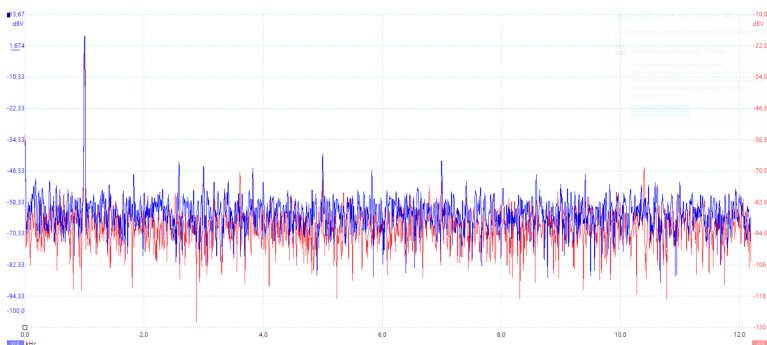
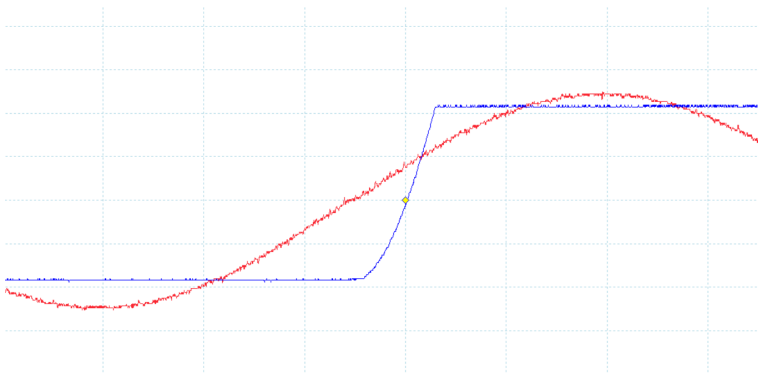
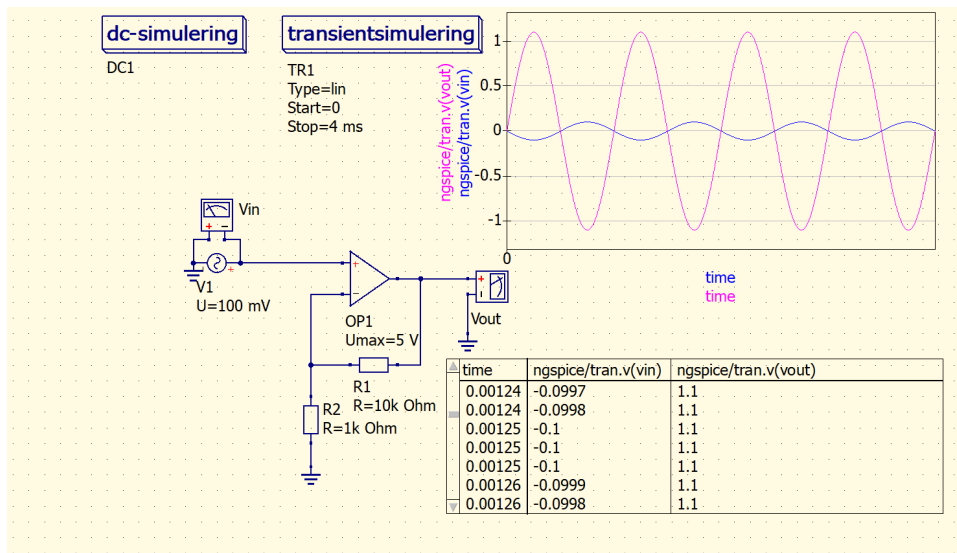


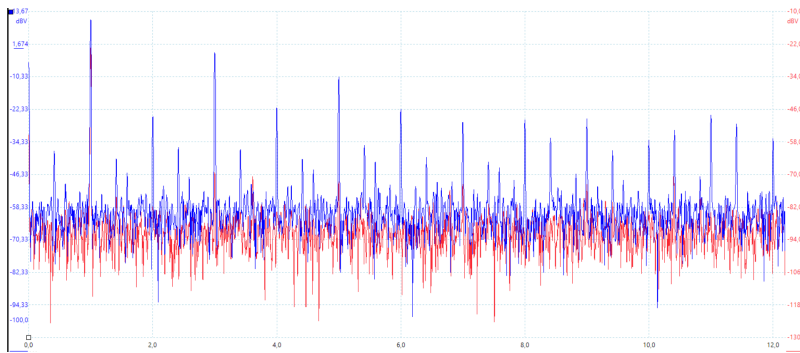
Appendix

Analog Electronic

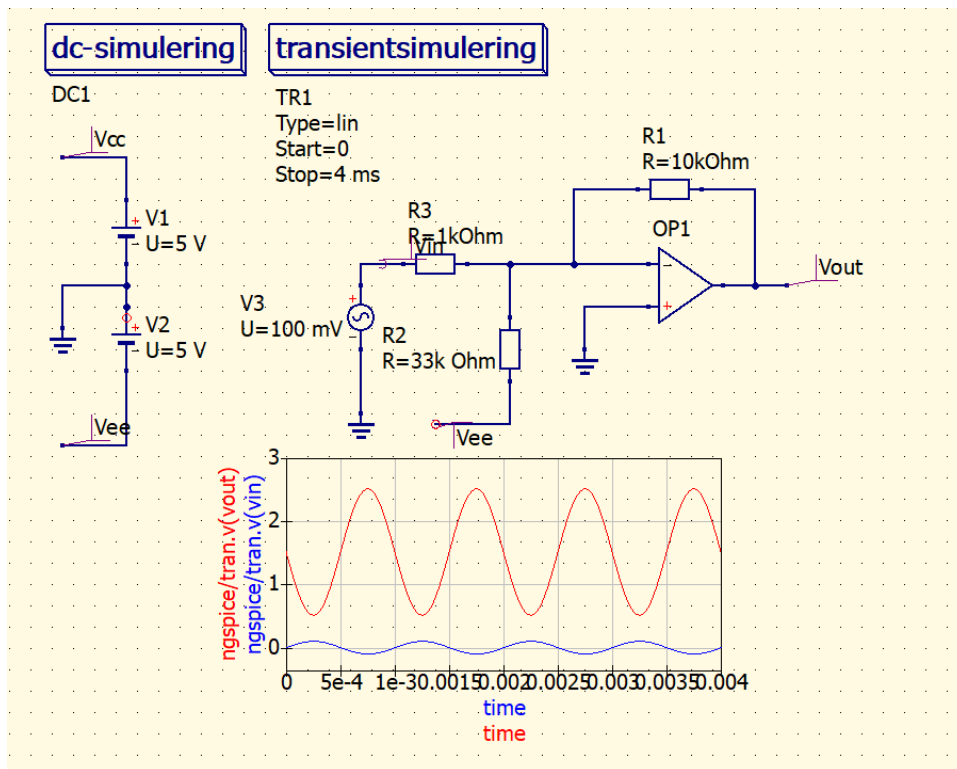
Lab 1

2.2





3.2



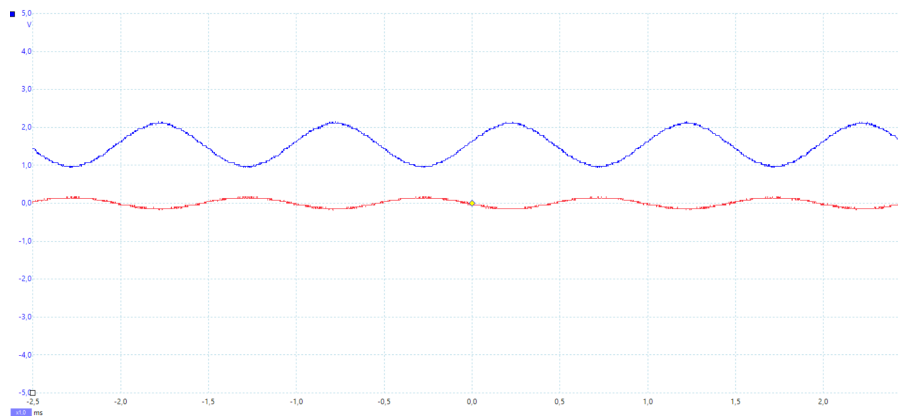


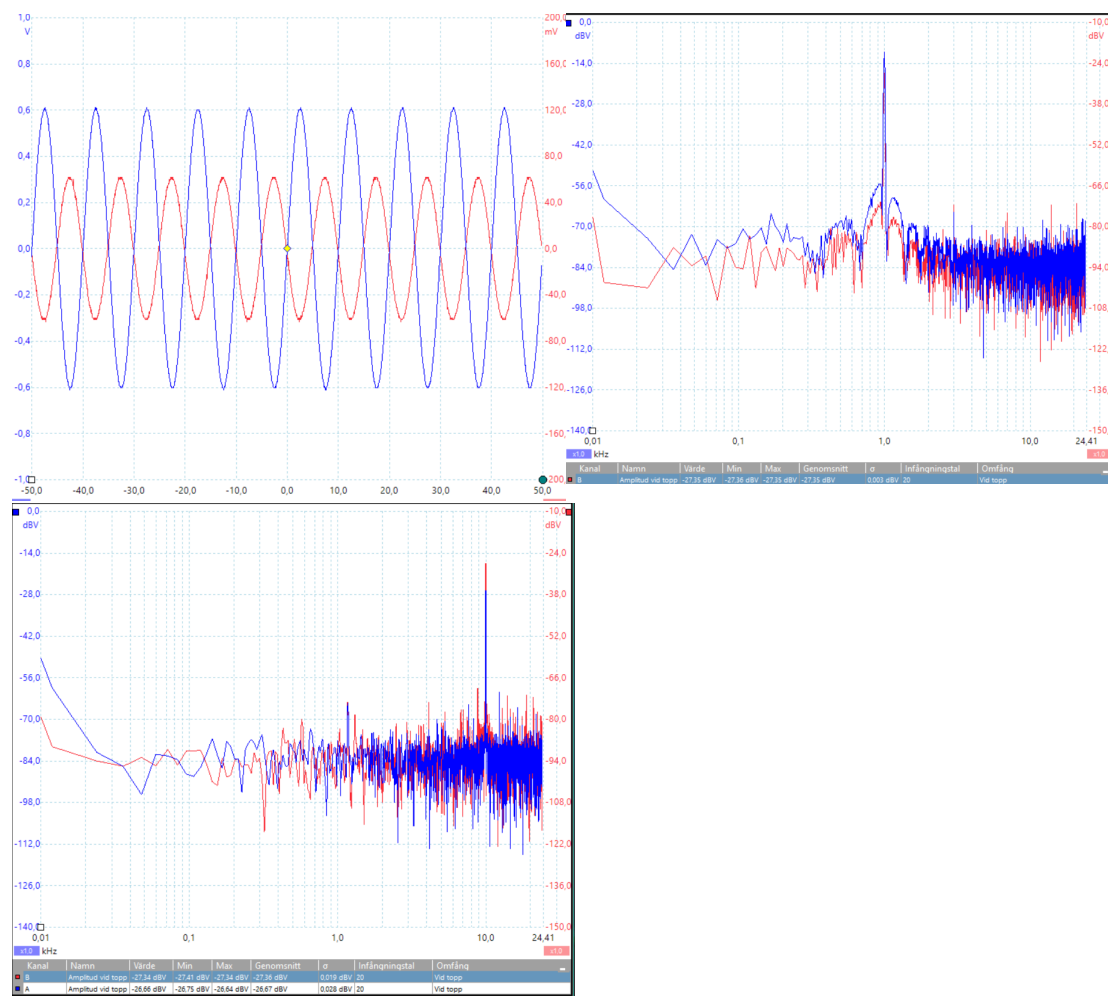
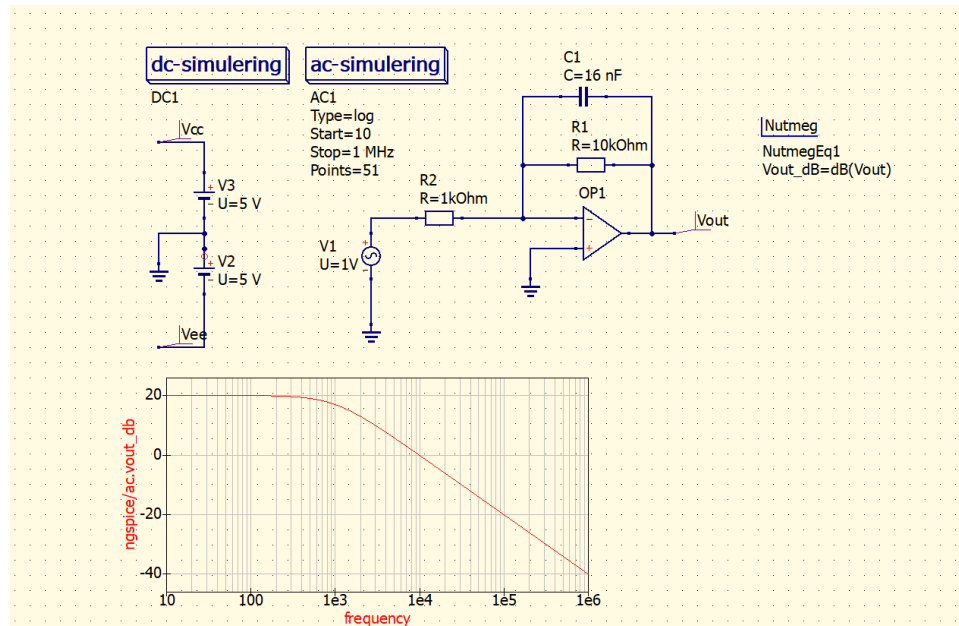
Table 1: With minor distortion

Frequnc y (kHz)	A, Output (dBV)	B, Input (dBV)
0	-38	-56
1	5	-24
2		
3	-41	-70
3.6		-71
4	-50	
5	-43	-73
6		
7	-46	-73
8		
9	-44	-73
10		

Table 2: With distortion

Frequnc y (kHz)	A, Output (dBV)	B, Input (dBV)
0	-5	-55
1	10	-25
2	-22	
3	-2	-70
3.6		-70
4	-21	
5	-13	-72
6	-24	
7	-36	-72
8	-29	
9	-24	-73
10	-37	

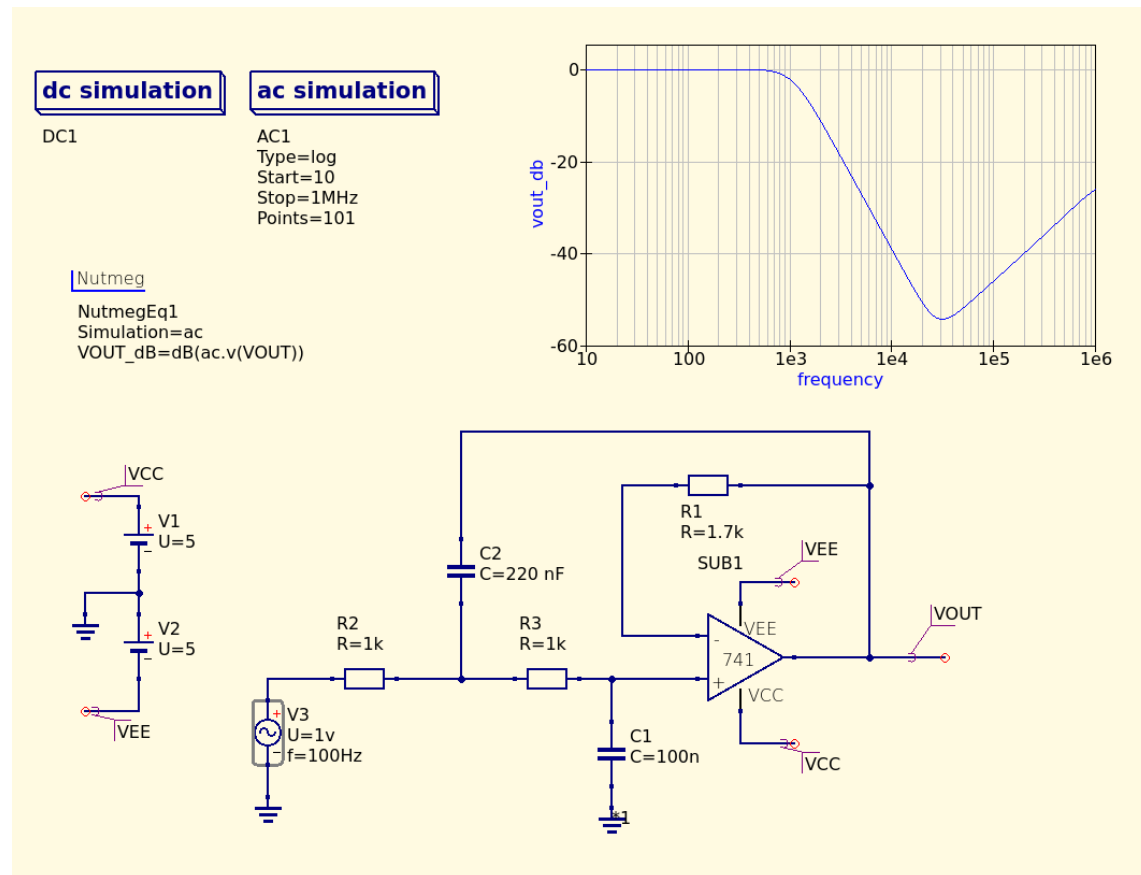
Lab 2



Lab 2: 2.3

Frequency (Hz)	A, Output (dBV)	B, Input (dBV)	Difference (A-B) (dBV)
100	-8.4	-28	19.6
200	-8.0	-28	20
300	-8.0	-28	20
400	-9.4	-29	19.6
500	-8.4	-27	18.6
600	-9.4	-28	18.6
700	-10	-28	18
800	-10	-28	18
900	-12	-29	17
1k	-10	-28	18
2k	-14	-28	14
3k	-18	-28	10
4k	-26	-34	8
5k	-28	-34	6
6k	-26	-31	8
7k	-28	-34	6
8k	-30	-33	3
9k	-30	-33	3
10k	-31	-33	2
20k	-33	-33	0
50k	-40	-31	9
100k	-53	-31	22

3.2 Circuit simulation



Lab2 : 3.3

Frequency (Hz)	A, Output (dBV)	B, Input (dBV)	Difference (A-B) (dBV)
100	-24	-24	0
200	-23	-23	0
300	-23	-23	0
400	-25	-24	1
500	-24	-22	2
600	-26	-25	1
700	-26	-25	1
800	-27	-25	2
900	-30	-27	3
1k	-30	-25	5
2k	-36	-26	10
3k	-41	-27	10
4k	-45	-27	14
5k	-48	-27	21
6k	-50	-27	23
7k	-51	-26	25
8k	-52	-26	26
9k	-53	-26	27
10k	-54	-26	28
20k	-57	-26	31
50k	-57	-27	30
100k	-57	-26	31

