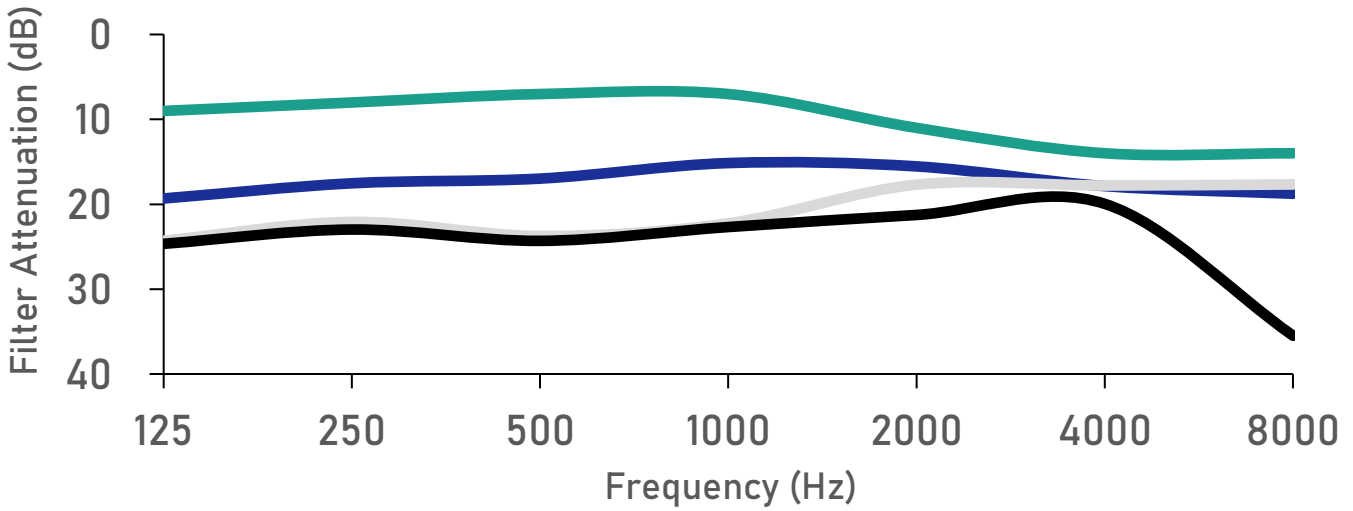


# SOUND ATTENUATION CHARACTERISTICS: DECILO SOFT – LINEAR FILTERS



## decilo Soft Lin. Ocean -10 dB

No Certified Personal Protective Equipment

SNR: 10 dB

H: 10 dB

M: 6 dB

L: 6 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	9.0	8.0	7.0	7.0	10.0	13.0	14.0

## decilo Soft Lin. Blue -17dB

SNR: 15 dB

H: 14 dB

M: 13 dB

L: 14 dB

SNRm: 17 dB

Hm: 16 dB

Mm: 15 dB

Lm: 16 dB

SNRs: 2 dB

Hs: 2 dB

Ms: 2 dB

Ls: 16 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	19.3	17.5	17	15.2	15.5	17.9	18.7
Standard Deviation (dB)	4.7	3.2	4.4	2.2	2.9	3.7	5.6
Assumed Protection Value APV (dB)	14.6	14.4	12.6	12.9	12.6	14.1	13.2

## decilo Soft Lin. White -21dB

SNR: 17 dB

H: 14 dB

M: 17 dB

L: 18 dB

SNRm: 19 dB

Hm: 17 dB

Mm: 19 dB

Lm: 21 dB

SNRs: 2 dB

Hs: 3 dB

Ms: 2 dB

Ls: 2 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	24.3	22.1	23.7	22.2	17.7	17.8	17.7
Standard Deviation (dB)	3.9	3.8	3.5	3.6	3.6	3.1	5.3
Assumed Protection Value APV (dB)	20.4	18.2	20.2	18.7	14.1	14.7	12.4

## decilo Soft Lin. Black -25dB

SNR: 21 dB

H: 19 dB

M: 20 dB

L: 20 dB

SNRm: 23 dB

Hm: 21 dB

Mm: 22 dB

Lm: 22 dB

SNRs: 2 dB

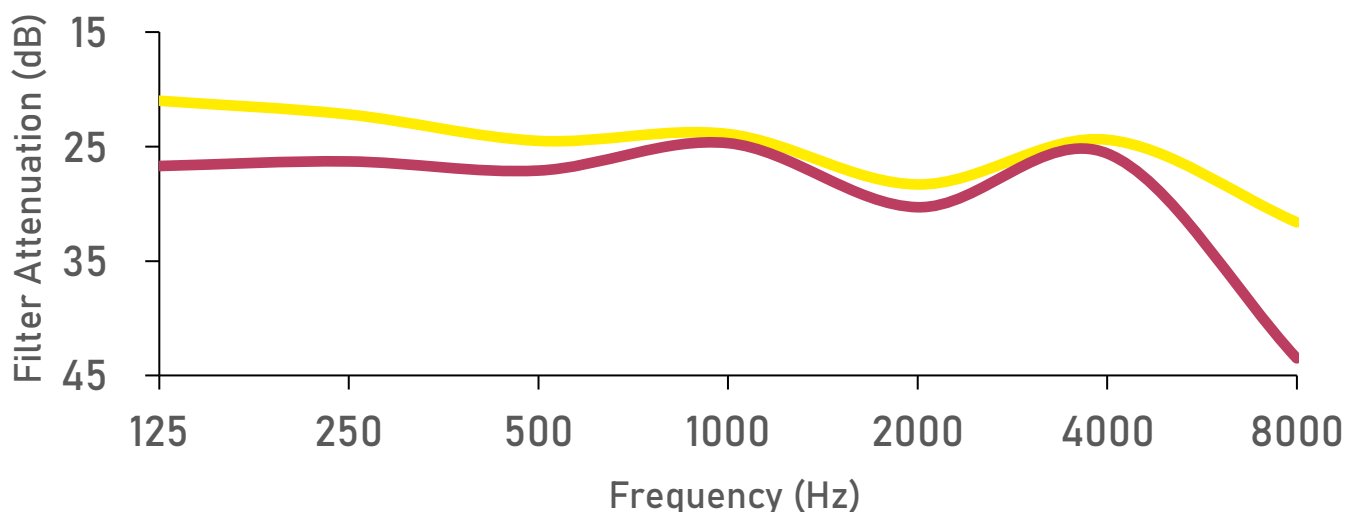
Hs: 2 dB

Ms: 2 dB

Ls: 2 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	24.6	23.0	24.3	22.7	21.2	19.9	35.5
Standard Deviation (dB)	3.9	4.4	4.5	1.9	3.0	2.6	6.1
Assumed Protection Value APV (dB)	20.7	18.6	19.8	20.8	18.3	17.4	29.4

# SOUND ATTENUATION CHARACTERISTICS: DECILO SOFT – NON-LINEAR FILTERS



## decilo Soft N-Lin. Yellow -25dB

SNR: 24 dB      H: 24 dB      M: 22 dB      L: 21 dB  
 SNRm: 26 dB      Hm: 26 dB      Mm: 24 dB      Lm: 23 dB  
 SNRs: 2 dB      Hs: 2 dB      Ms: 2 dB      Ls: 2 dB

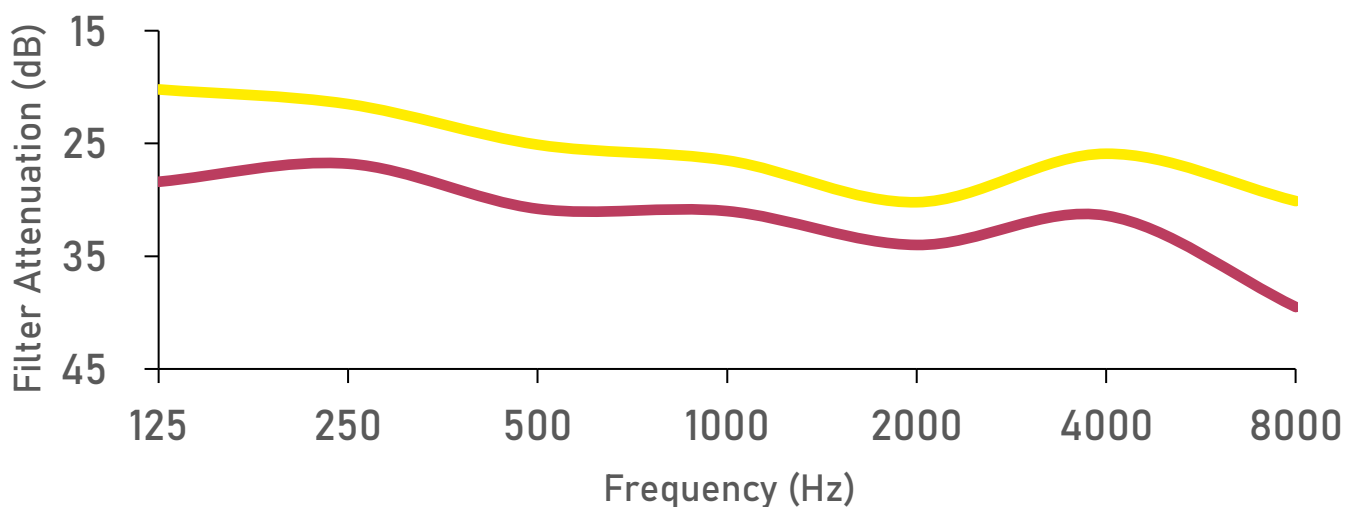
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	21.0	22.2	24.5	23.9	28.3	24.4	31.6
Standard Deviation (dB)	4.5	3.6	2.4	2.7	3.2	2.8	5.5
Assumed Protection Value APV (dB)	16.4	18.6	22.1	21.1	25.1	21.6	26.1

## decilo Soft N-Lin. Purple -29dB

SNR: 26 dB      H: 25 dB      M: 23 dB      L: 23 dB  
 SNRm: 27 dB      Hm: 27 dB      Mm: 26 dB      Lm: 26 dB  
 SNRs: 2 dB      Hs: 2 dB      Ms: 2 dB      Ls: 3 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	26.7	26.3	27.1	24.7	30.3	25.6	43.5
Standard Deviation (dB)	4.9	3.2	4.2	2.9	3.9	3.0	5.0
Assumed Protection Value APV (dB)	21.8	23.1	22.9	21.9	26.3	22.6	38.5

# SOUND ATTENUATION CHARACTERISTICS: DECILO HARD – NON-LINEAR FILTERS



## decilo Hard N-Lin. Yellow -26dB

SNR: 25 dB      H: 25 dB      M: 24 dB      L: 21 dB  
 SNRm: 27 dB      Hm: 27 dB      Mm: 26 dB      Lm: 23 dB  
 SNRs: 2 dB      Hs: 2 dB      Ms: 2 dB      Ls: 2 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	20.2	21.5	25.1	26.5	30.2	25.9	30.1
Standard Deviation (dB)	3.5	3.2	3.8	2.2	3.2	2.6	5.2
Assumed Protection Value APV (dB)	16.7	18.3	21.3	24.2	27.0	23.3	24.9

## decilo Hard N-Lin. Purple -32dB

SNR: 31 dB      H: 30 dB      M: 39 dB      L: 26 dB  
 SNRm: 32 dB      Hm: 32 dB      Mm: 31 dB      Lm: 29 dB  
 SNRs: 1 dB      Hs: 2 dB      Ms: 2 dB      Ls: 3 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	28.4	26.3	30.8	31.0	34.0	31.4	39.5
Standard Deviation (dB)	6.1	4.0	2.5	2.9	3.2	3.5	5.4
Assumed Protection Value APV (dB)	22.3	22.8	28.2	28.1	30.8	28.0	34.1