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..... 1

..... 1

..... 1

..... 1

..... 5

1/3 Octave Smoothing 5

1/24 Octave Smoothing 7

Psychoacoustic Smoothing 7

Reference 8

..... 9

..... 9

..... 9

..... 9

Smoothing

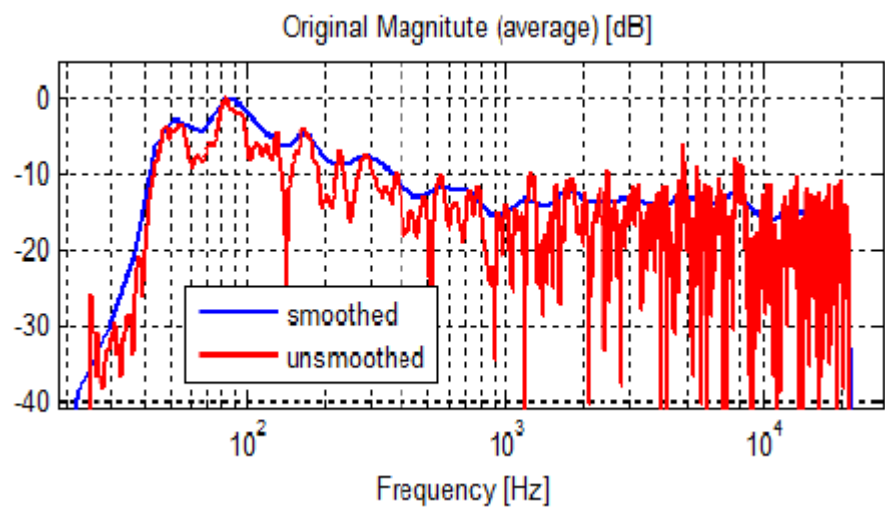
(Smooth)

smoothing()

Smoothing

smoothing

Smoothing



1/3 Octave Smoothing

1/3 Octave Smoothing

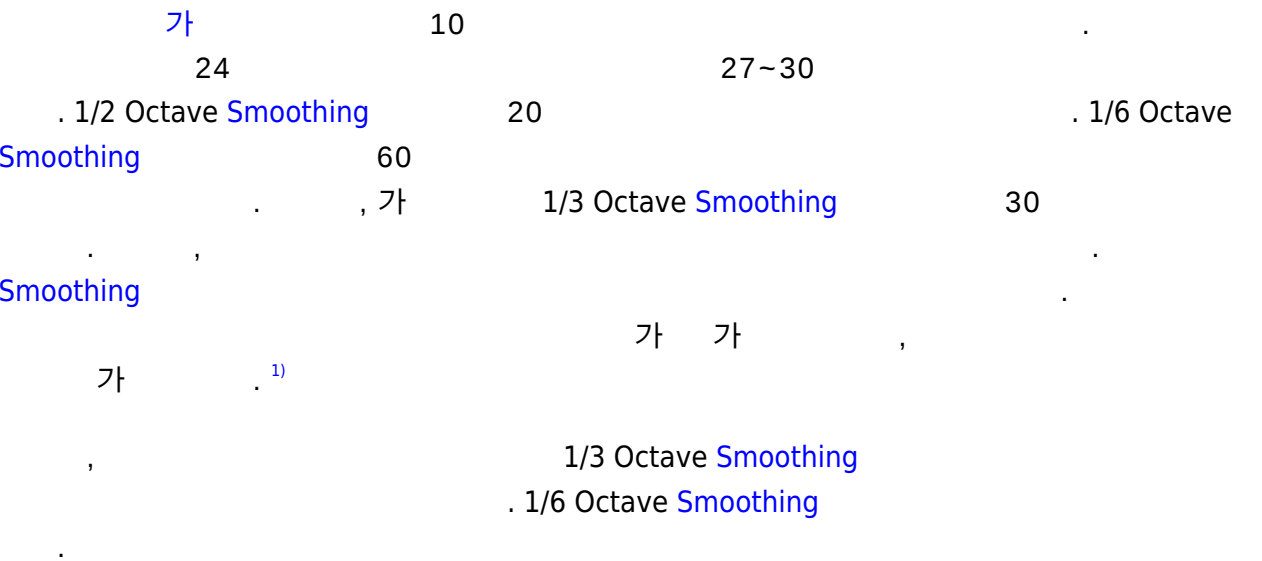
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Band Nr.	Frequenz (Hz)	Band Nr.	Frequenz (Hz)
0	50	14	1970
1	95	15	2340
2	140	16	2720
3	235	17	3280
4	330	18	3840
5	420	19	4690
6	560	20	5440
7	660	21	6375
8	800	22	7690
9	940	23	9375
10	1125	24	11625
11	1265	25	15375
12	1500	26	20250
13	1735		

가 20~20000Hz , 10 .

- 20Hz → 40Hz : 1
- 40Hz → 80Hz : 2
- 80Hz → 160Hz : 3
- 160Hz → 320Hz : 4
- 320Hz → 640Hz : 5
- 640Hz → 1280Hz : 6
- 1280Hz → 2560Hz : 7
- 2560Hz → 5120Hz : 8
- 5120Hz → 10240Hz : 9
- 10240Hz → 20480Hz : 10



Octave [Smoothing](#)

1/24 Octave Smoothing

1/24 Octave [Smoothing](#)

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가 . 1/3, 1/6 Octave [Smoothing](#)

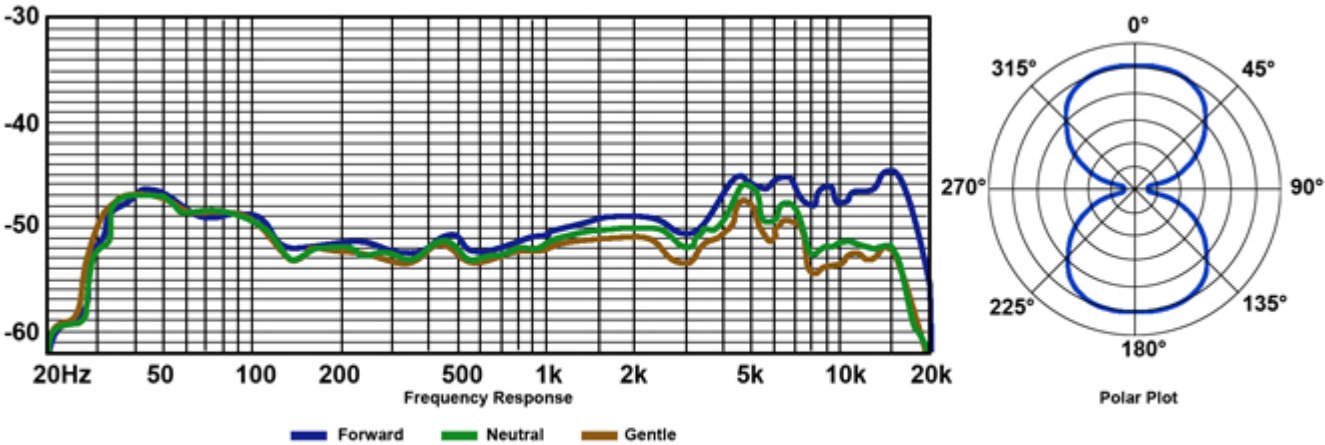


Figure-8

Psychoacoustic Smoothing

Psychoacoustic [Smoothing](#) [Smoothing](#)

REW Manual

Psychoacoustic [smoothing](#) uses 1/3 octave below 100Hz, 1/6 octave above 1 kHz and varies from 1/3 octave to 1/6 octave between 100 Hz and 1 kHz. It also applies more [weighting](#) to [peaks](#) by using a cubic mean (cube root of the average of the cubed values) to produce a plot that more closely corresponds to the perceived [frequency response](#)

Psychoacoustic smoothing	100Hz	1/3 Octave, 1 kHz	1/6 Octave
100Hz	1kHz	1/3 Octave	1/6 Octave

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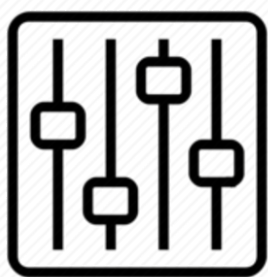
* : 가 .

Reference

- <https://www.prosoundtraining.com/2019/07/26/why-equalize-in-1-3-octave-bands/>
- <https://www.itwissen.info/en/critical-frequency-bands-114154.html>
- <https://www.newfangledaudio.com/post/critical-bands-equivocate>

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: (admin@homerecz.com)