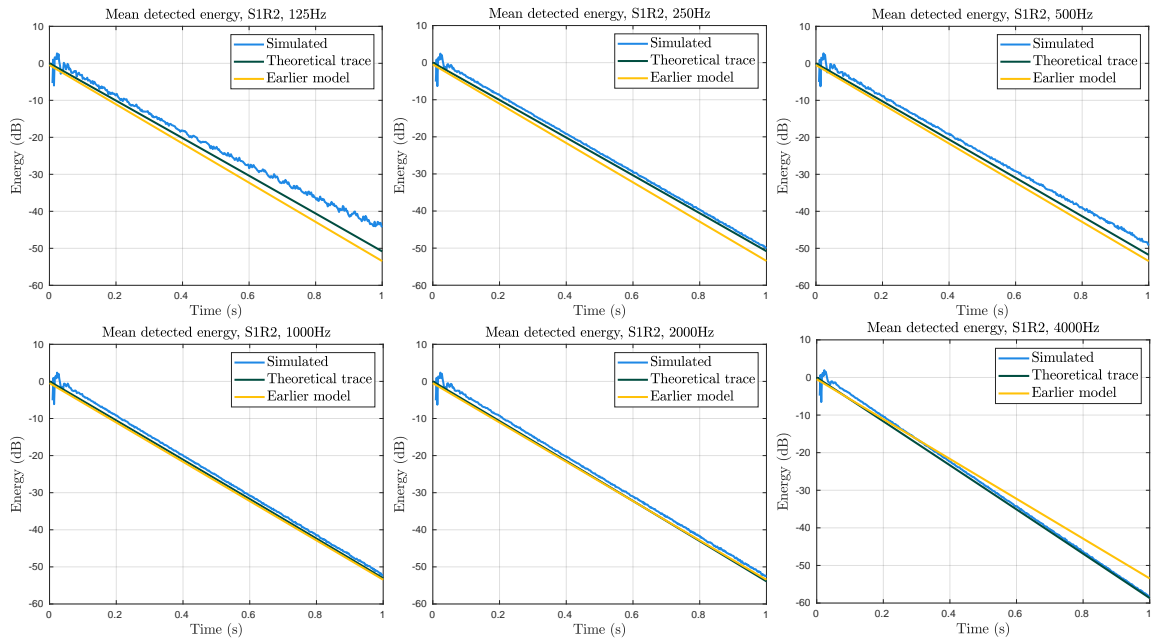
1	Predicted and simulated expected detected energy	2
2	Predicted and simulated expected detected energy to number of rays	6
3	Predicted and simulated variance of detected energy	9
4	Predicted and simulated variance of detected energy to number of rays	13
5	Mean detected energy, iterative and classical algorithm	16
6	Variance of detected energy, iterative and classical algorithm	24
7	Reverberation time to number of rays	32
8	Early Decay Time	33
9	Early decay time to number of rays	34
10	Speech clarity	38
11	Speech clarity to number of rays	39

1 Predicted and simulated expected detected energy

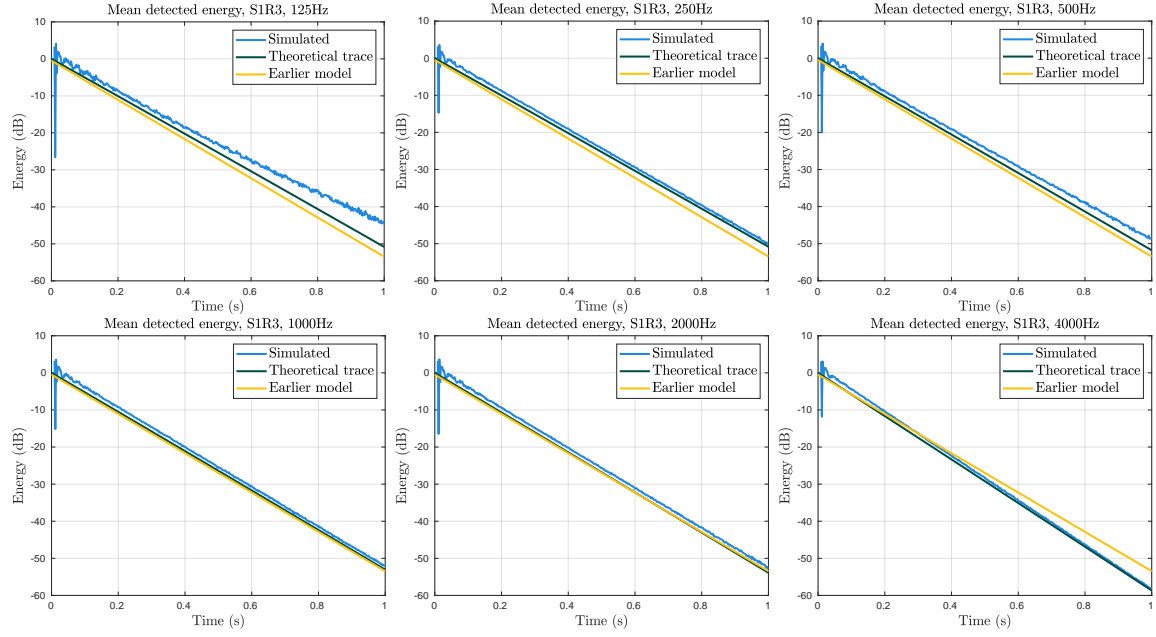
S1R1



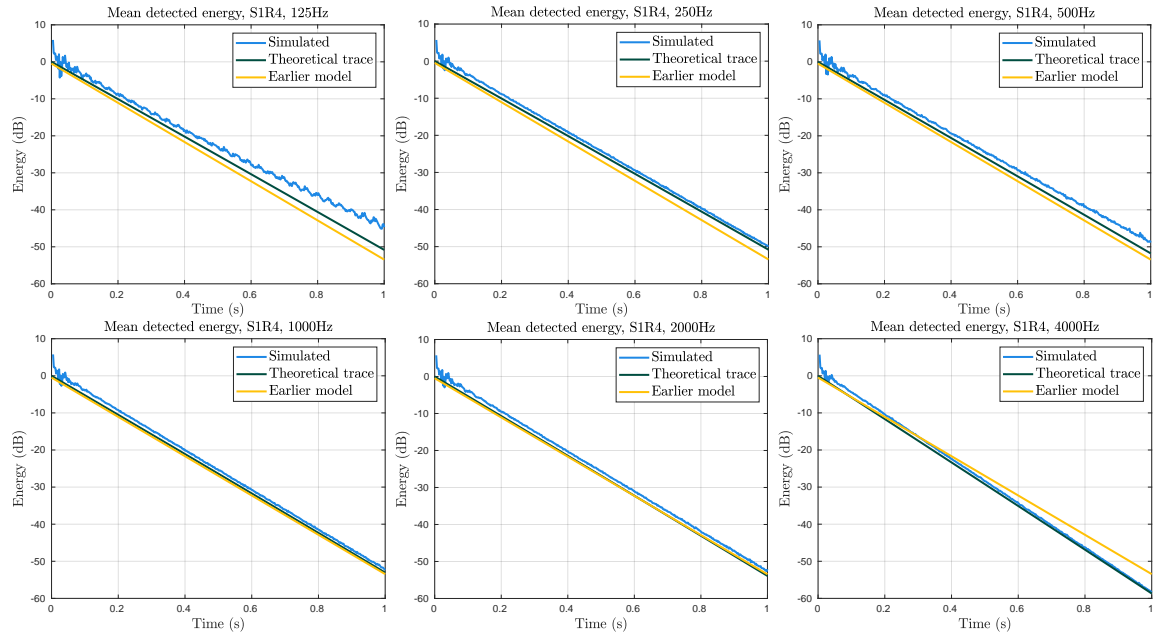
S1R2



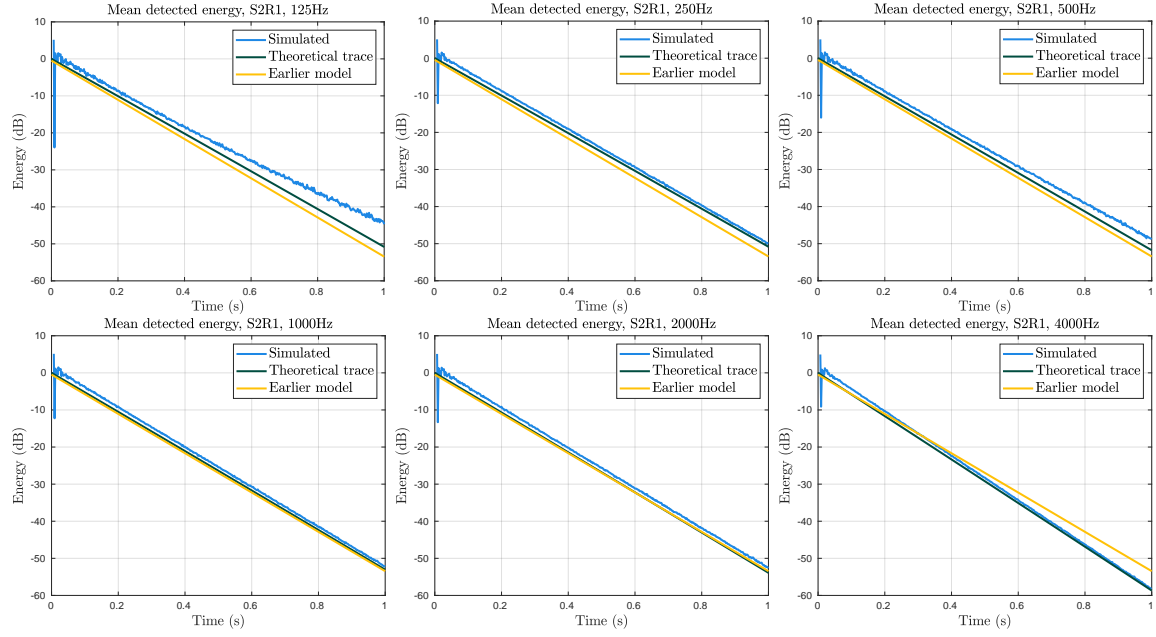
S1R3



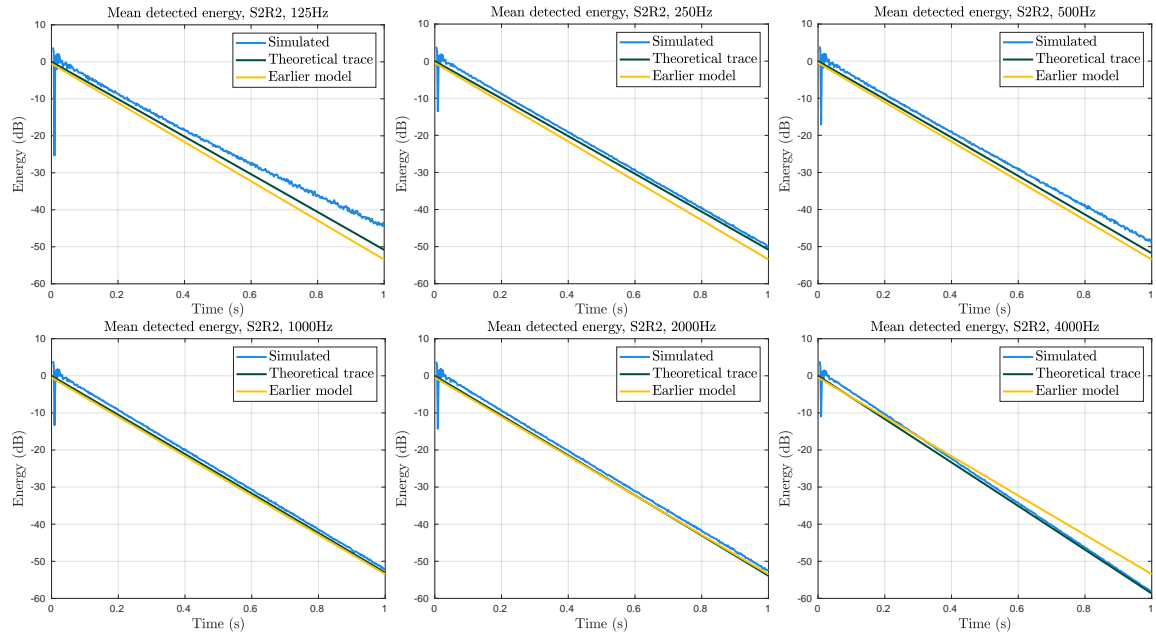
S1R4



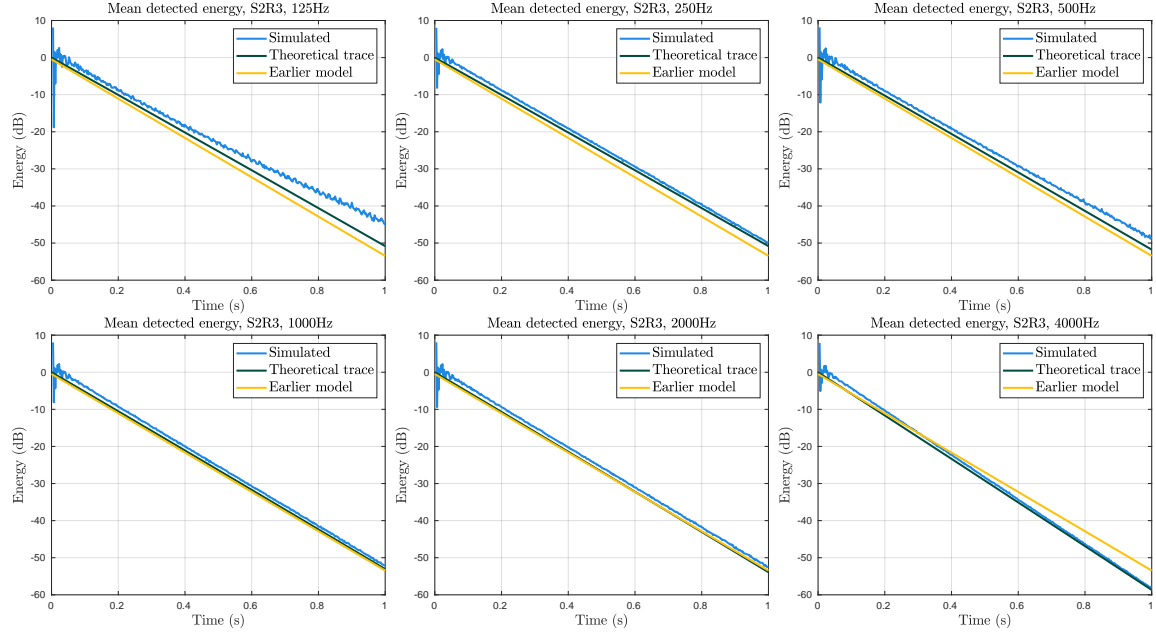
S2R1



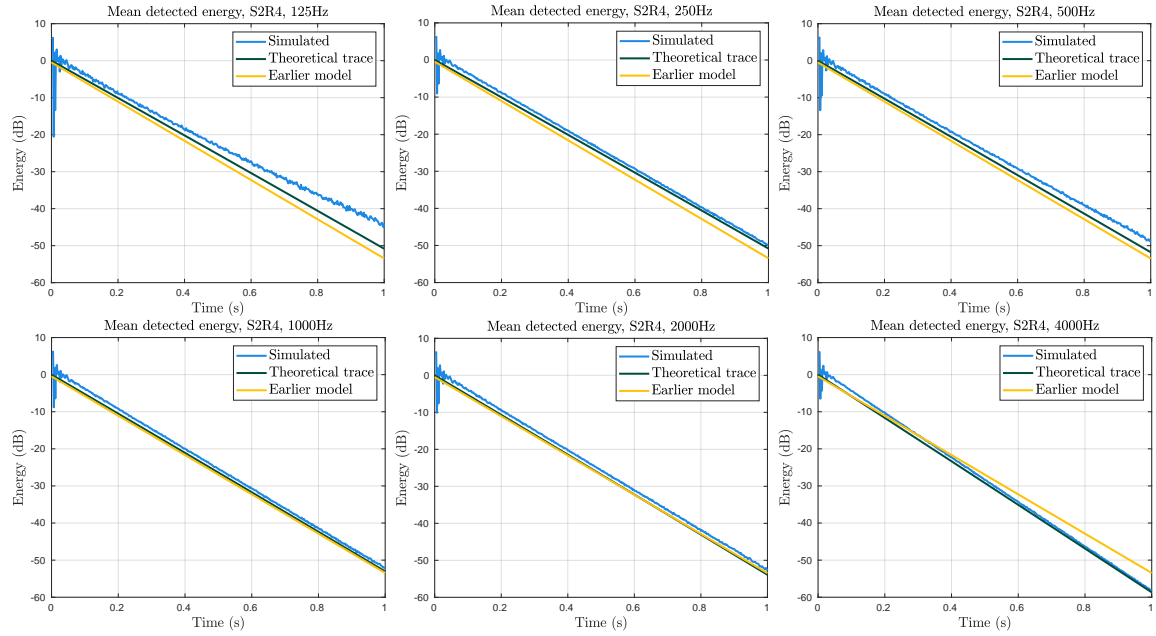
S2R2



S2R3

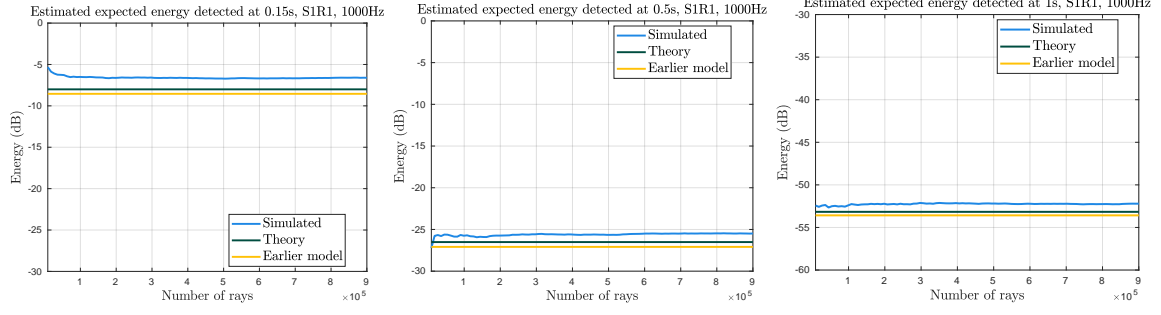


S2R4

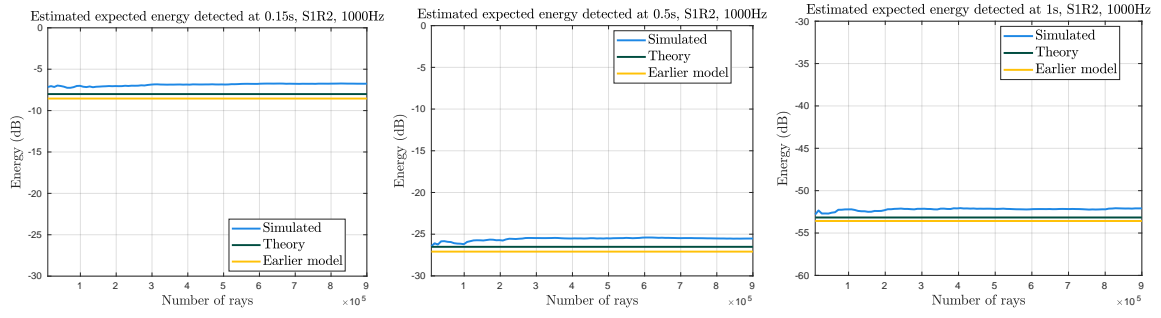


2 Predicted and simulated expected detected energy to number of rays

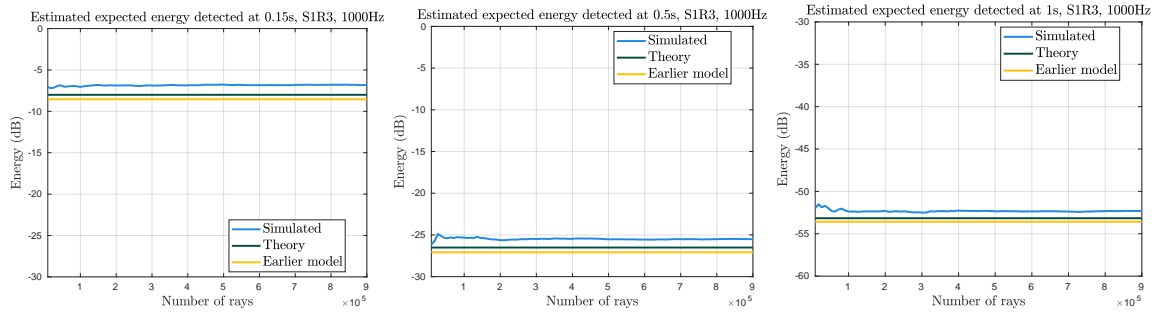
S1R1



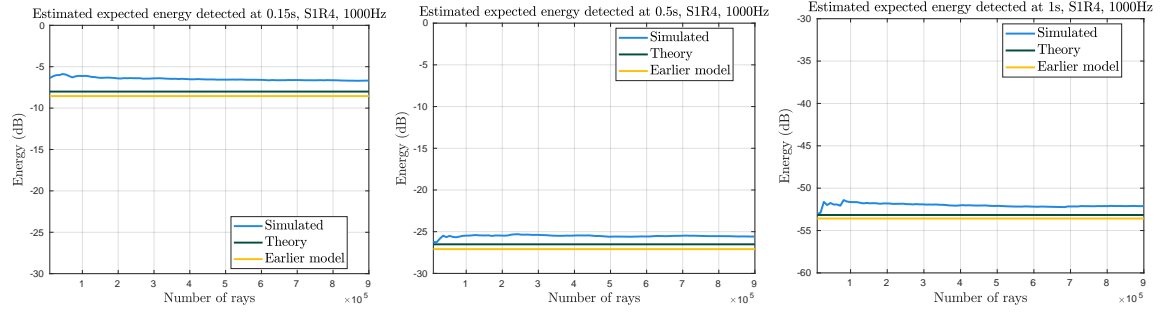
S1R2



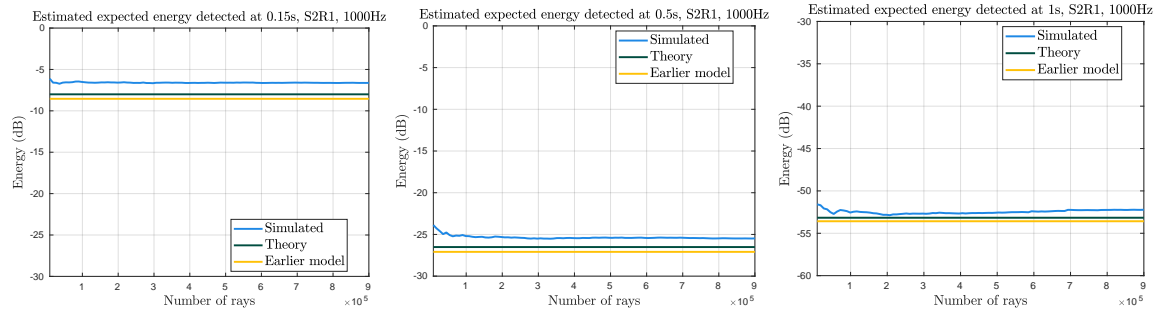
S1R3



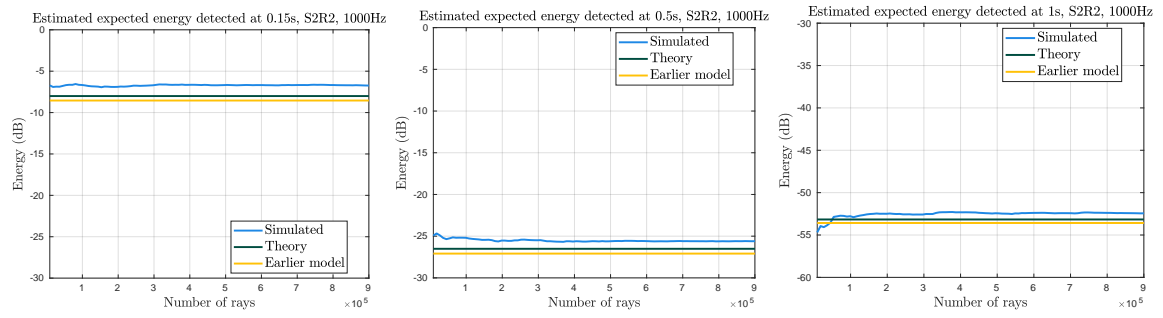
S1R4



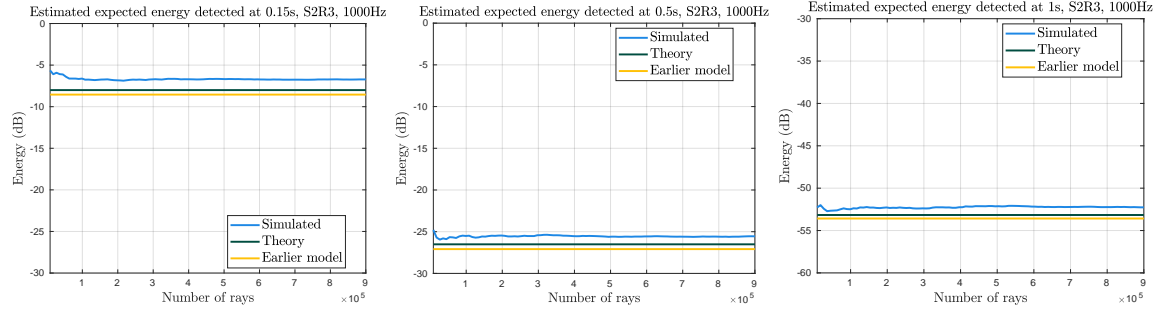
S2R1



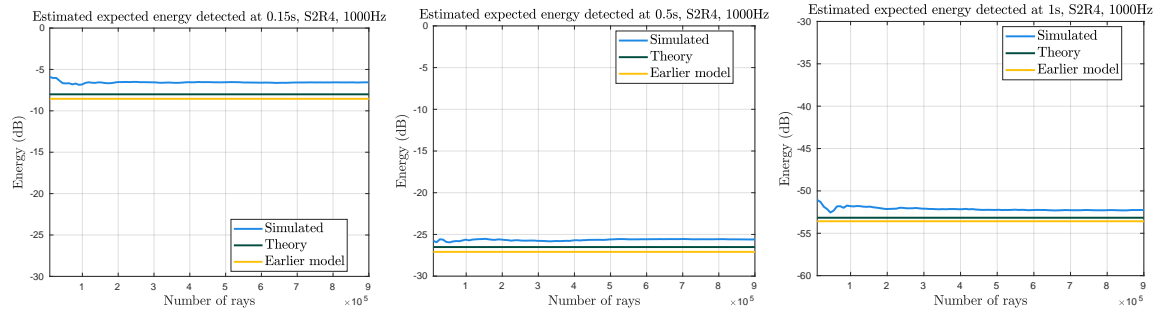
S2R2



S2R3

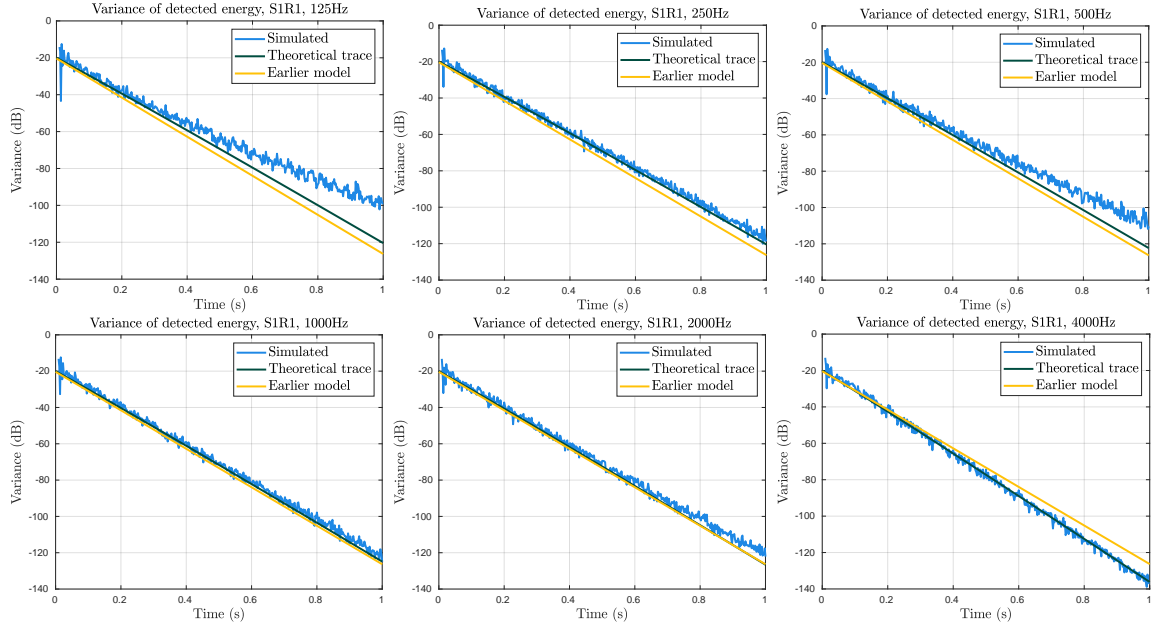


S2R4

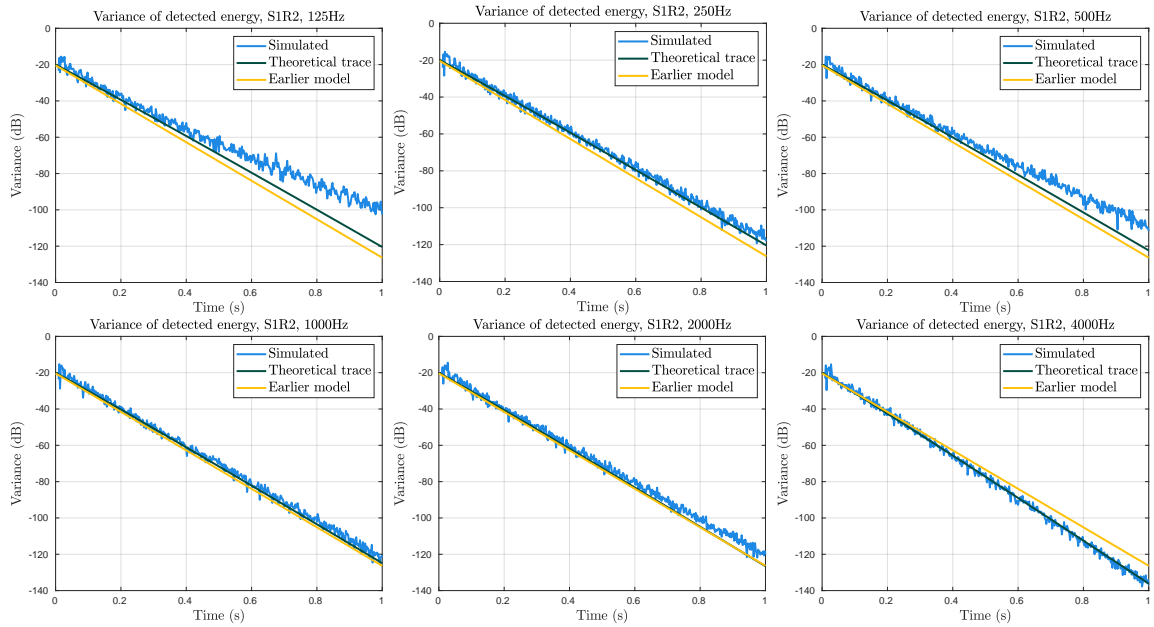


3 Predicted and simulated variance of detected energy

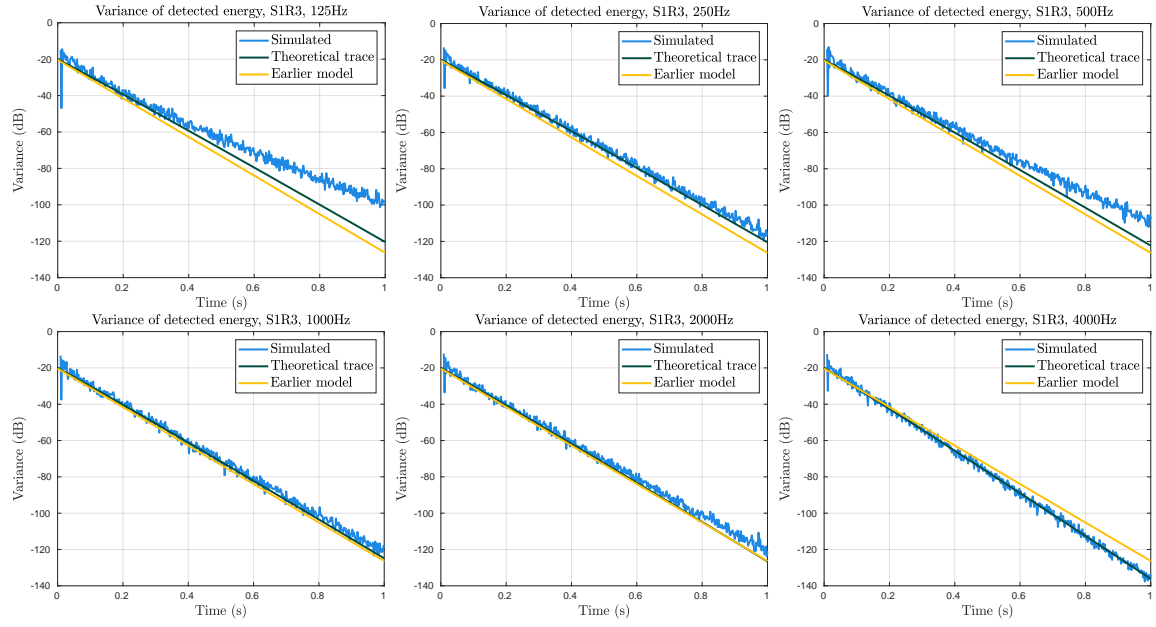
S1R1



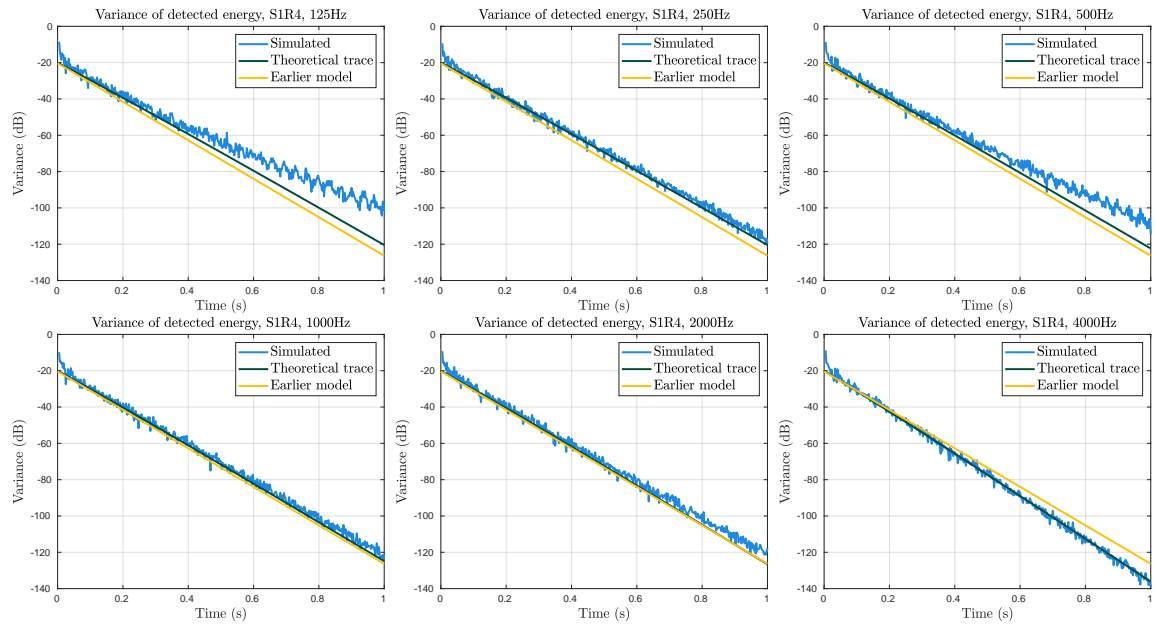
S1R2



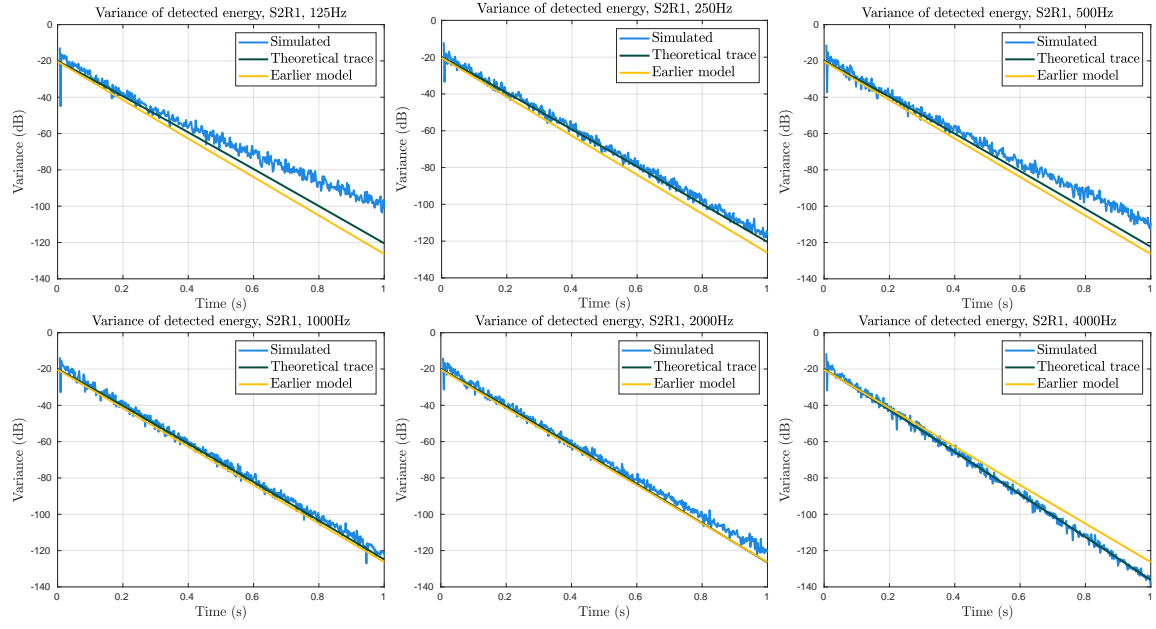
S1R3



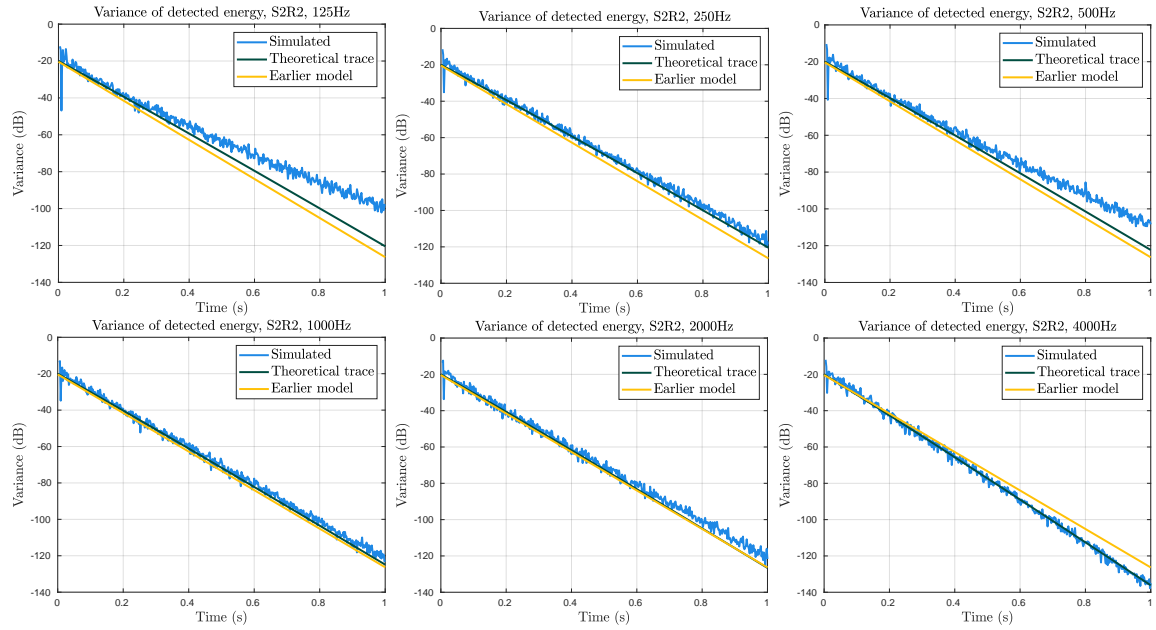
S1R4



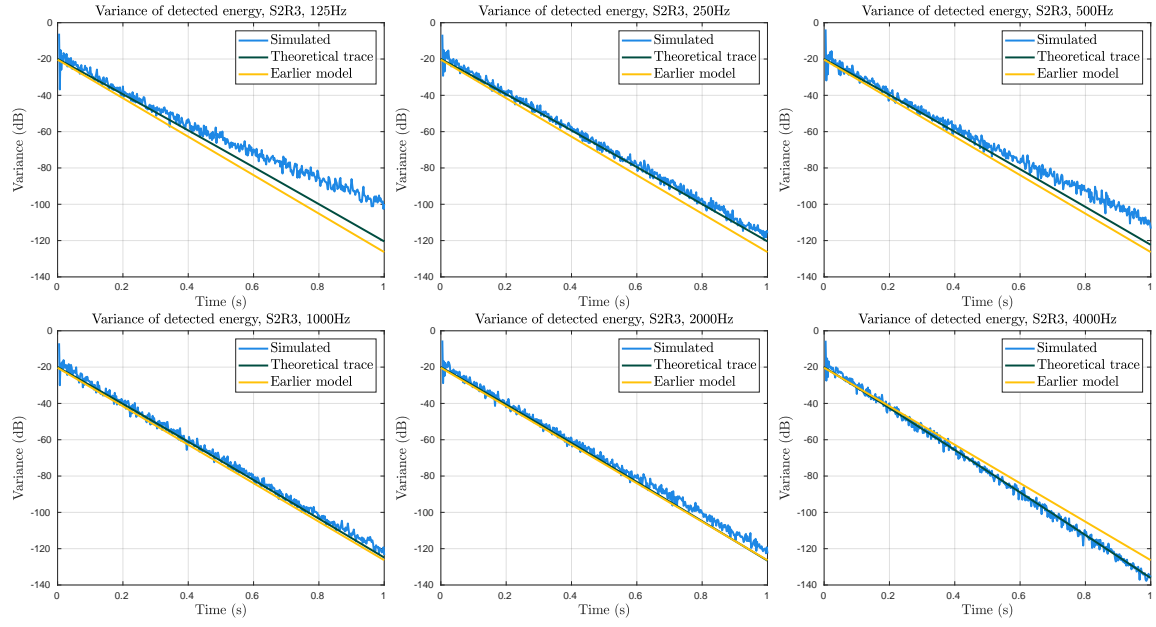
S2R1



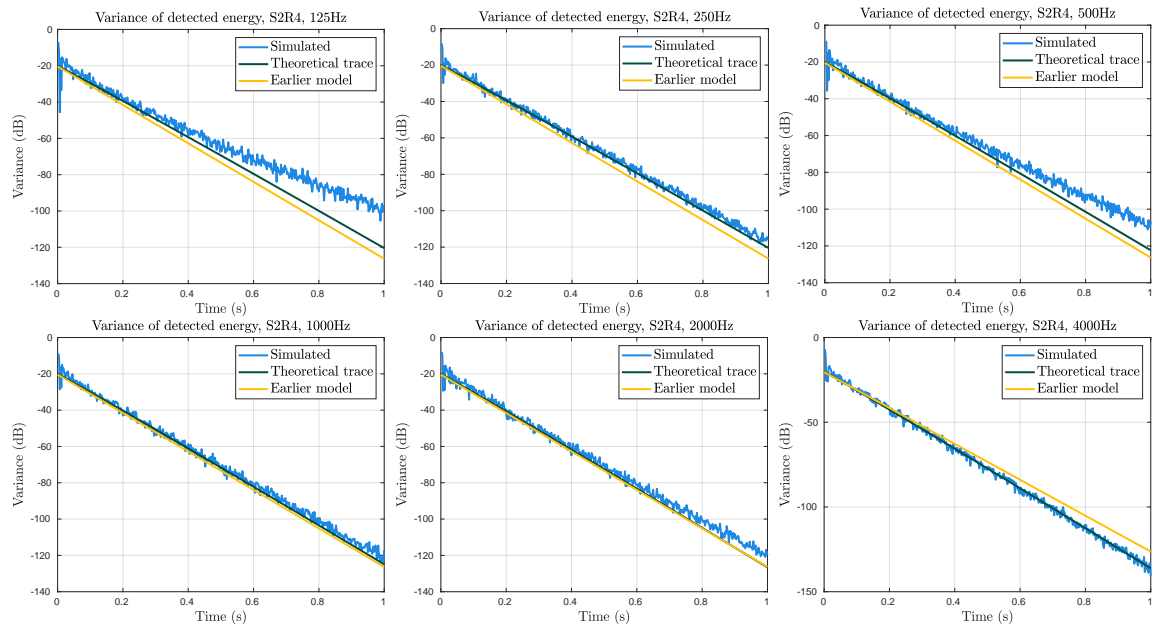
S2R2



S2R3

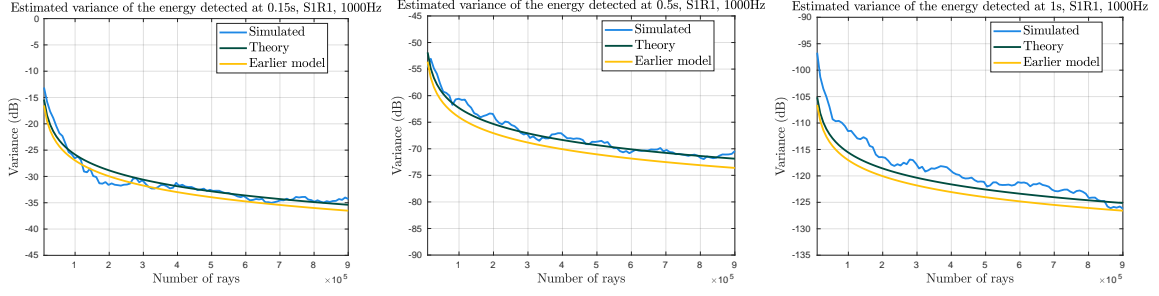


S2R4

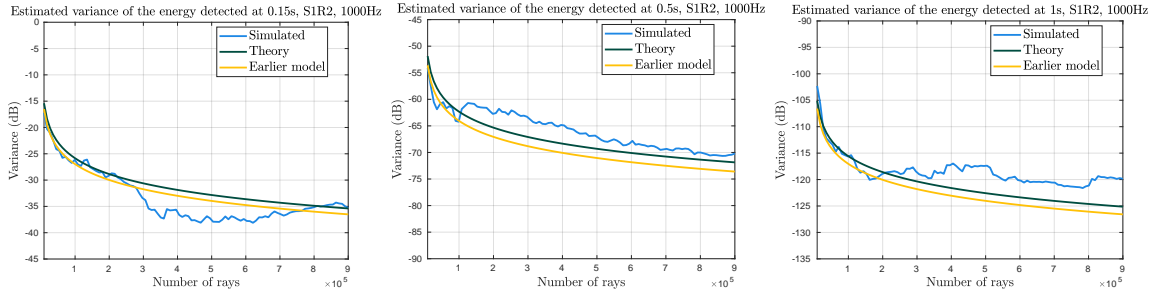


4 Predicted and simulated variance of detected energy to number of rays

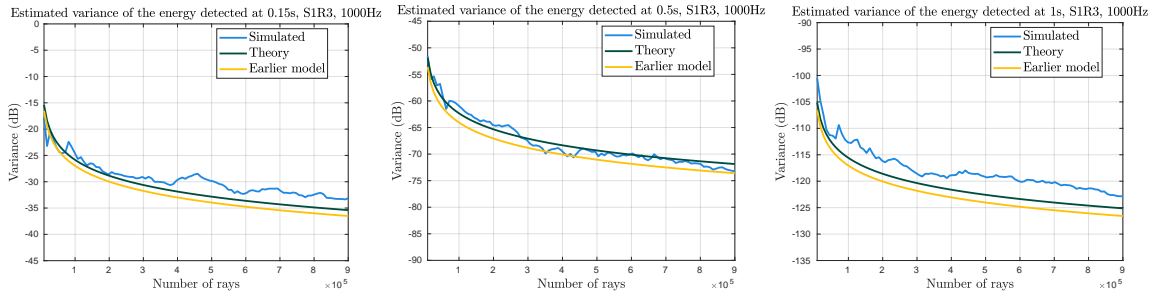
S1R1



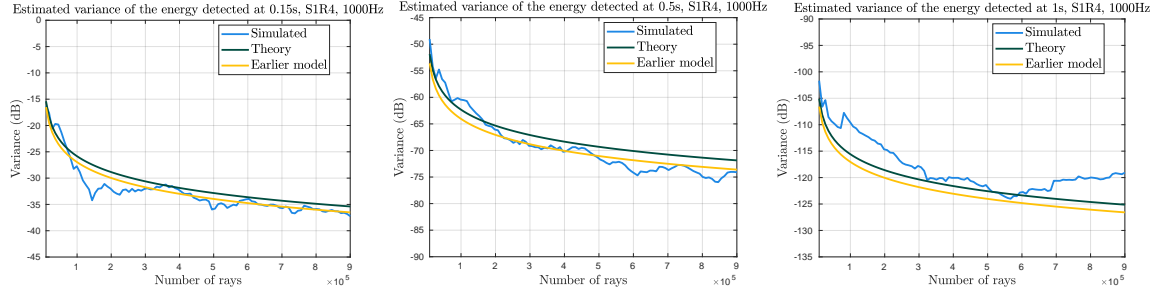
S1R2



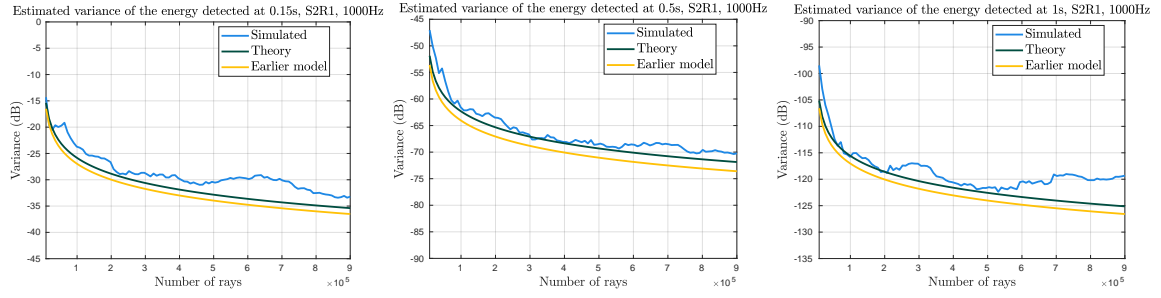
S1R3



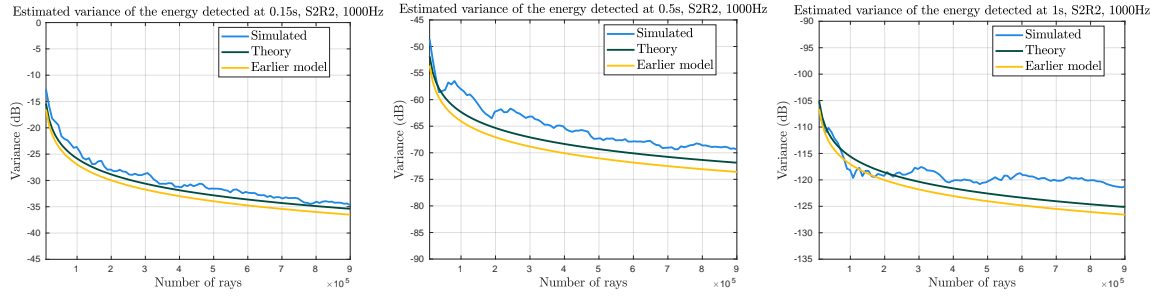
S1R4



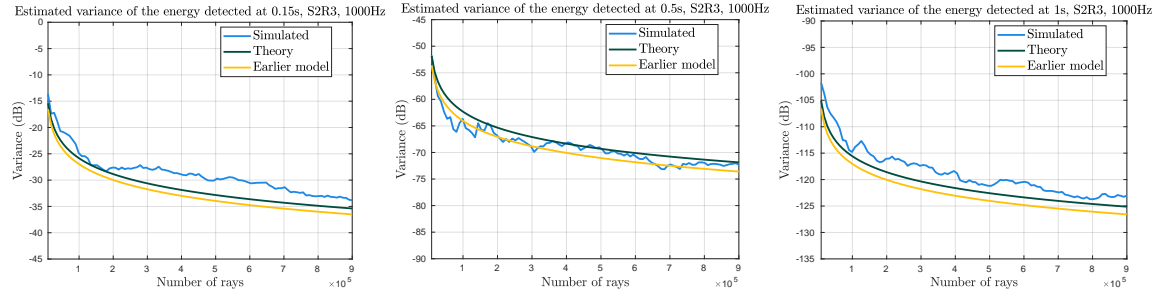
S2R1



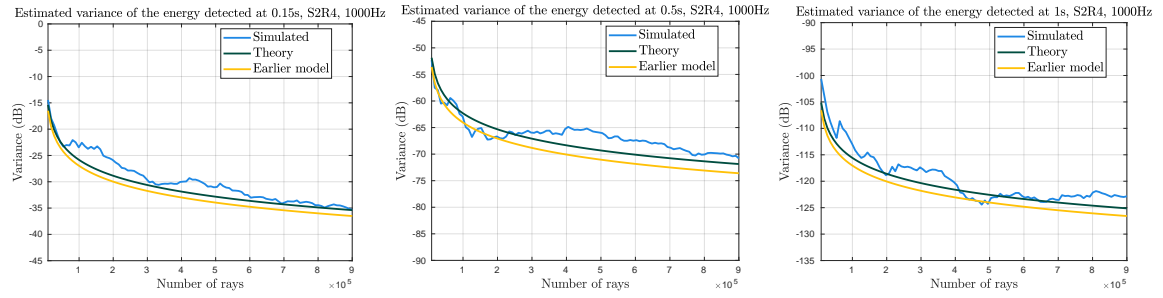
S2R2



S2R3

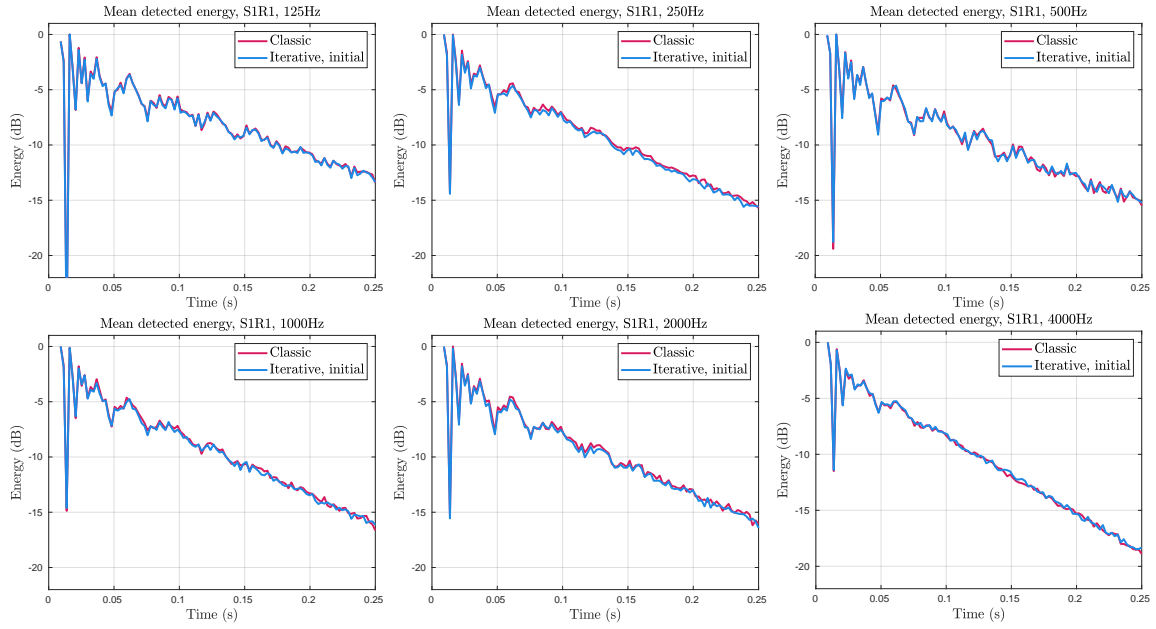


S2R4

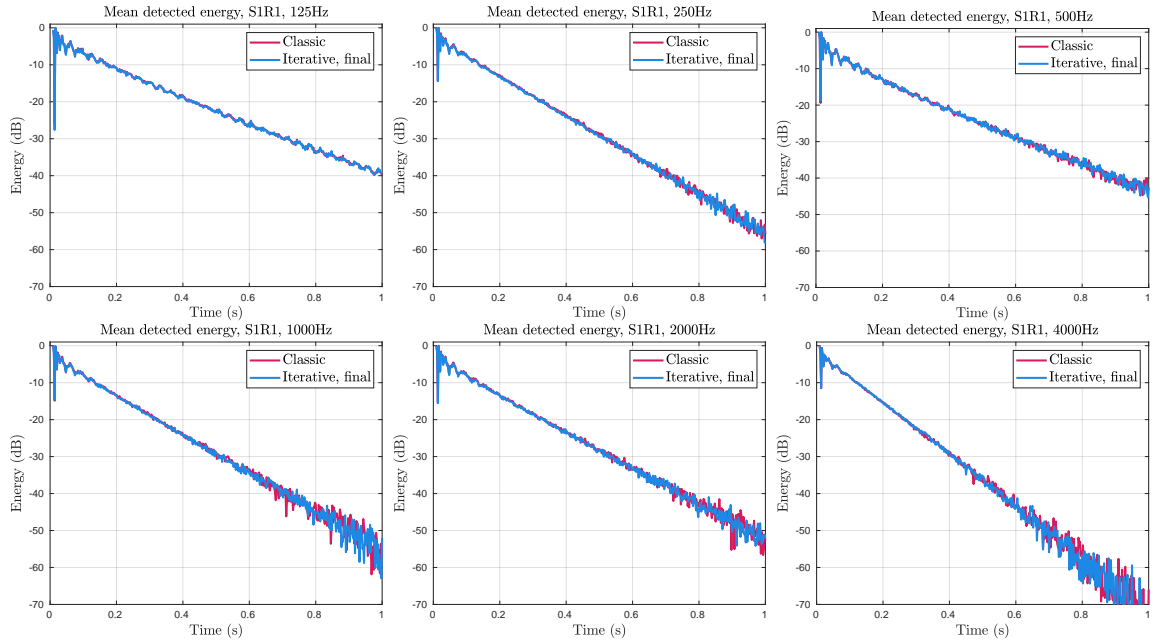


5 Mean detected energy, iterative and classical algorithm

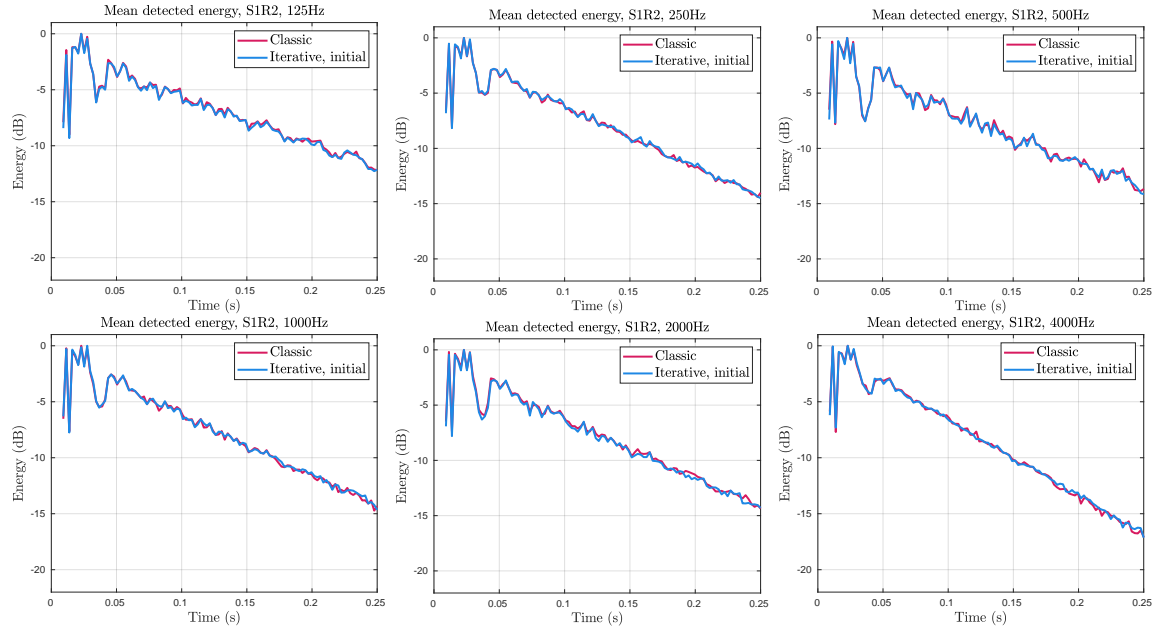
S1R1, 0.25 s



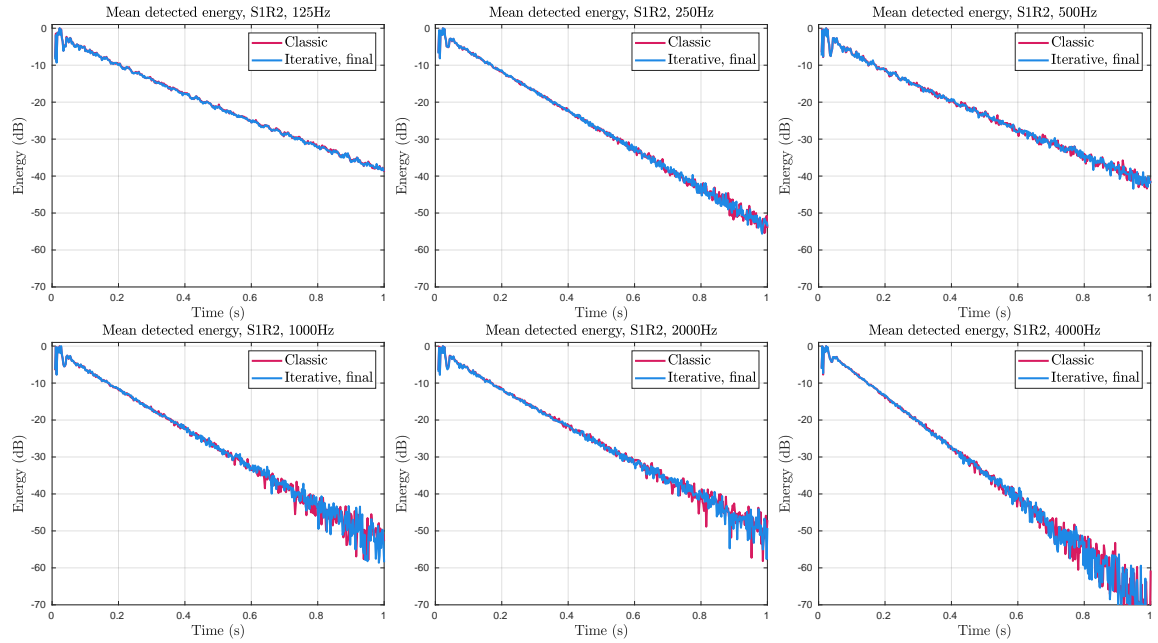
S1R1, 1 s



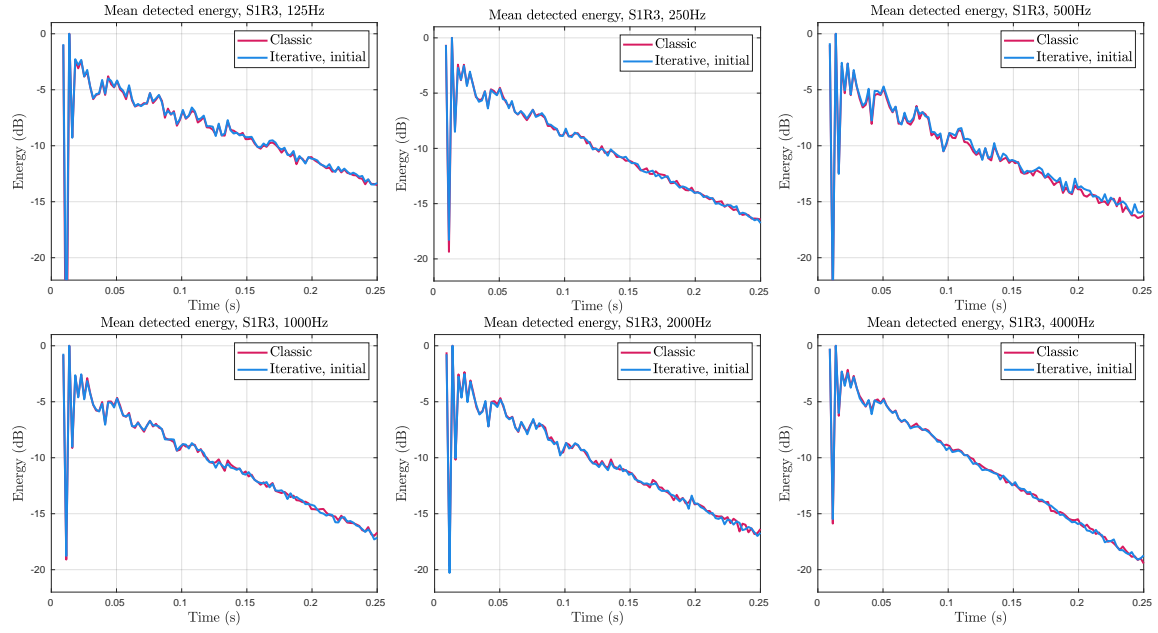
S1R2, 0.25 s



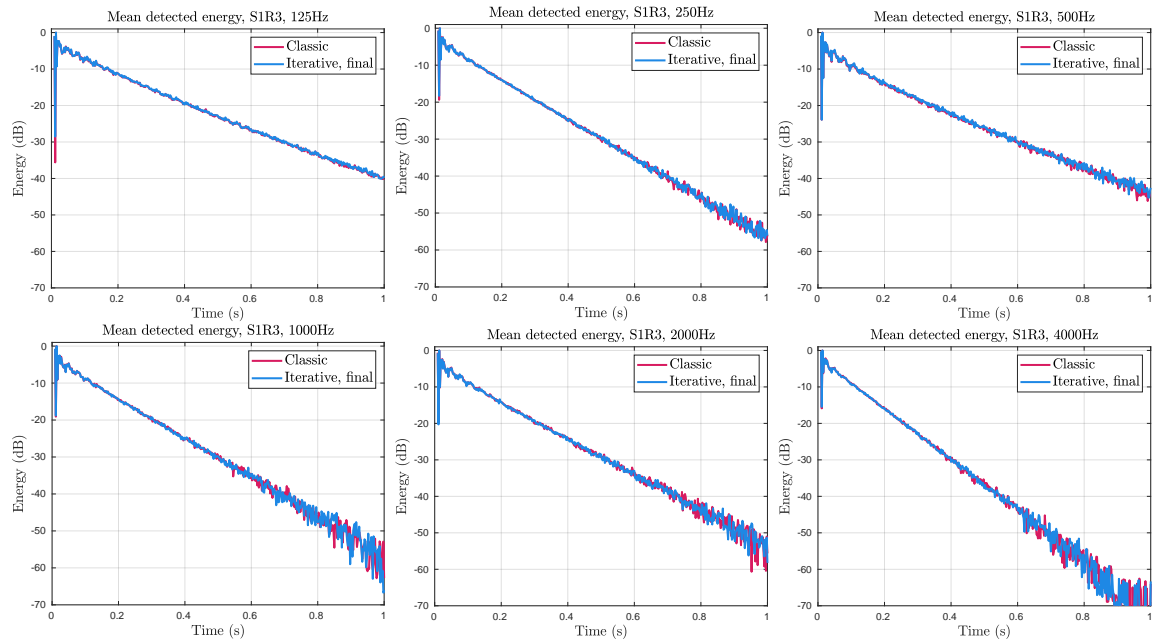
S1R2, 1 s



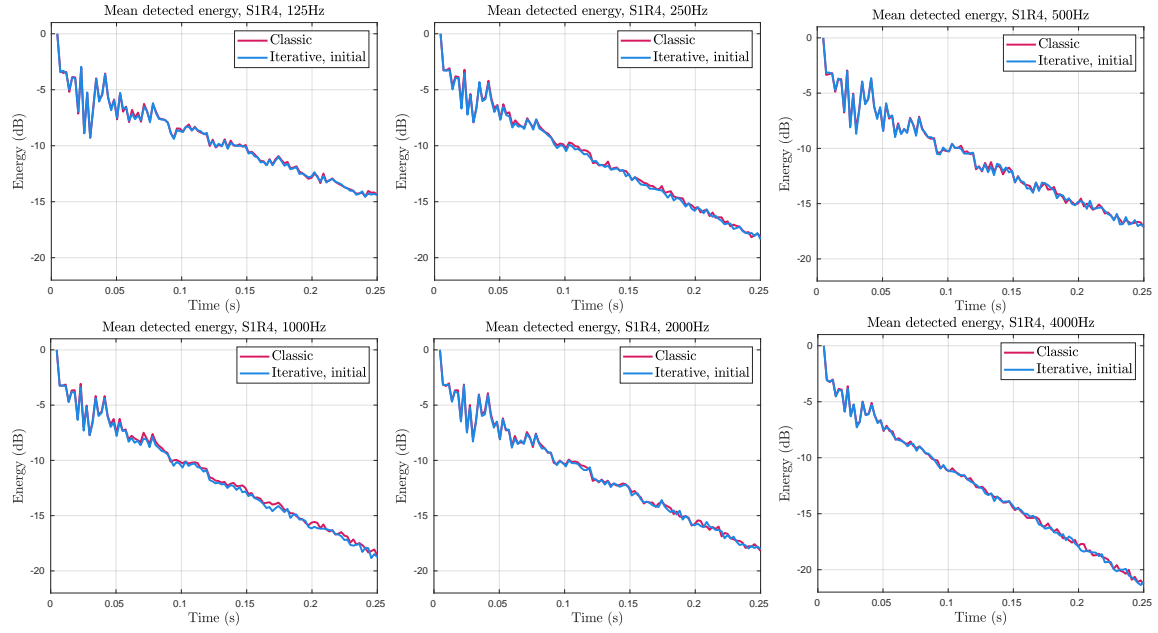
S1R3, 0.25 s



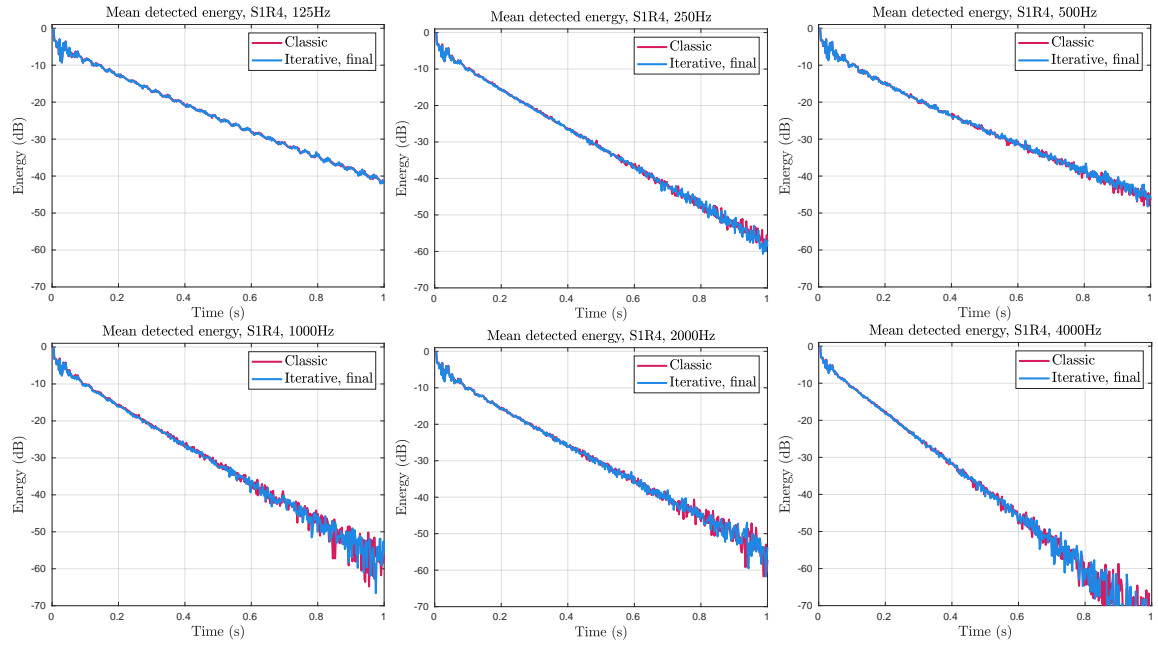
S1R3, 1 s



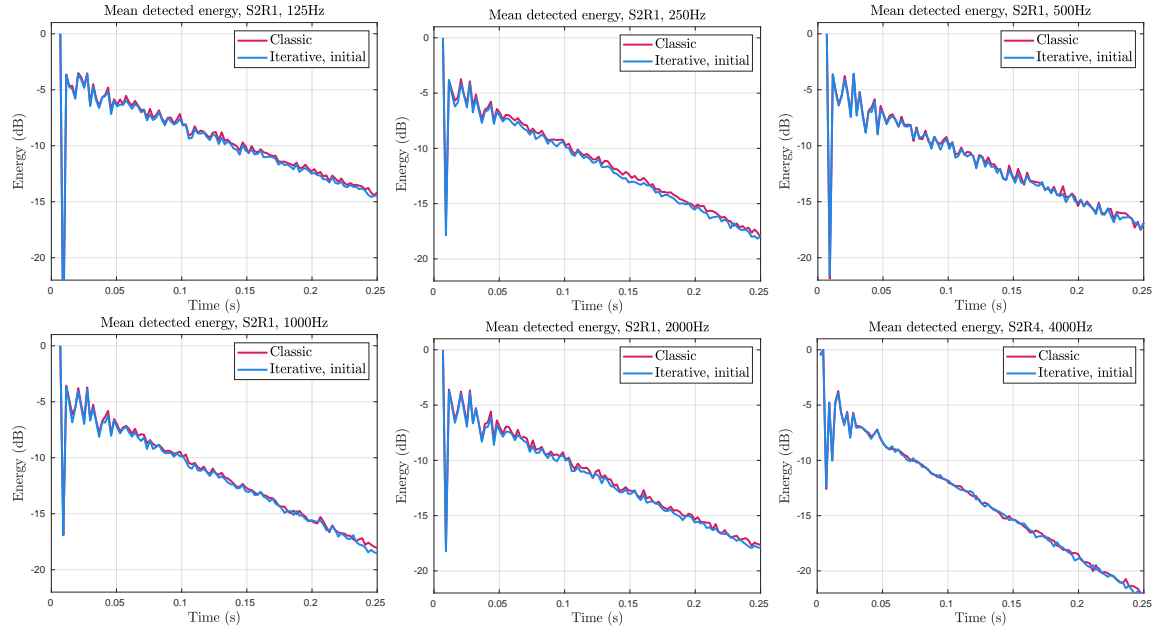
S1R4, 0.25 s



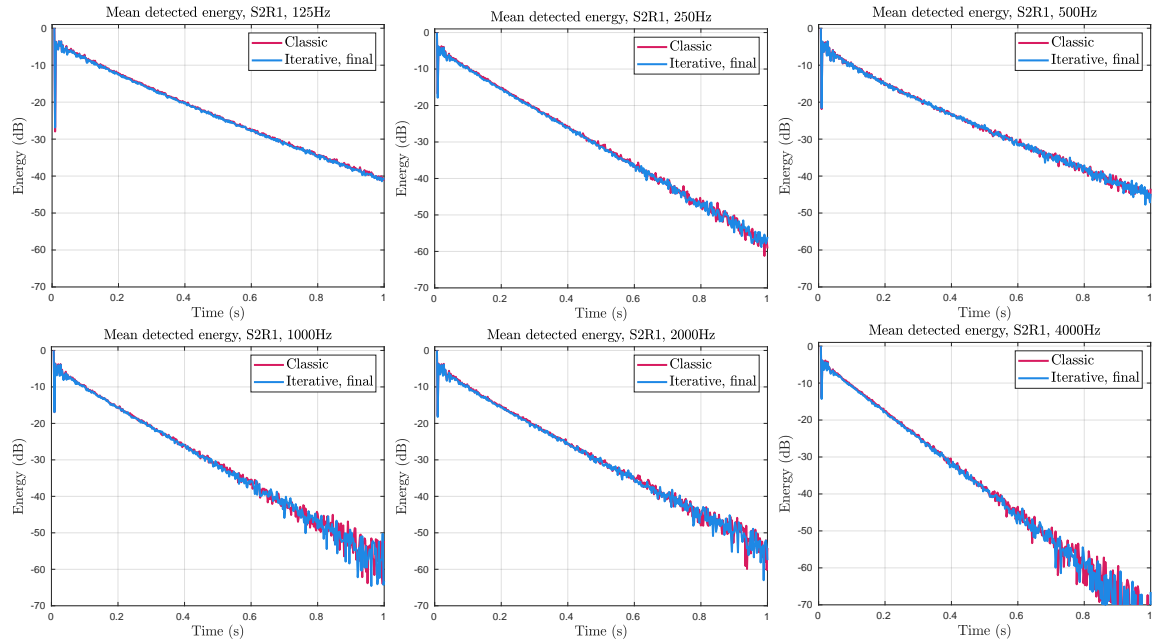
S1R4, 1 s



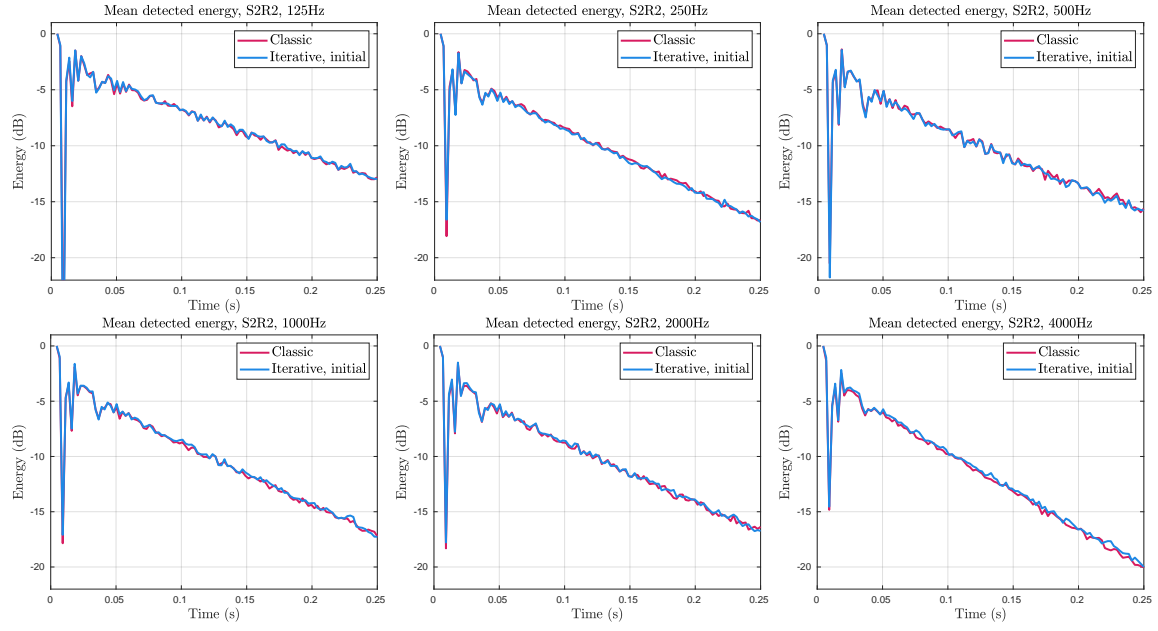
S2R1, 0.25 s



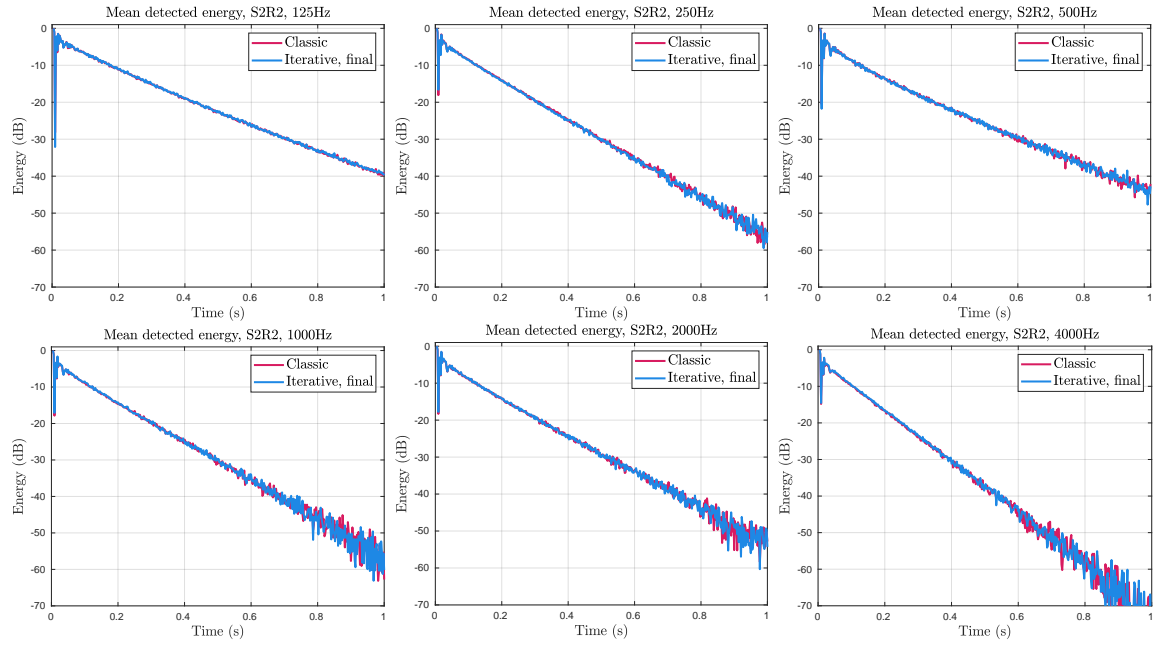
S2R1, 1 s



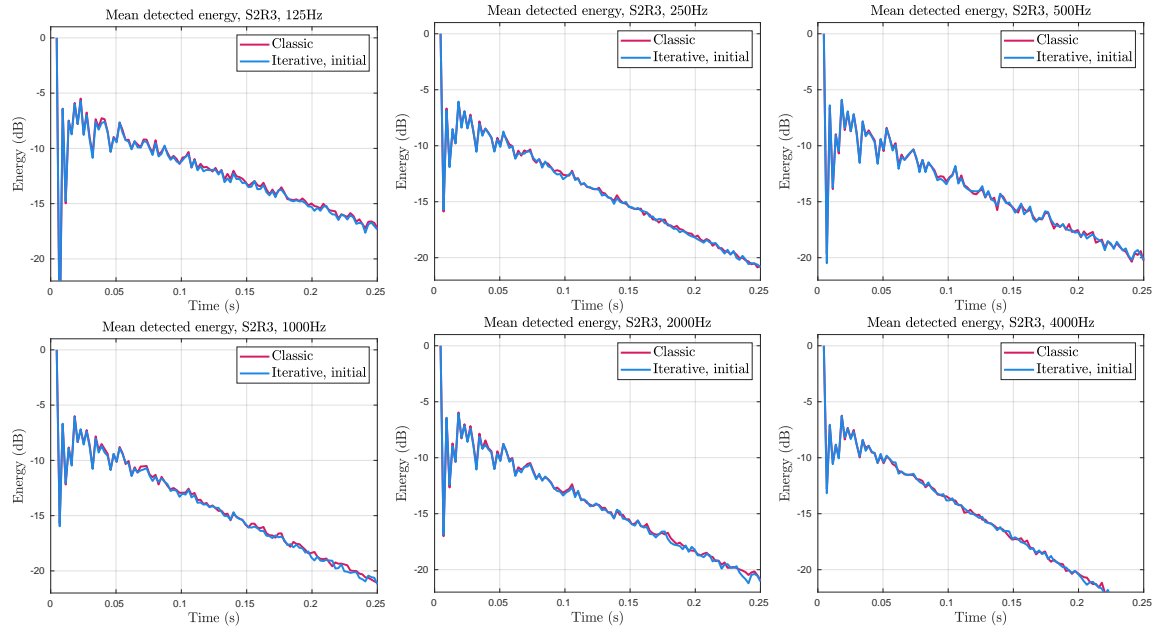
S2R2, 0.25 s



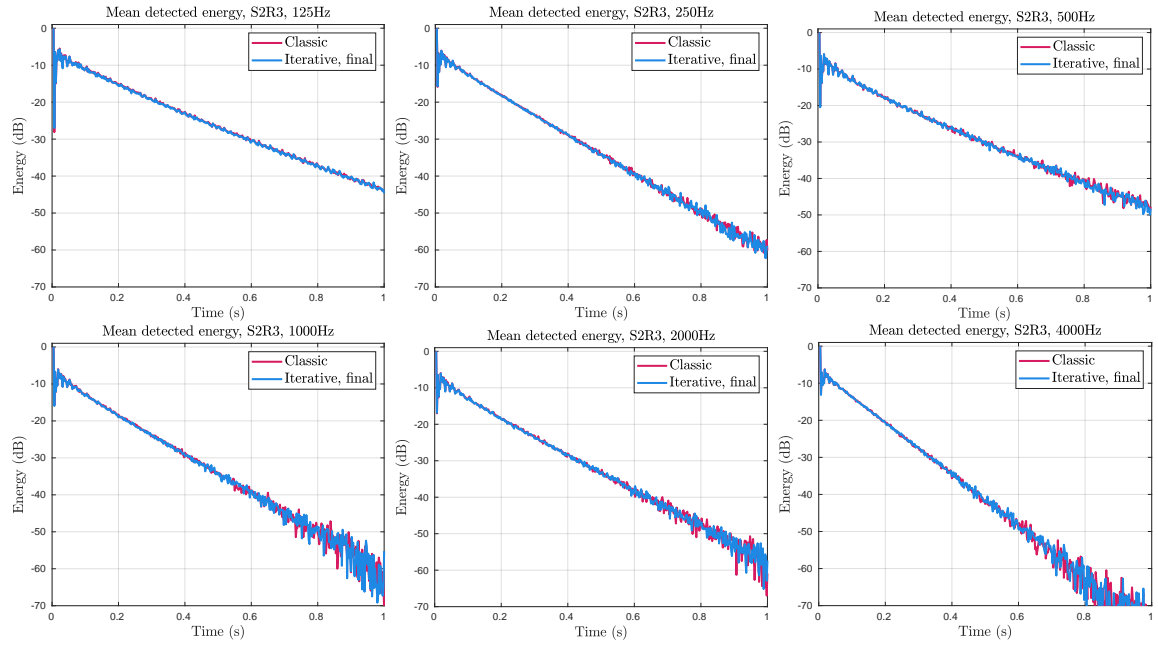
S2R2, 1 s



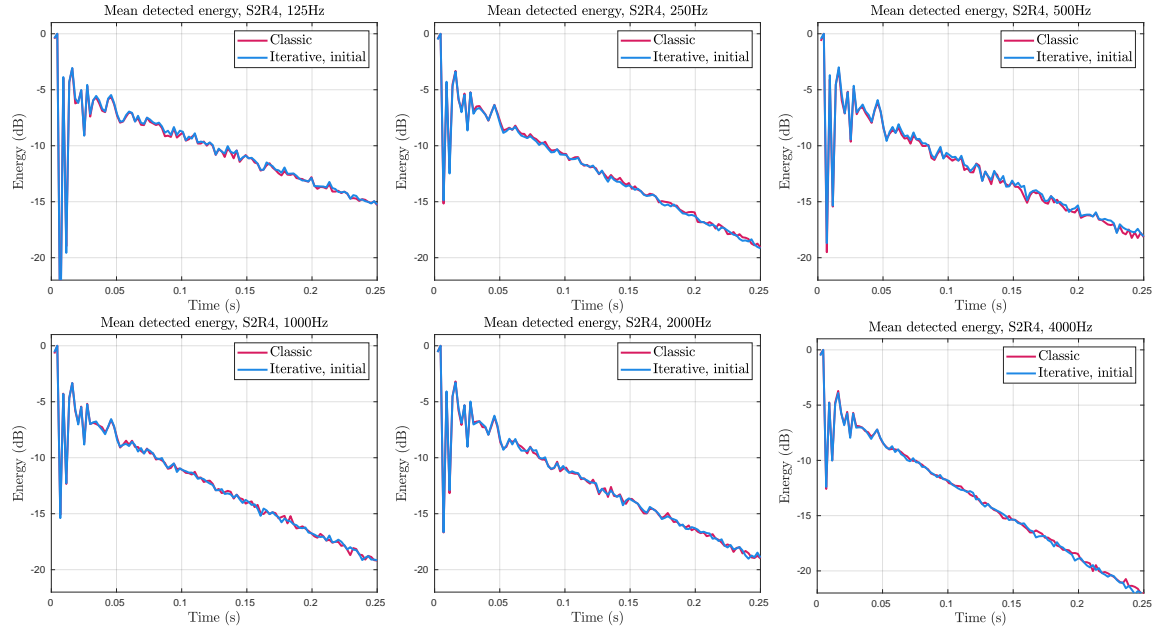
S2R3, 0.25 s



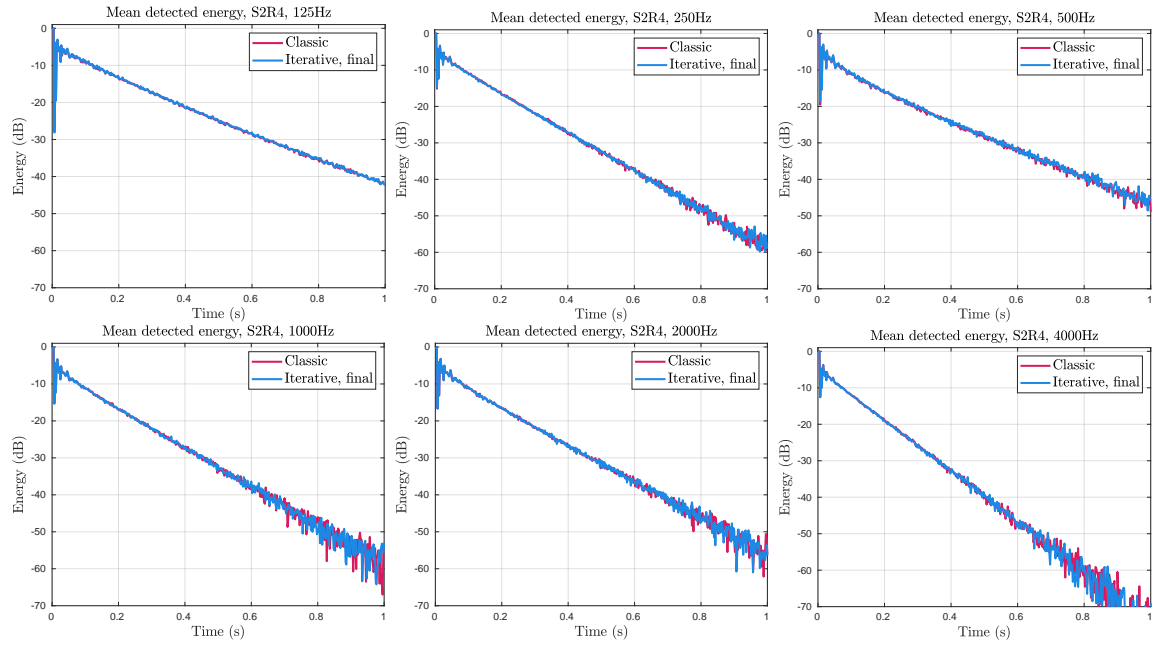
S2R3, 1 s



S2R4, 0.25 s

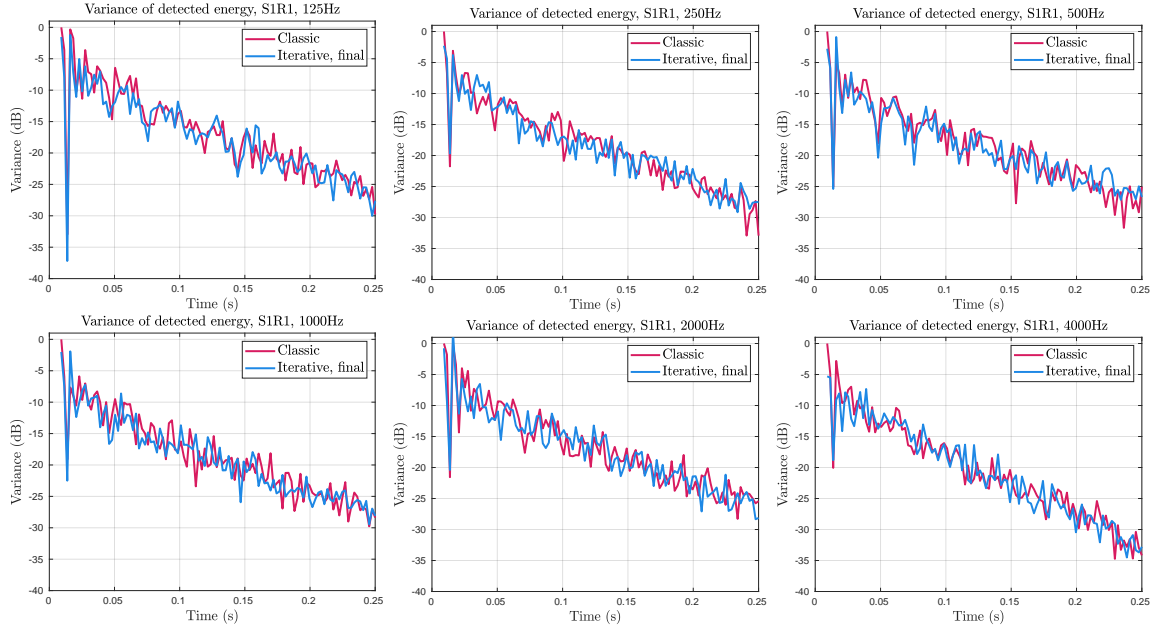


S2R4, 1 s

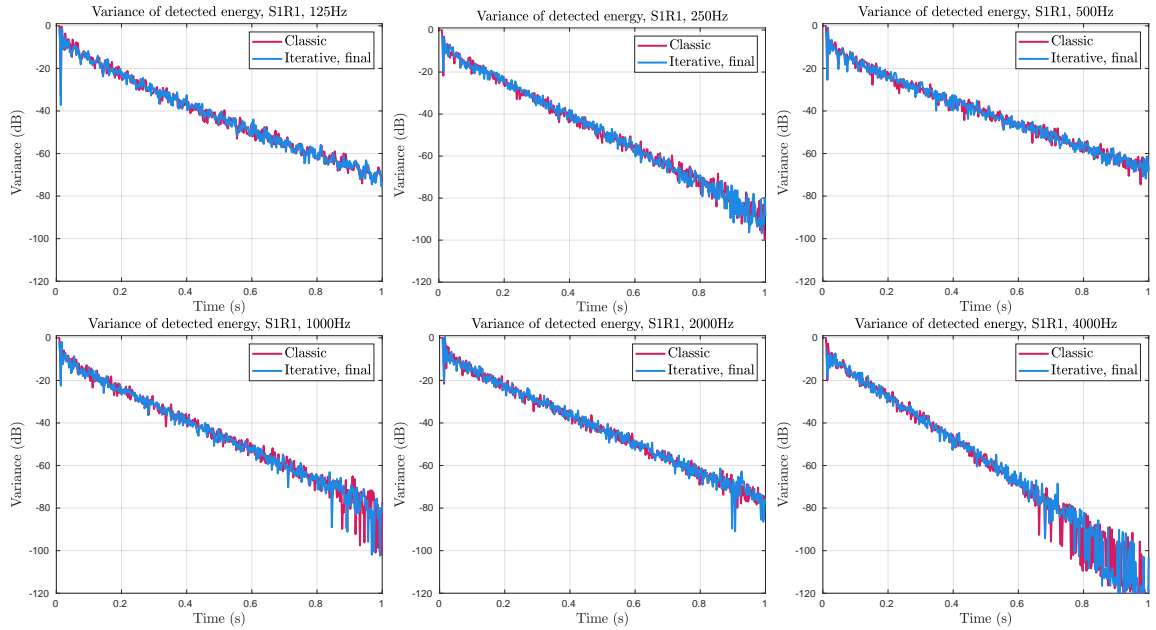


6 Variance of detected energy, iterative and classical algorithm

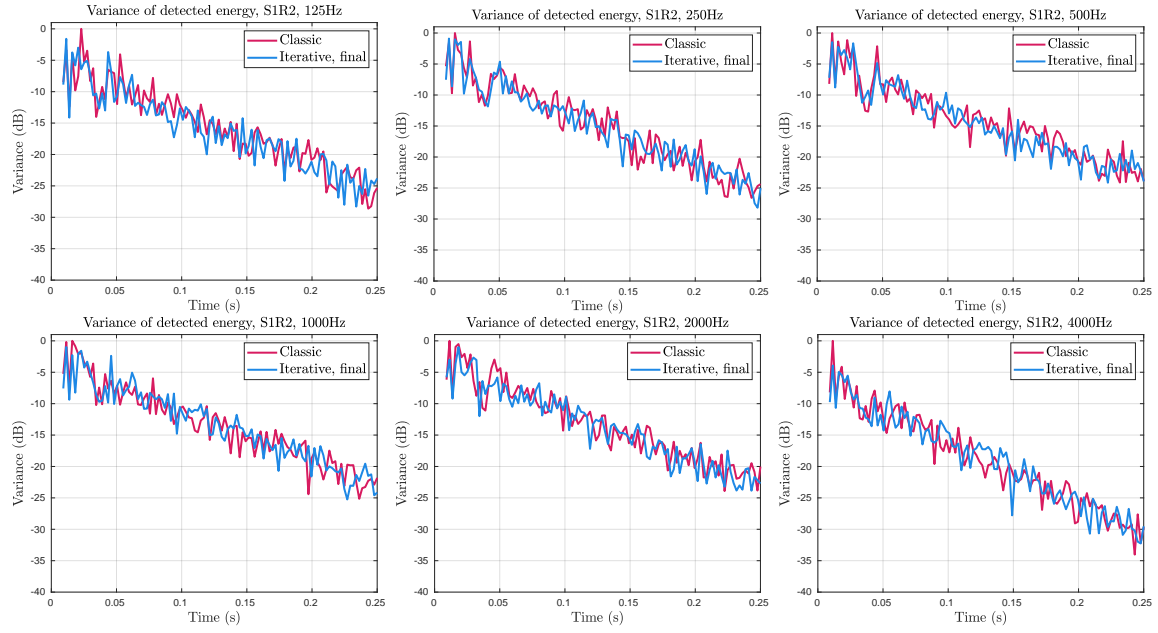
S1R1, 0.25 s



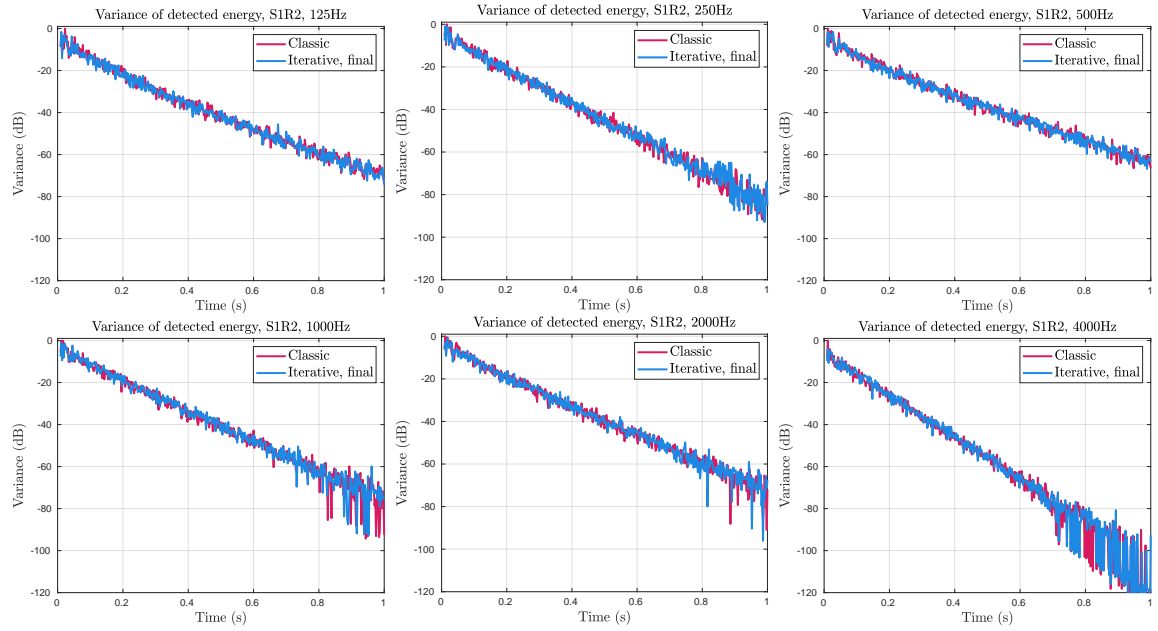
S1R1, 1 s



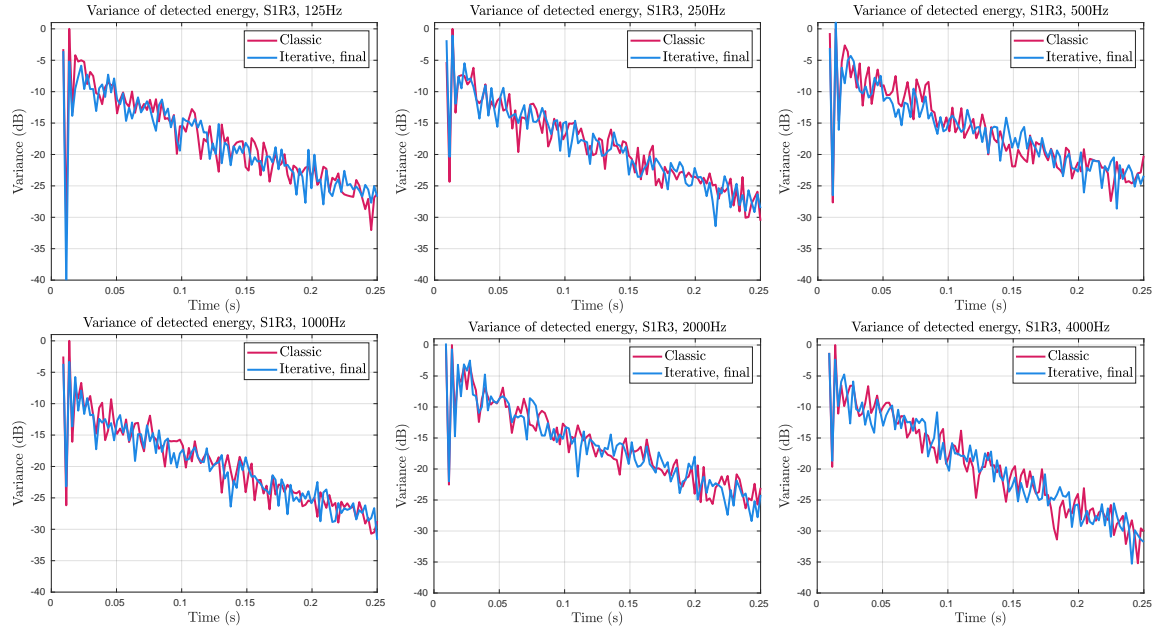
S1R2, 0.25 s



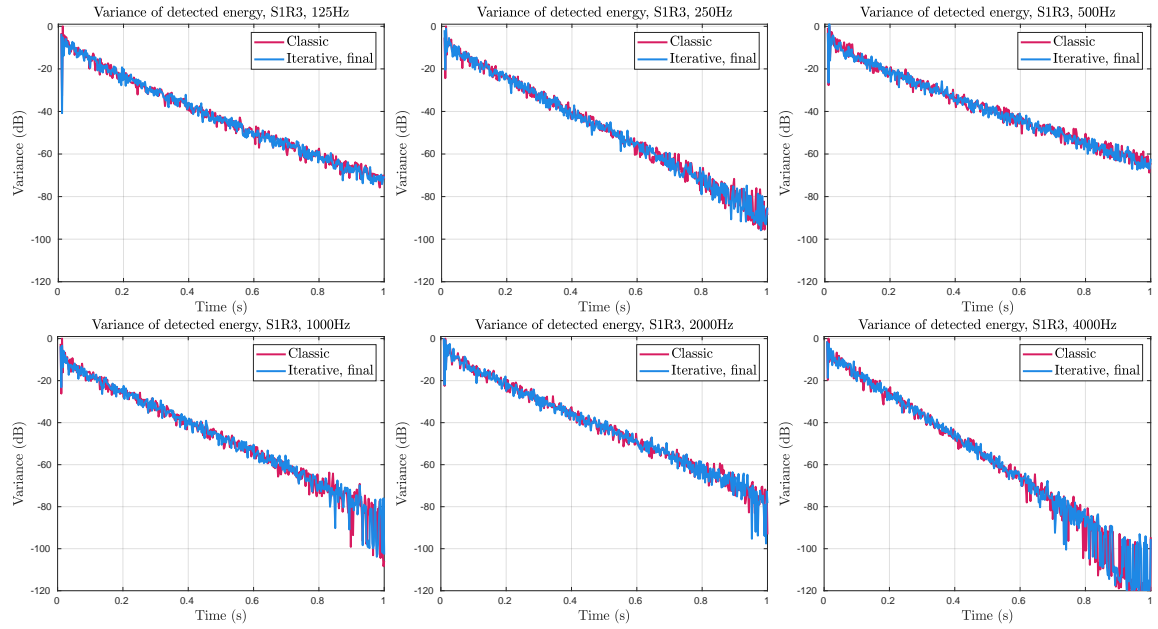
S1R2, 1 s



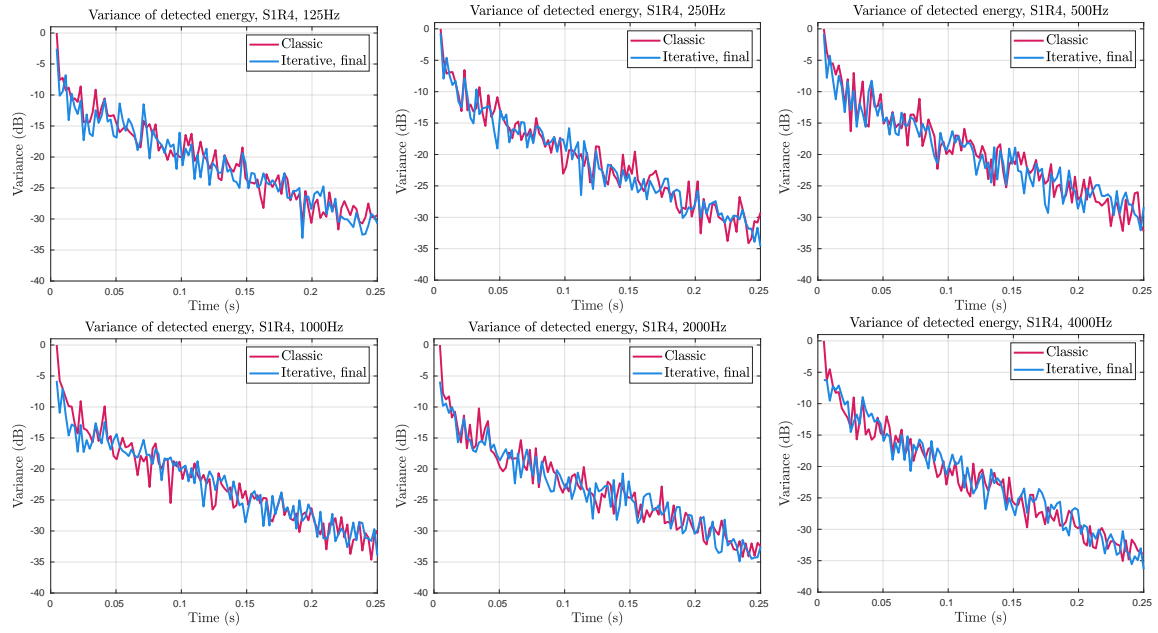
S1R3, 0.25 s



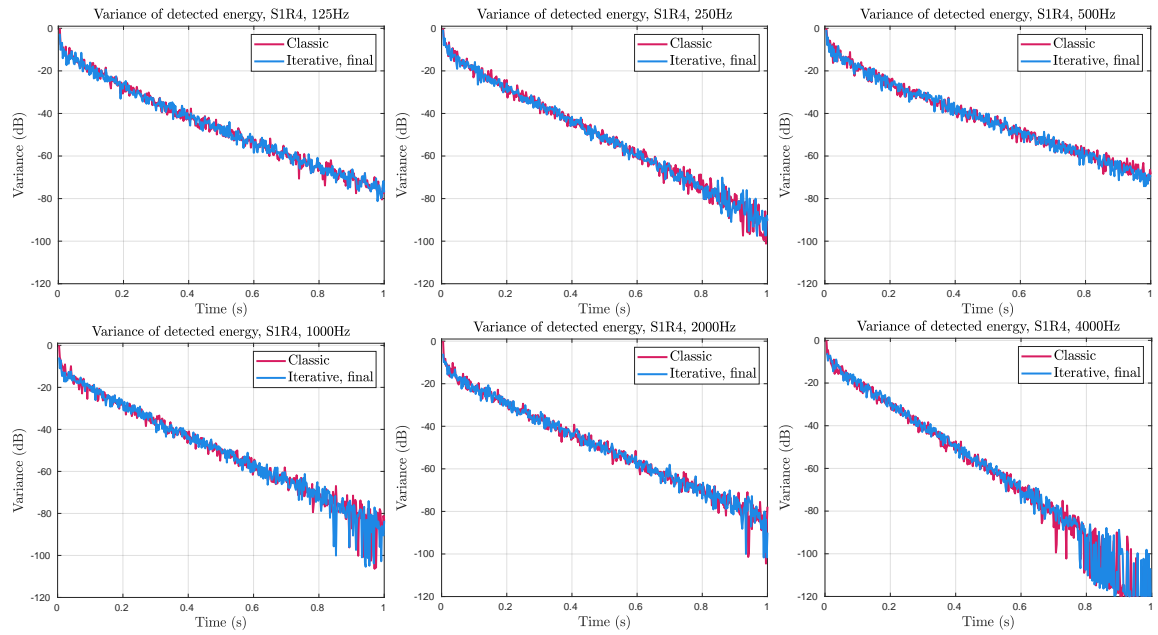
S1R3, 1 s



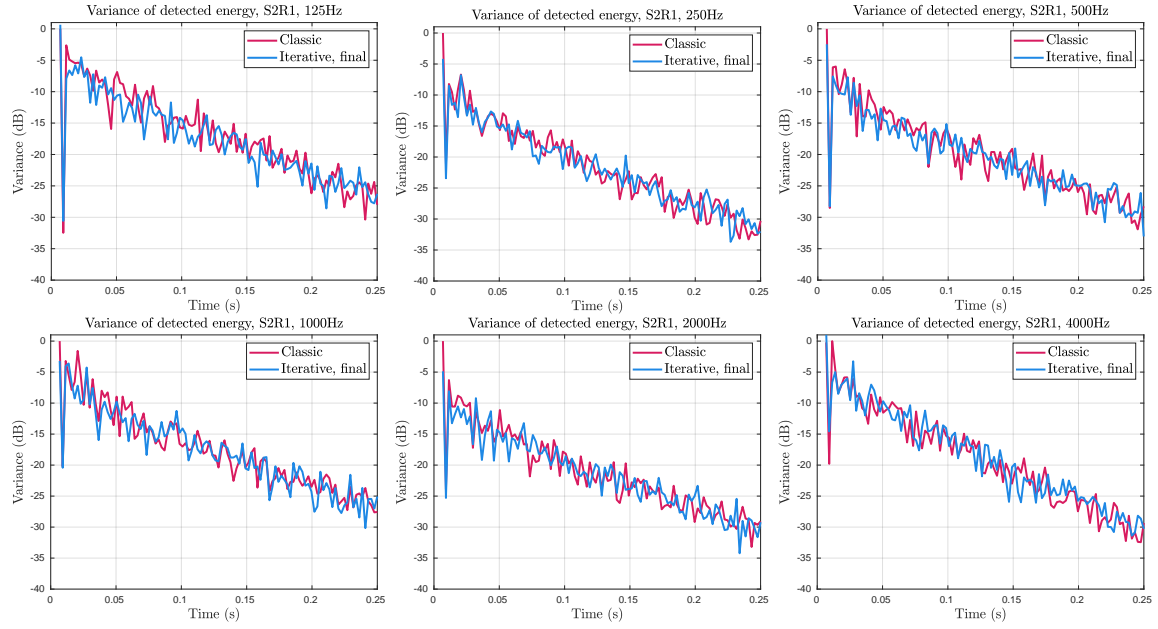
S1R4, 0.25 s



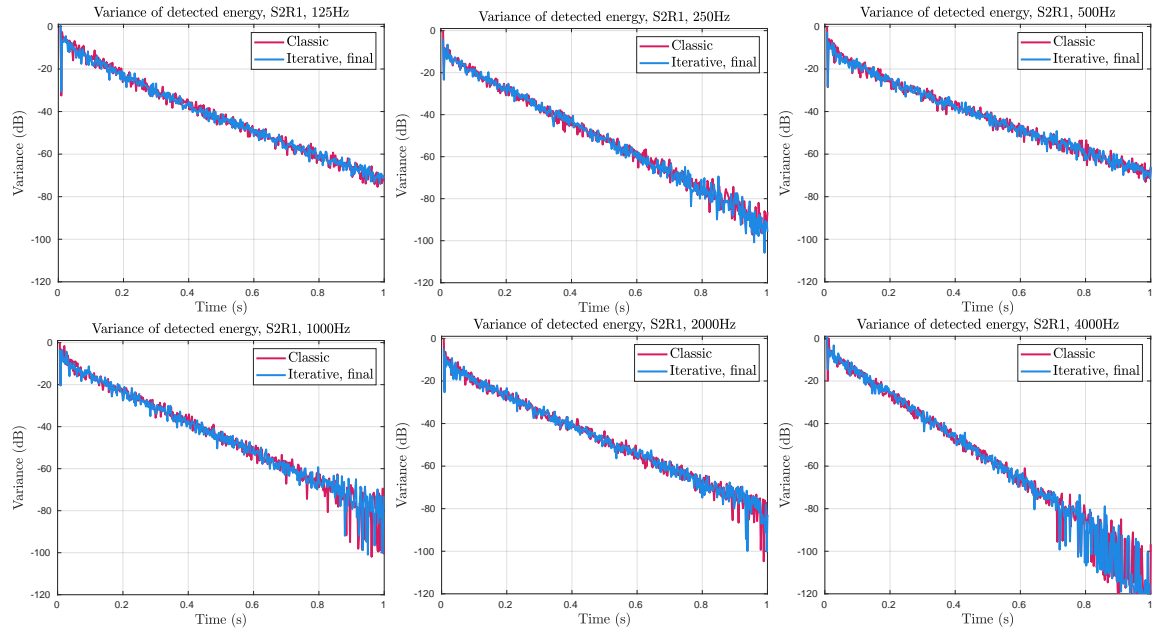
S1R4, 1 s



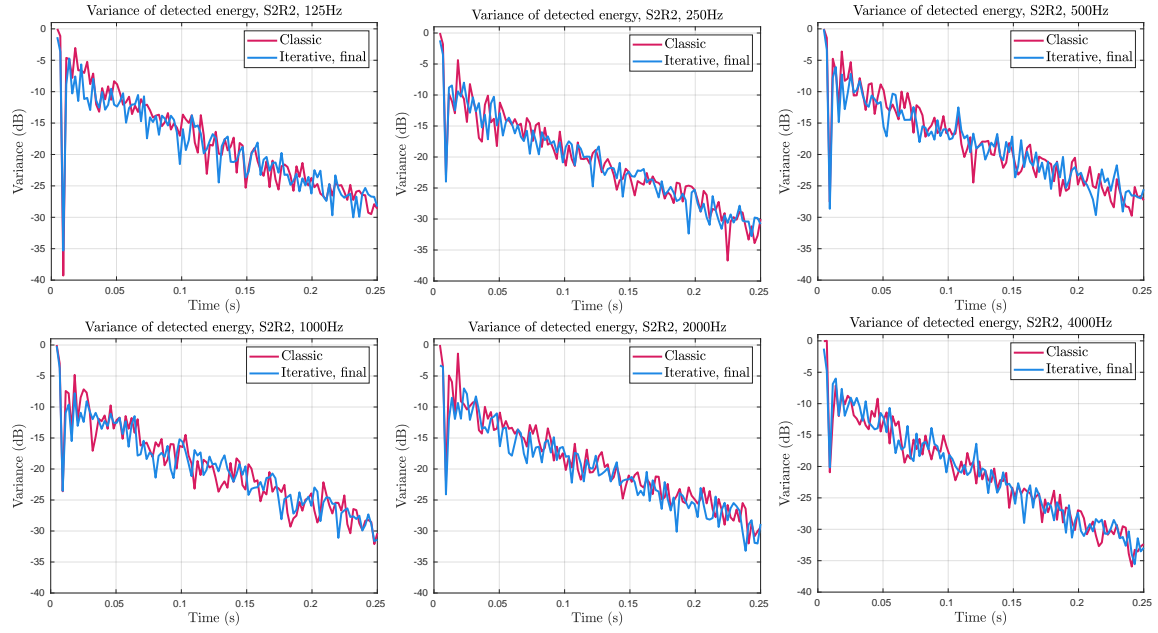
S2R1, 0.25 s



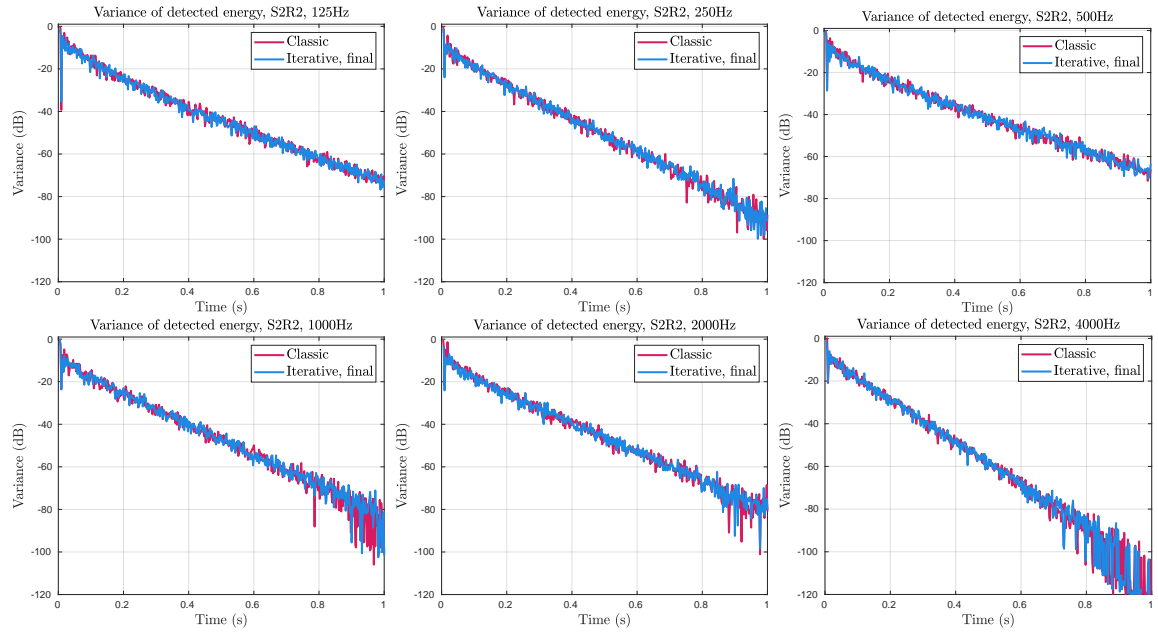
S2R1, 1 s



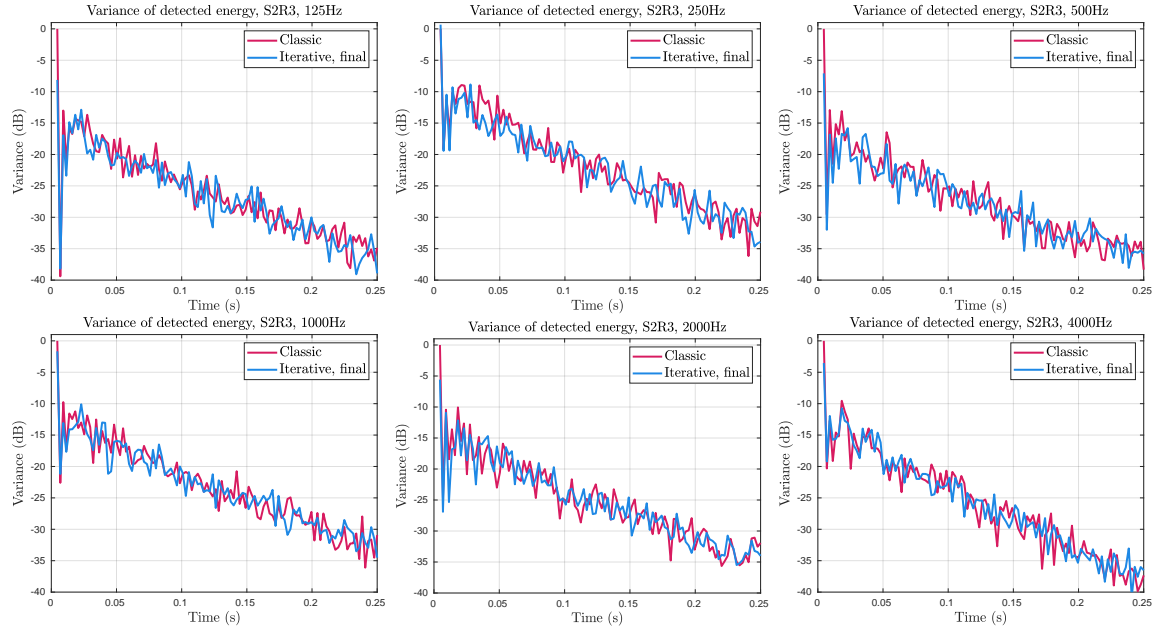
S2R2, 0.25 s



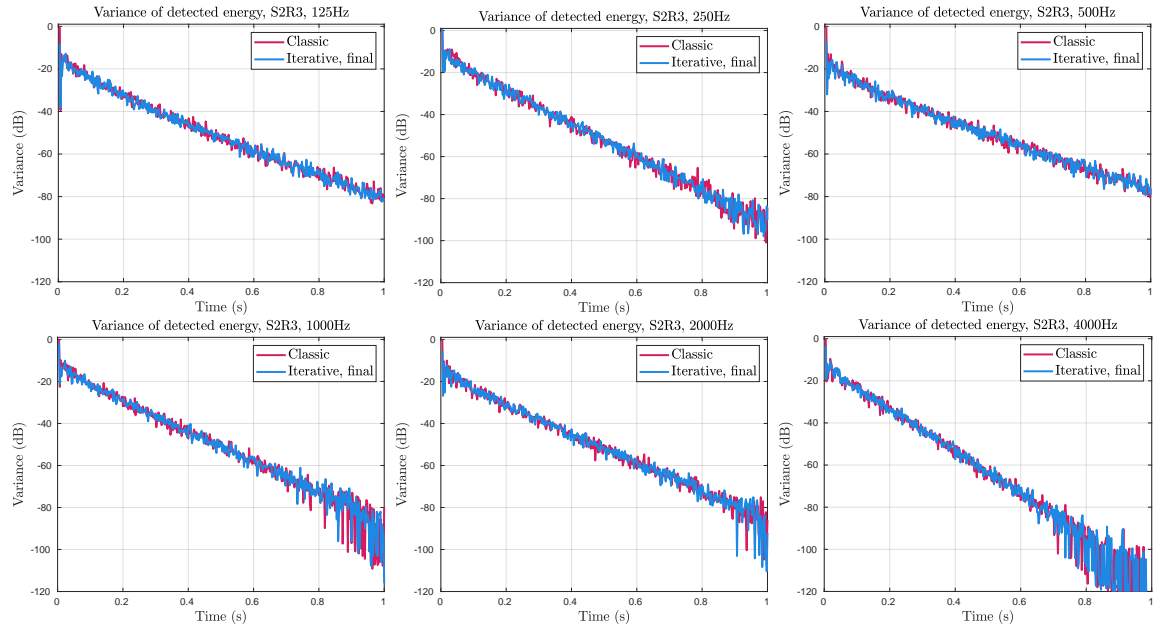
S2R2, 1 s



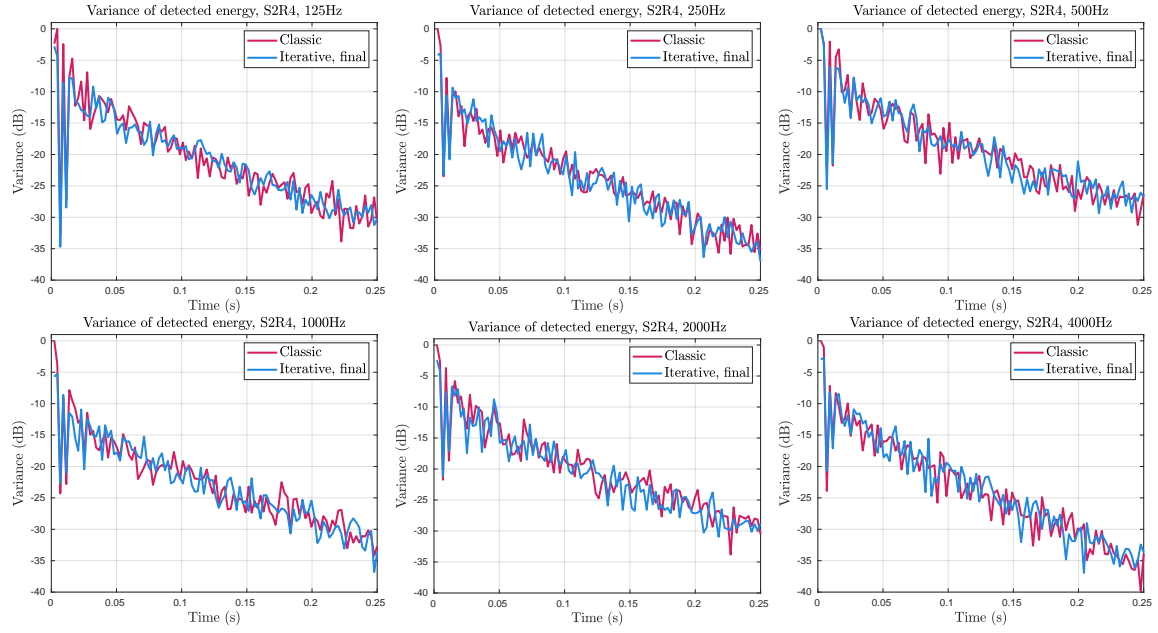
S2R3, 0.25 s



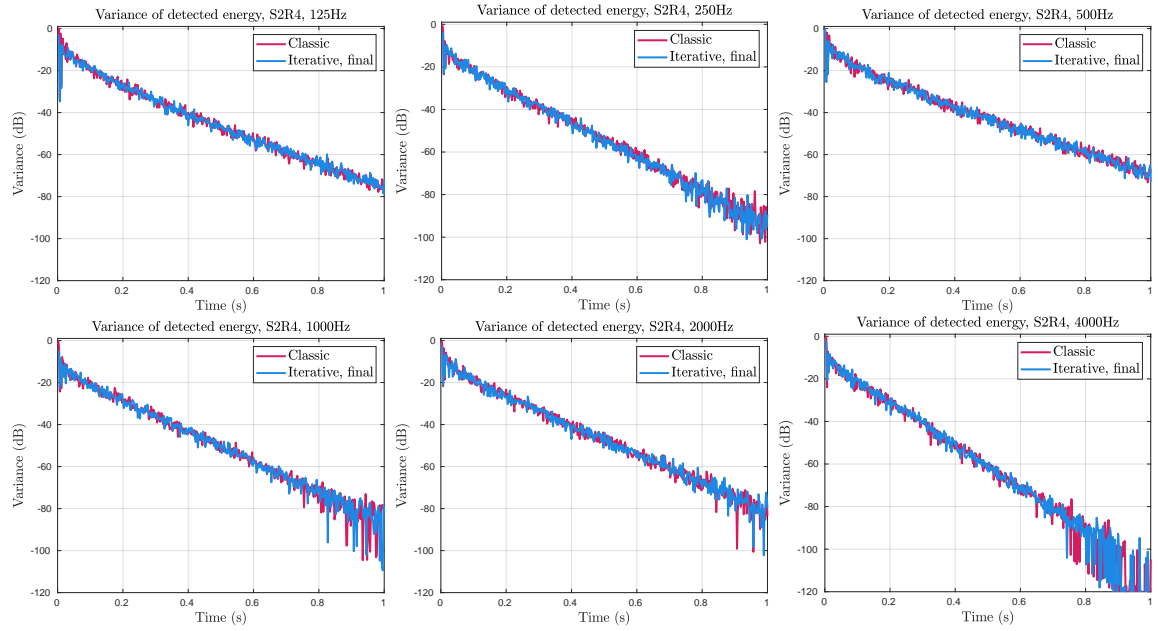
S2R3, 1 s



S2R4, 0.25 s

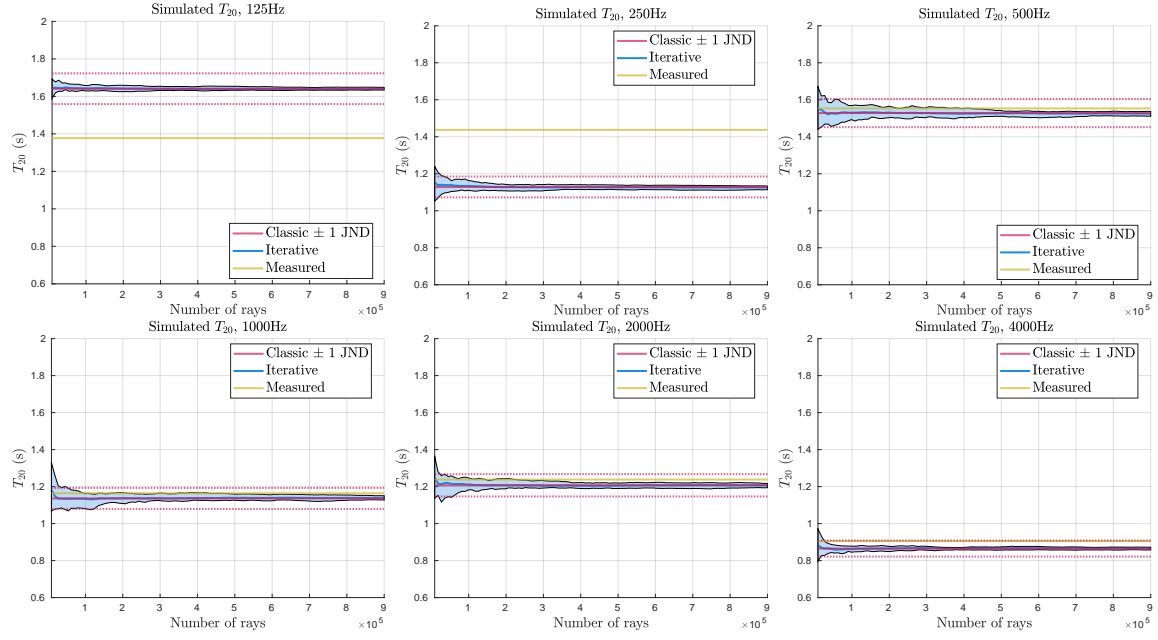


S2R4, 1 s

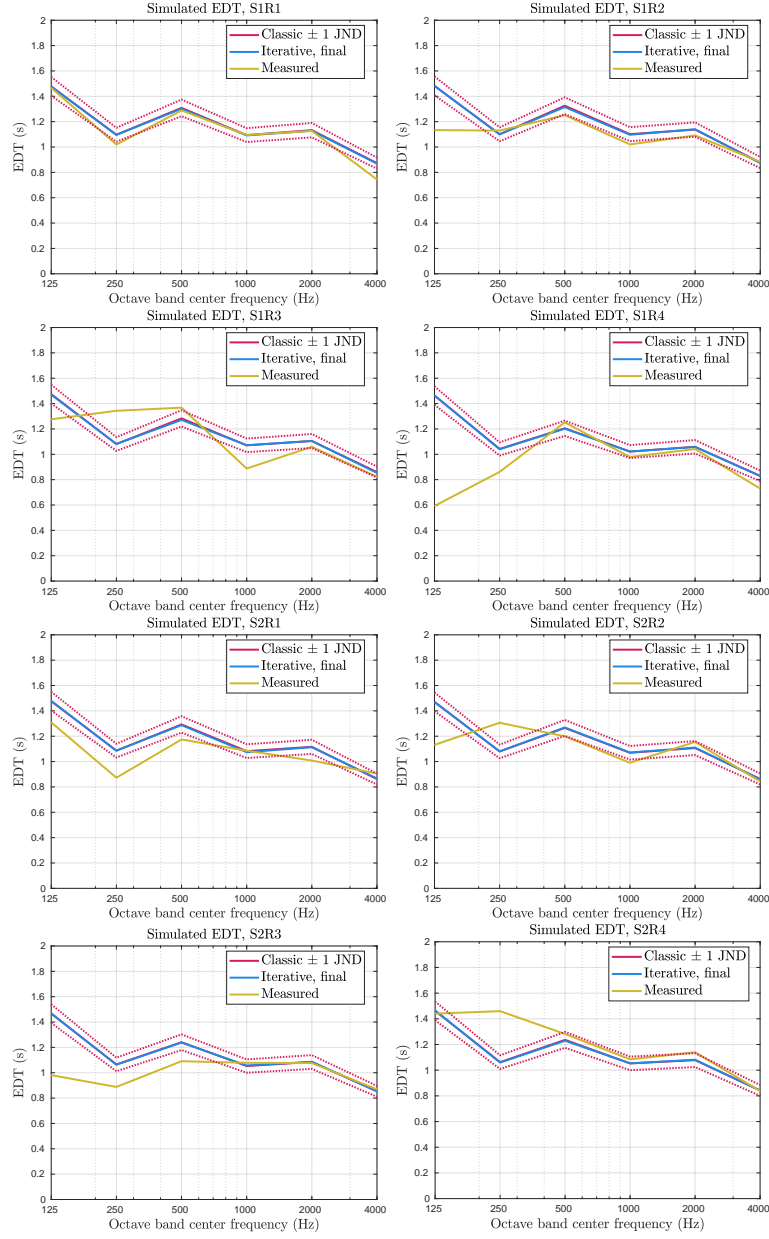


7 Reverberation time to number of rays

Spatial average

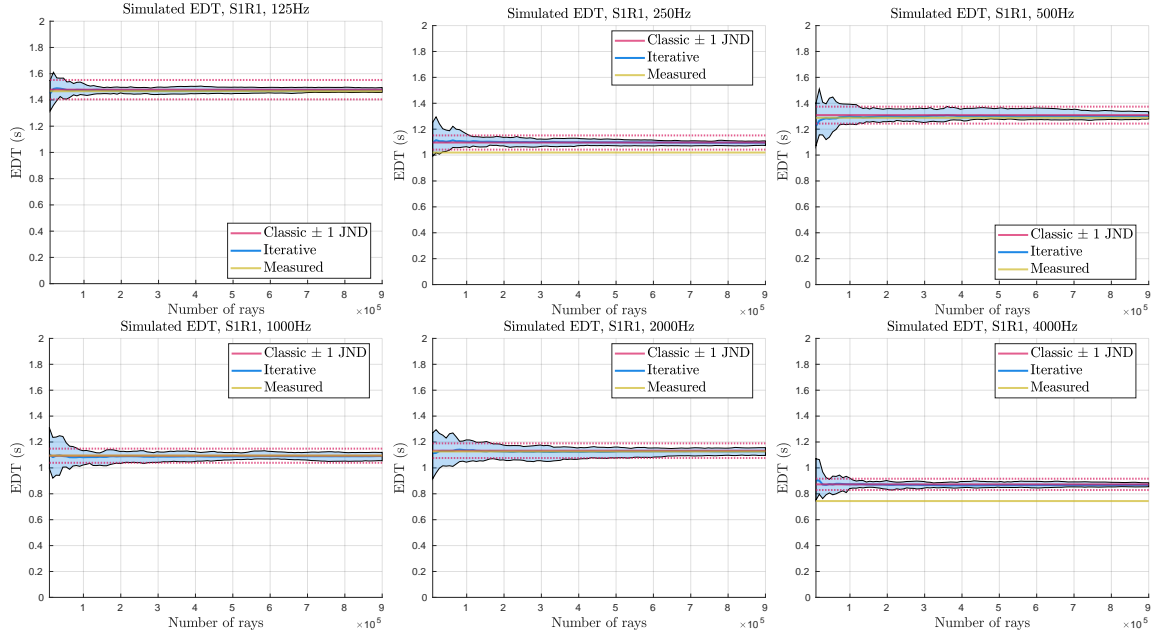


8 Early Decay Time

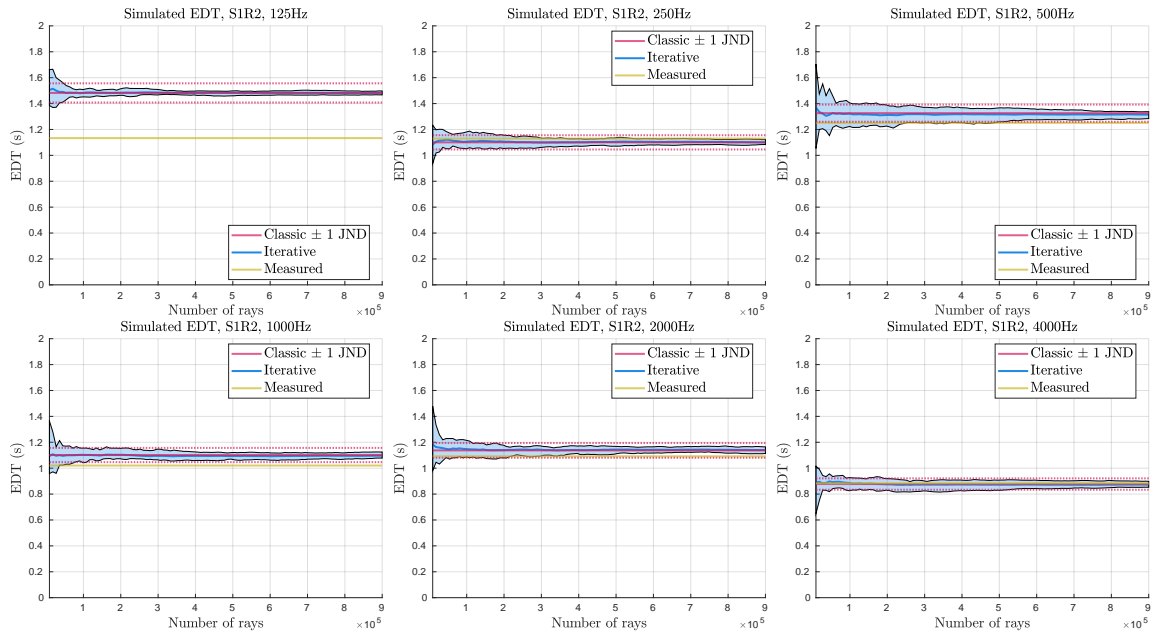


9 Early decay time to number of rays

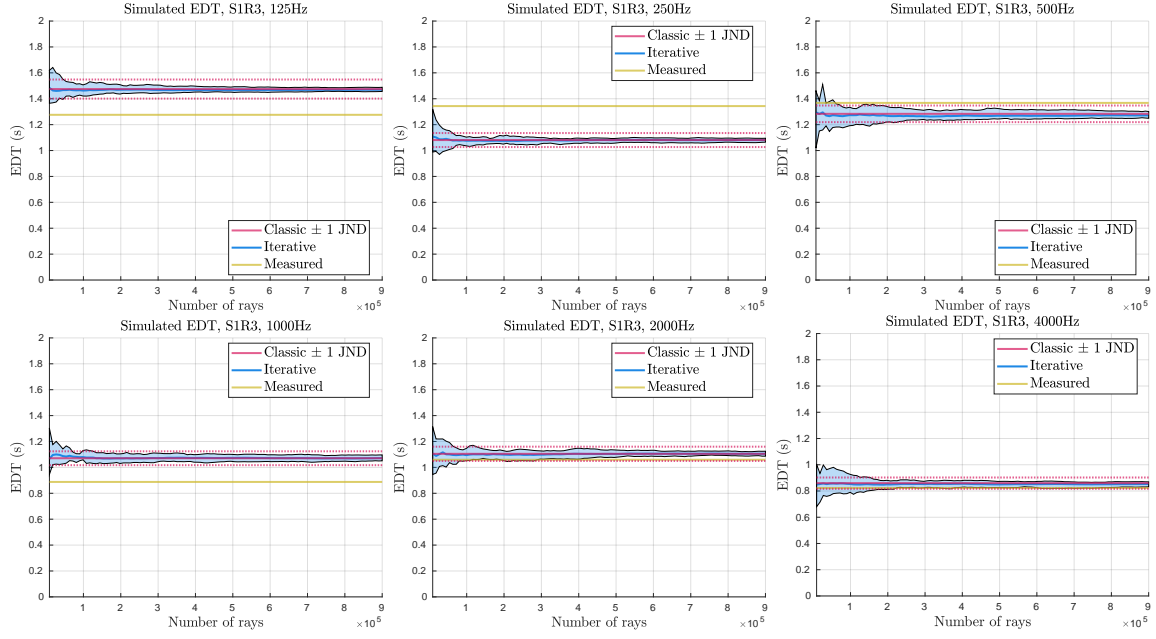
S1R1



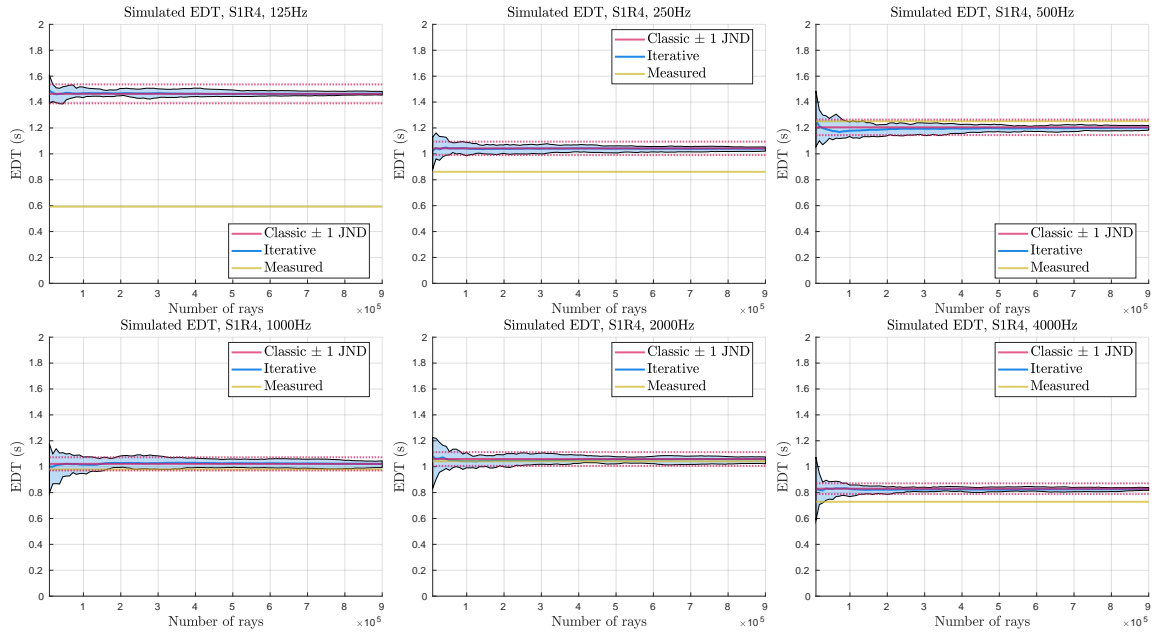
S1R2



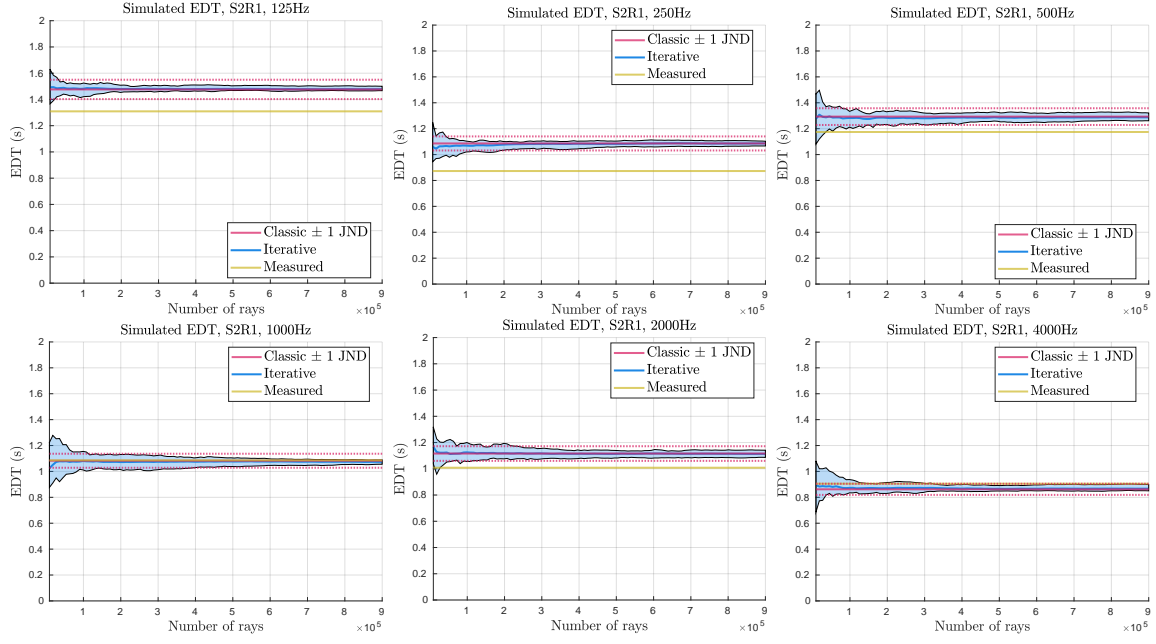
S1R3



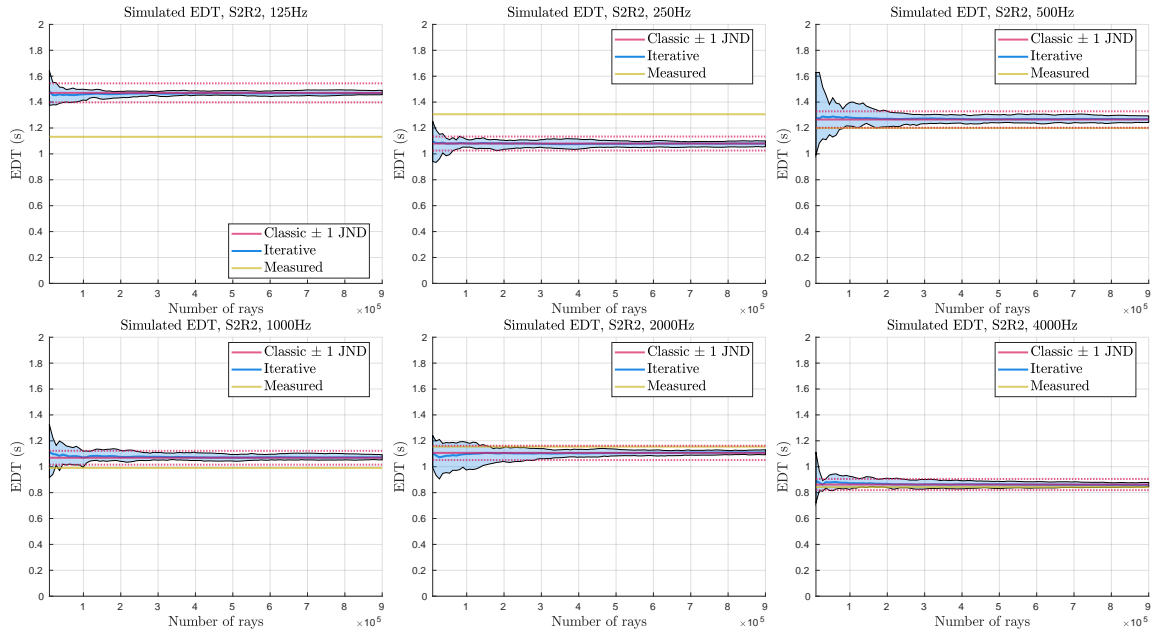
S1R4



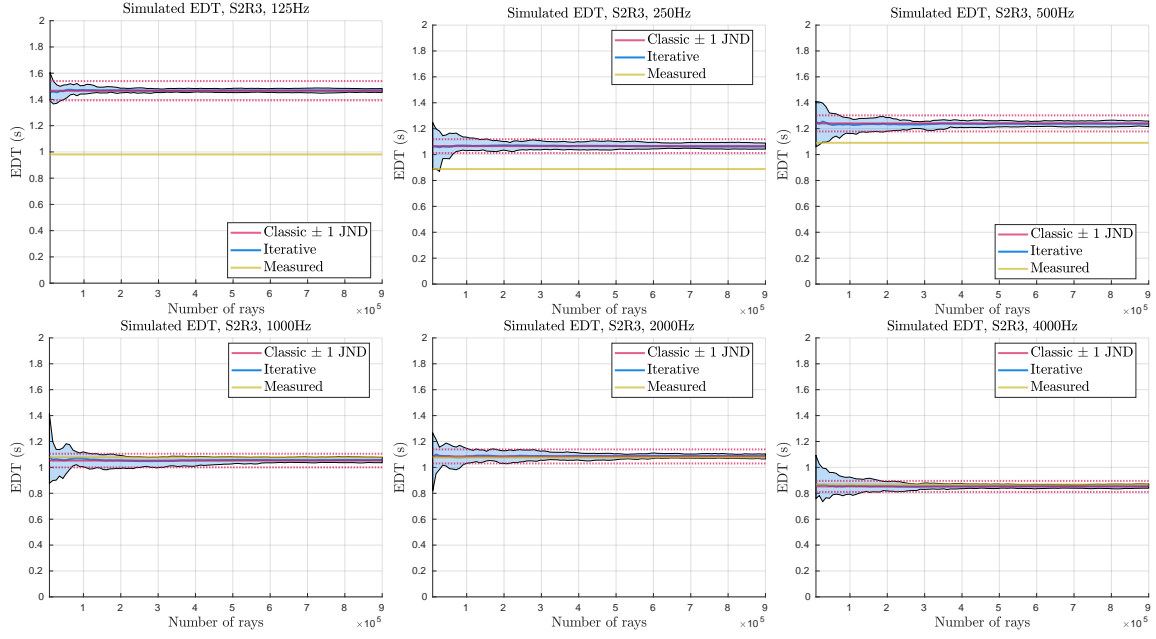
S2R1



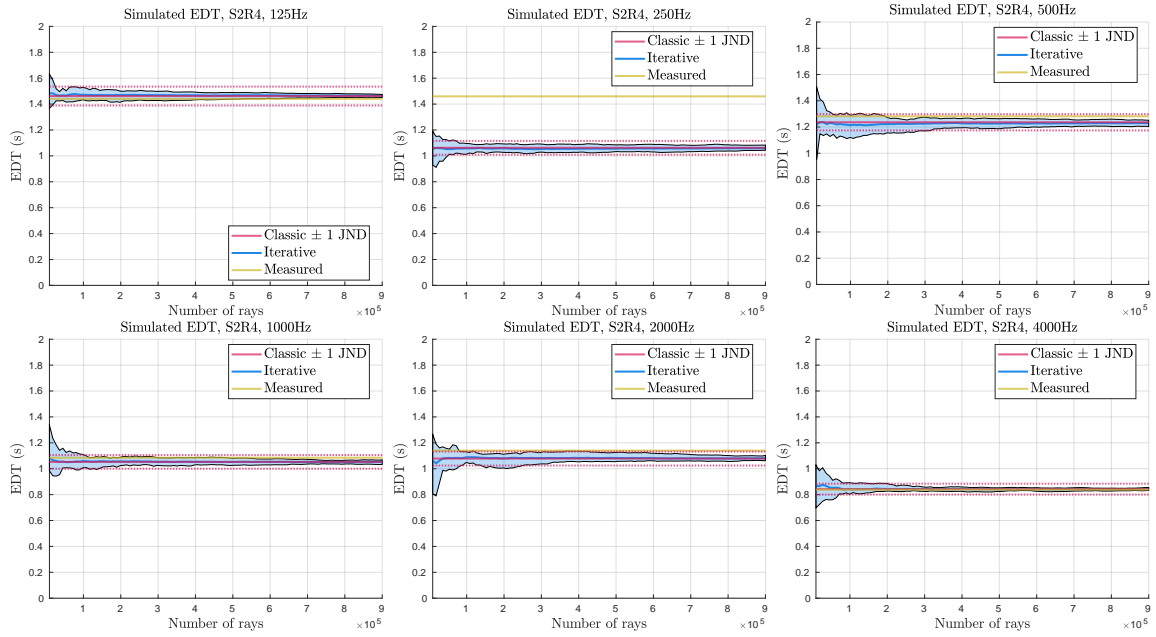
S2R2



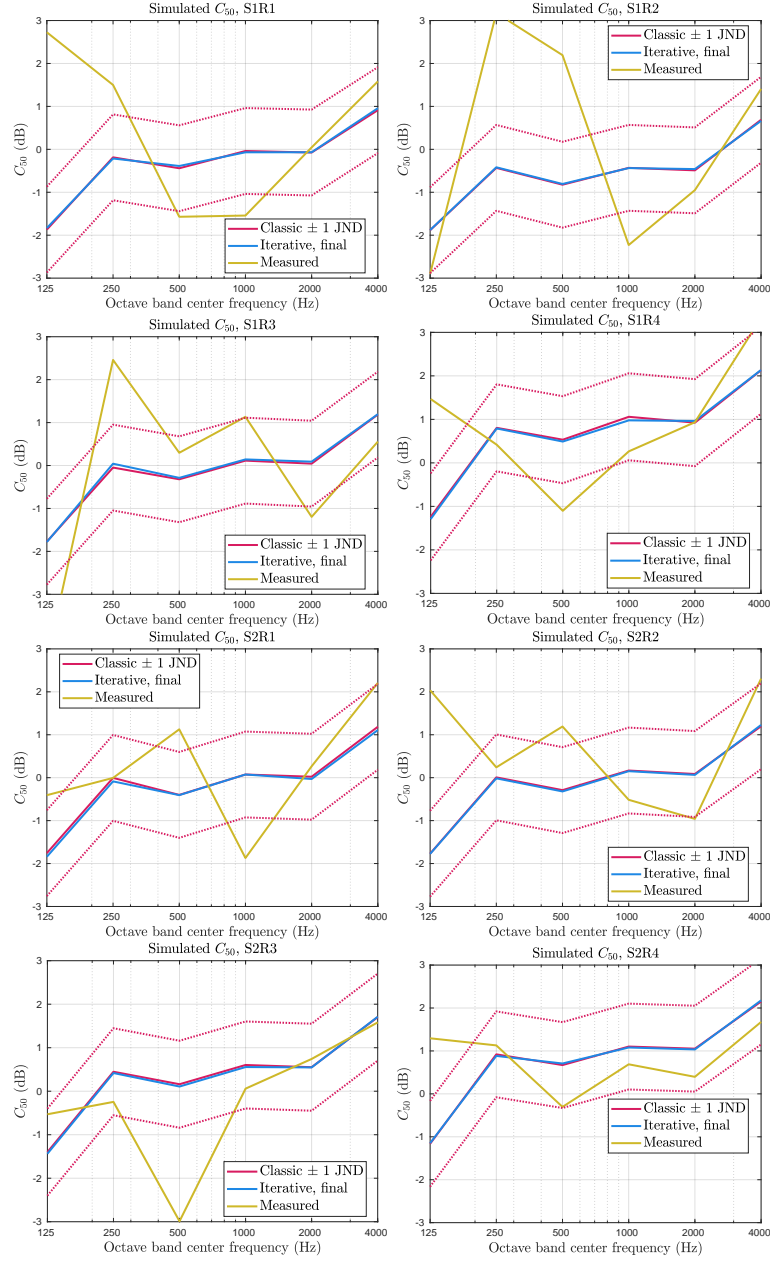
S2R3



S2R4

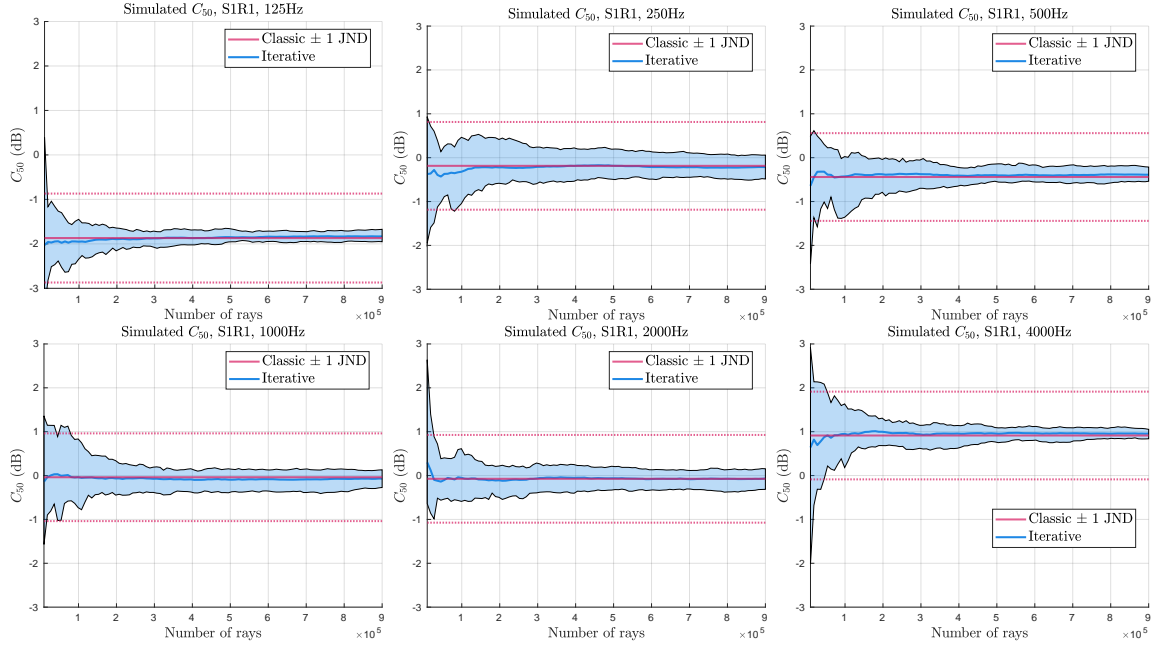


10 Speech clarity

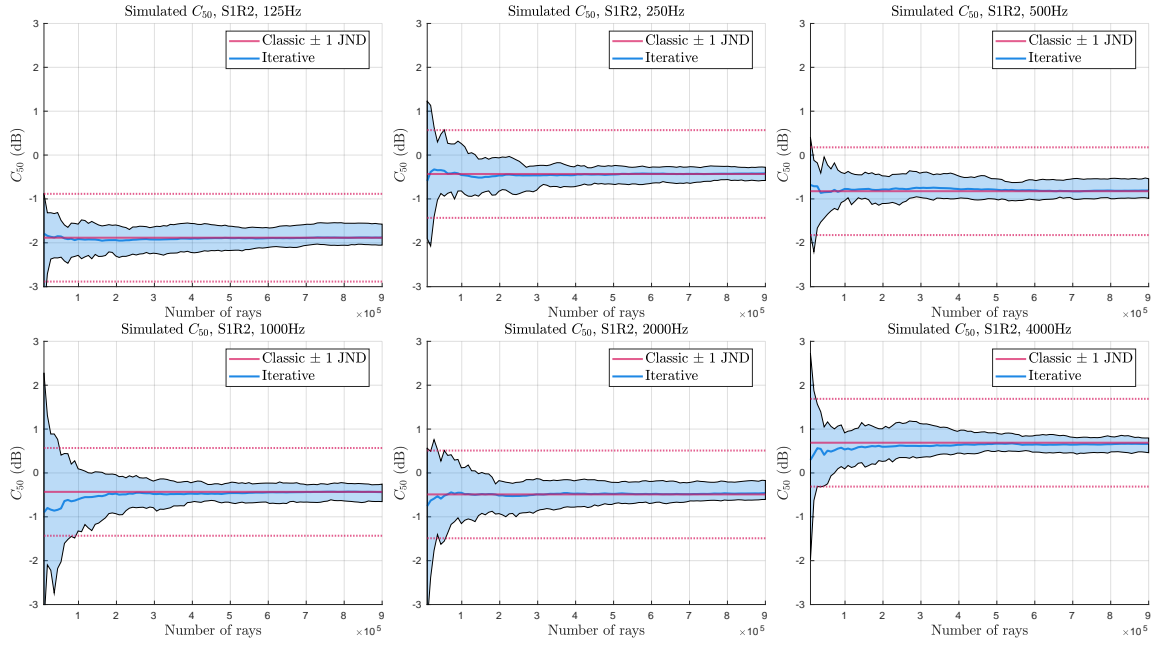


11 Speech clarity to number of rays

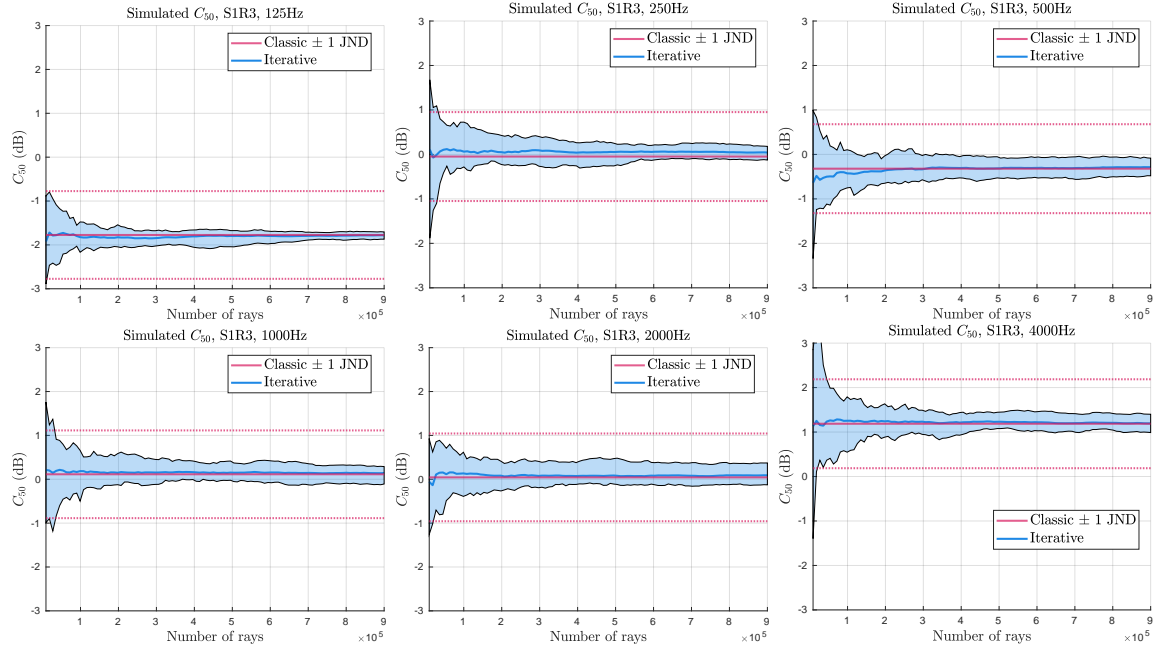
S1R1



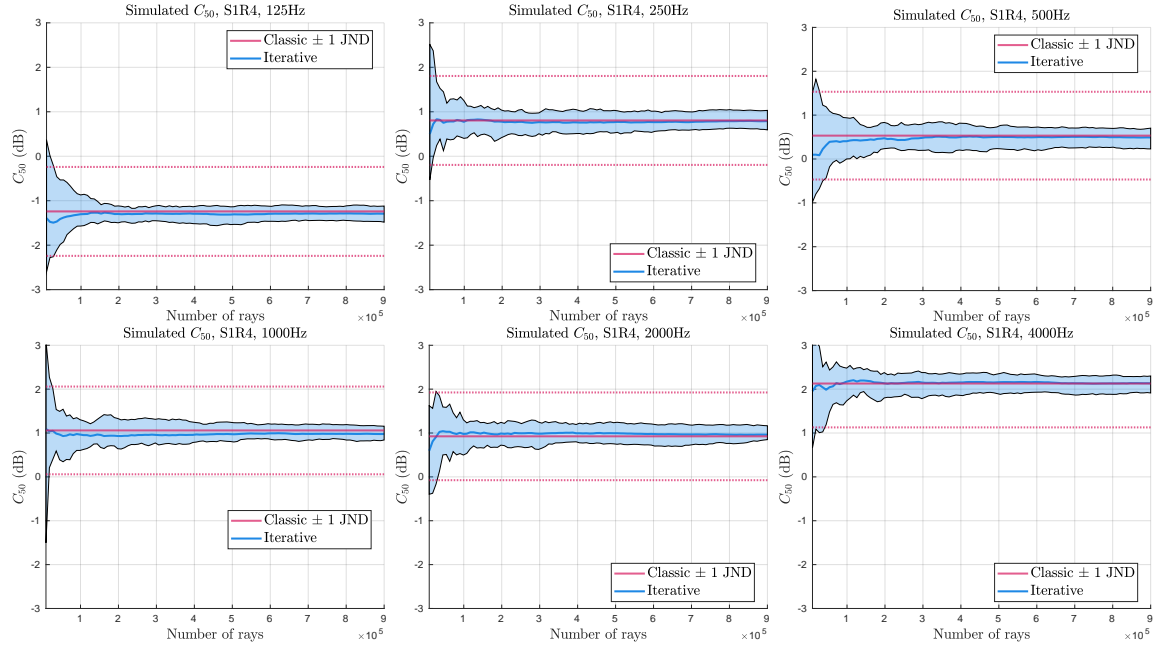
S1R2



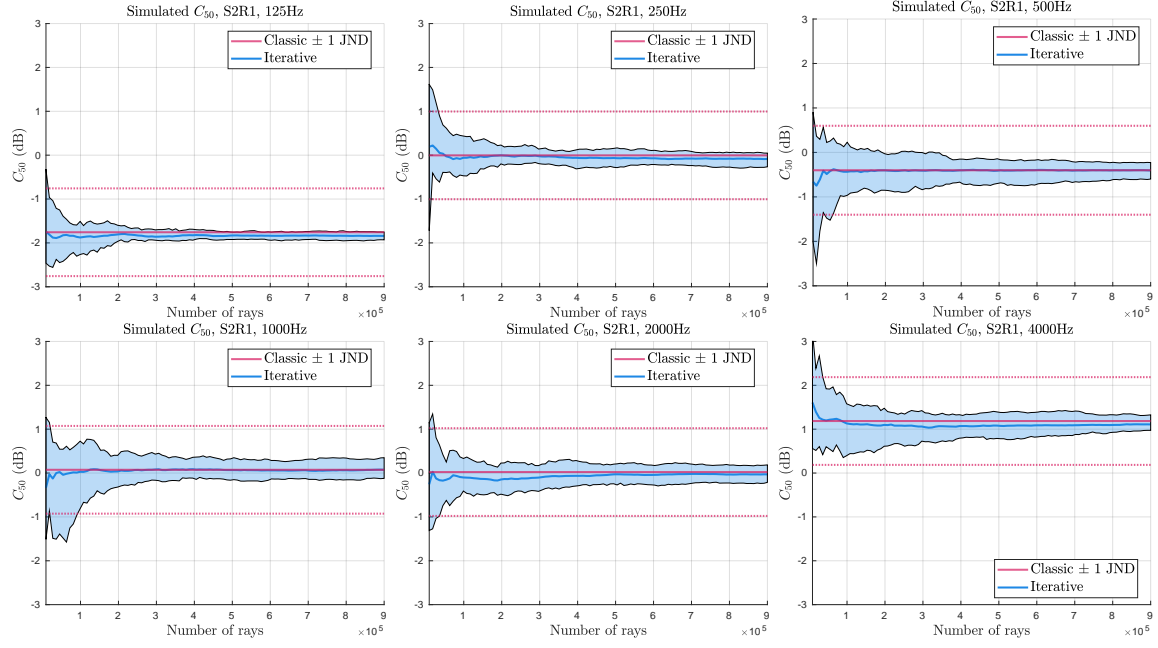
S1R3



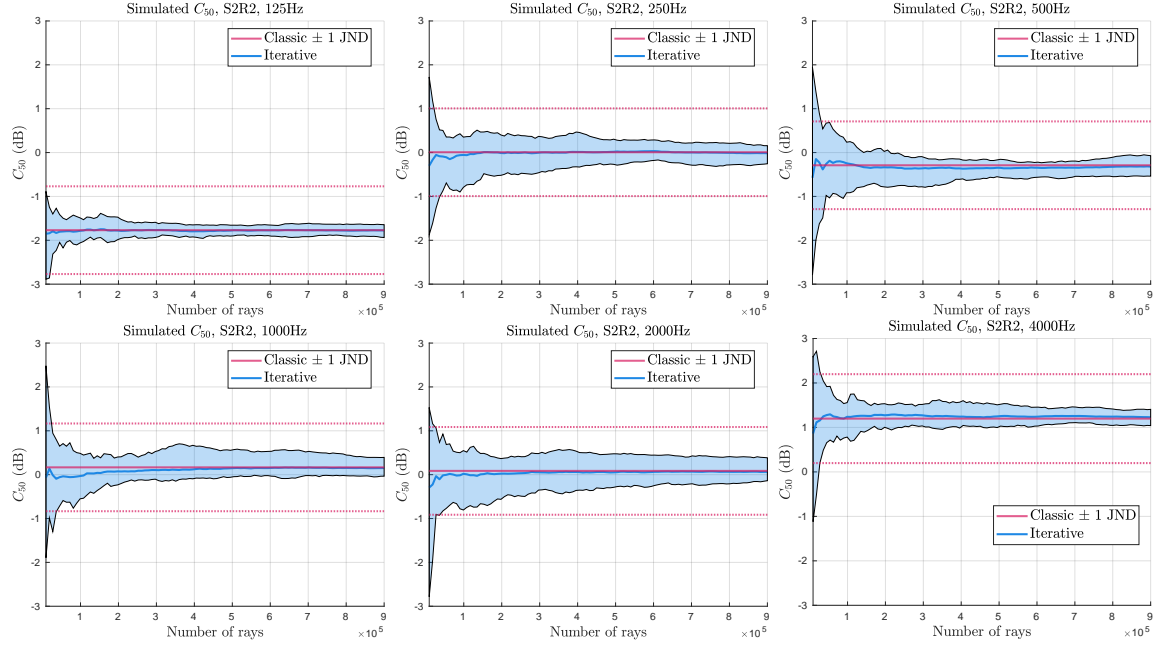
S1R4



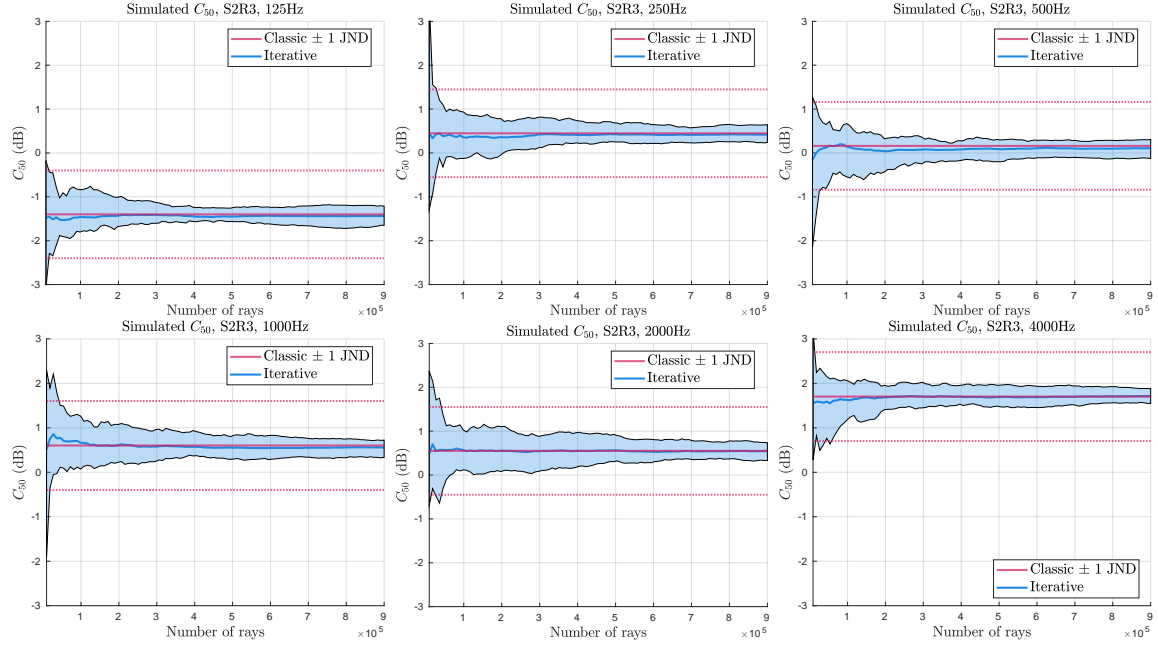
S2R1



S2R2



S2R3



S2R4

