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RT60(REW) 5

RT60 6

RT60 7

Reference 8

 8

 EDT 8

 T20 9

 T30 9

 Topt 9

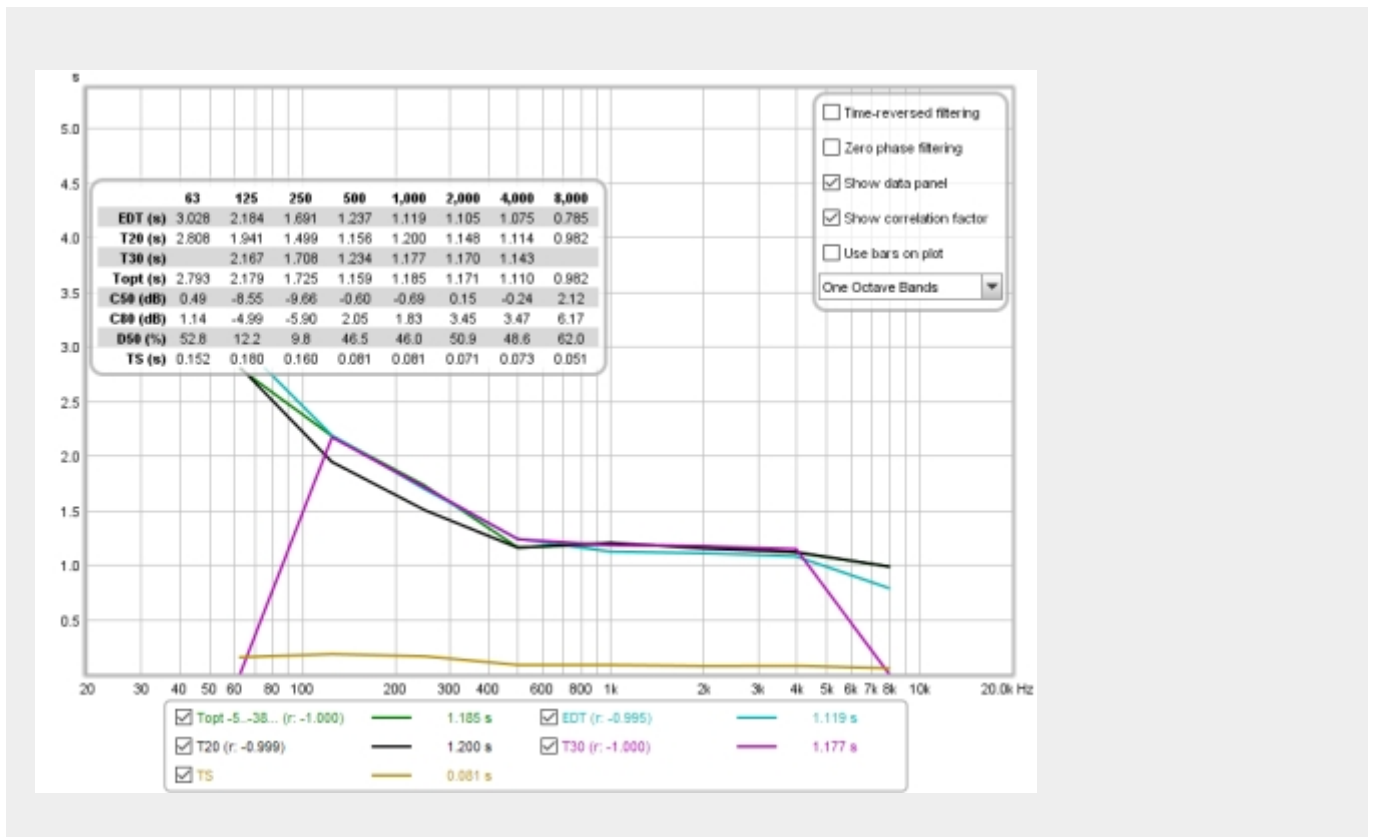
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RT60(REW)



60dB

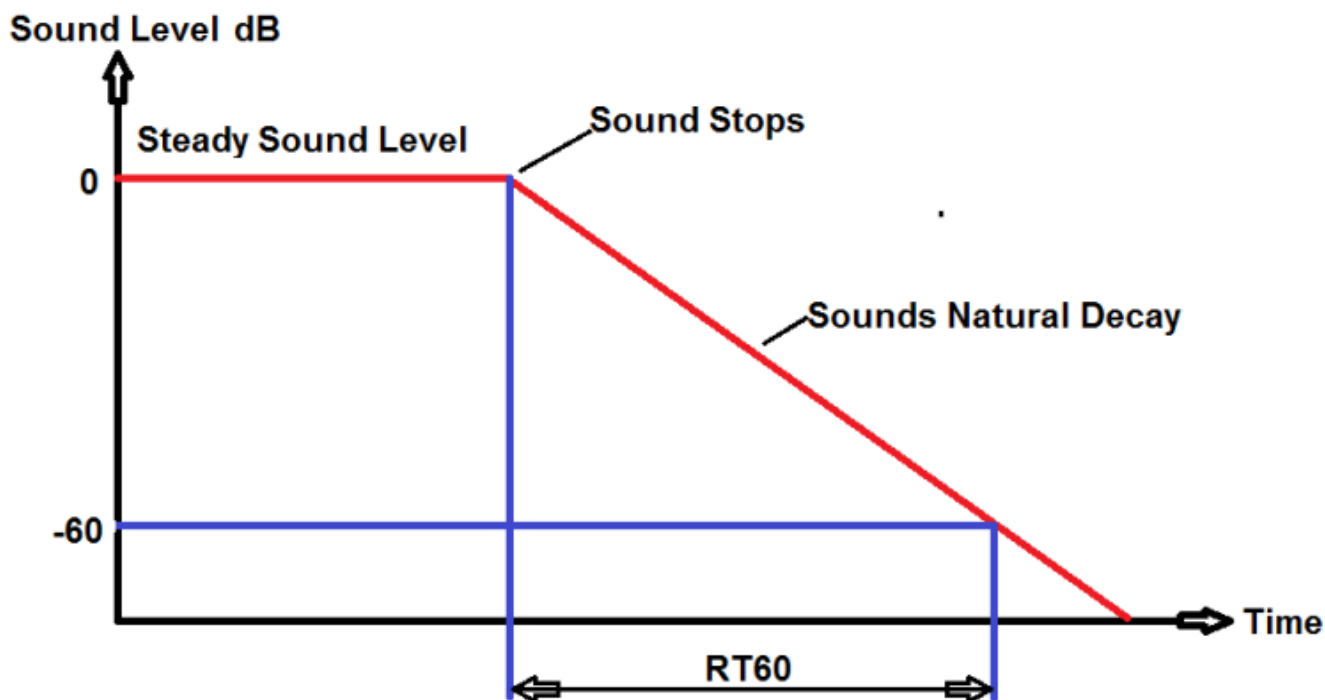
RT60 (Reverberation Time) 가 60dB 가

RT60

RT60 가 RT60 가 RT60

RT60 , 60dB 가

RT60 , RT60 , , ,



Room	RT60 (seconds)
Good classroom	0.6
Echoey classroom	1.2
Underground concrete car garage	3-4

RT60

RT60, or Reverberation Time 60, is a measurement of the time it takes for the sound level to decay by 60 decibels (dB) after the source sound has ceased.

It serves as an indicator of the degree of reverberation in a space and is used to characterize the acoustic properties of an environment. **RT60** quantifies the time it takes for sound to decay, primarily focusing on the duration it takes for the reflected sound energy to decrease by 60 dB.

RT60 is a crucial parameter used in the evaluation and design of acoustic environments. Longer **RT60** values generally indicate spaces with more pronounced reverberation, contributing to a sense of natural diffusion and uniformity in music or speech. However, excessively long **RT60** values can potentially compromise sound accuracy and clarity.

RT60 can be measured through various methods, but a common approach involves generating a sound signal, recording the sound energy levels over time, and calculating the time it takes for the sound to decrease by 60 dB. This measurement provides insights into the acoustic characteristics of a

space and allows for the evaluation and adjustment of the acoustic environment.

RT60 is widely employed in the design and calibration of acoustic settings such as music studios, concert halls, auditoriums, meeting rooms, and more. The appropriate RT60 value may vary depending on the specific usage and acoustic goals of the space, aiming to create an optimized acoustic environment for music, speech, performances, and other applications.

RT60

16Hz 60ms

파장 계산기

주파수

Hz

소리의 속도 : 340m/s

m/s

파장

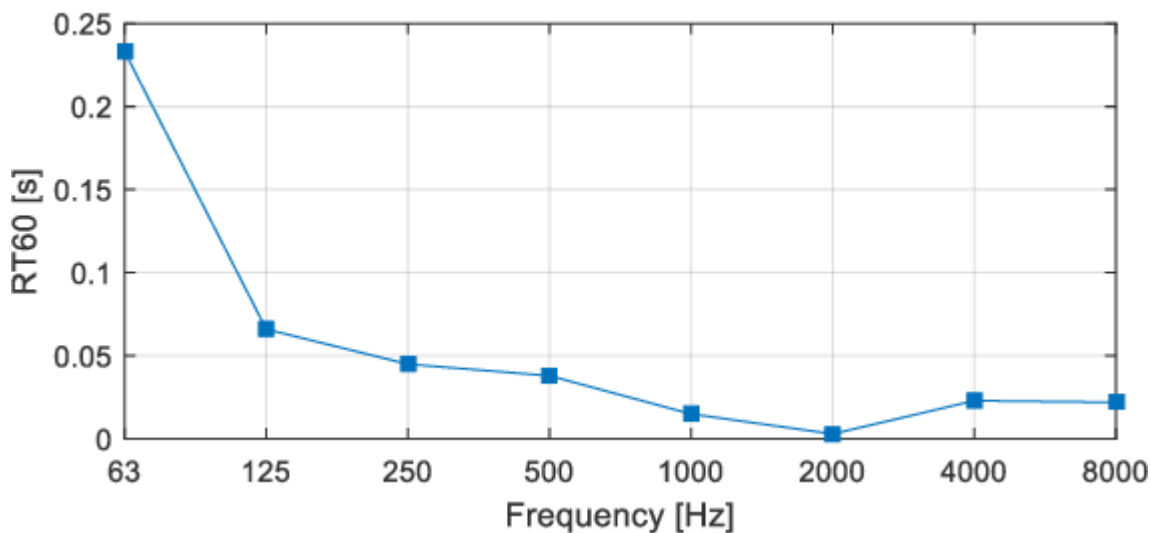
m

주기

ms

RT60 가

RT60

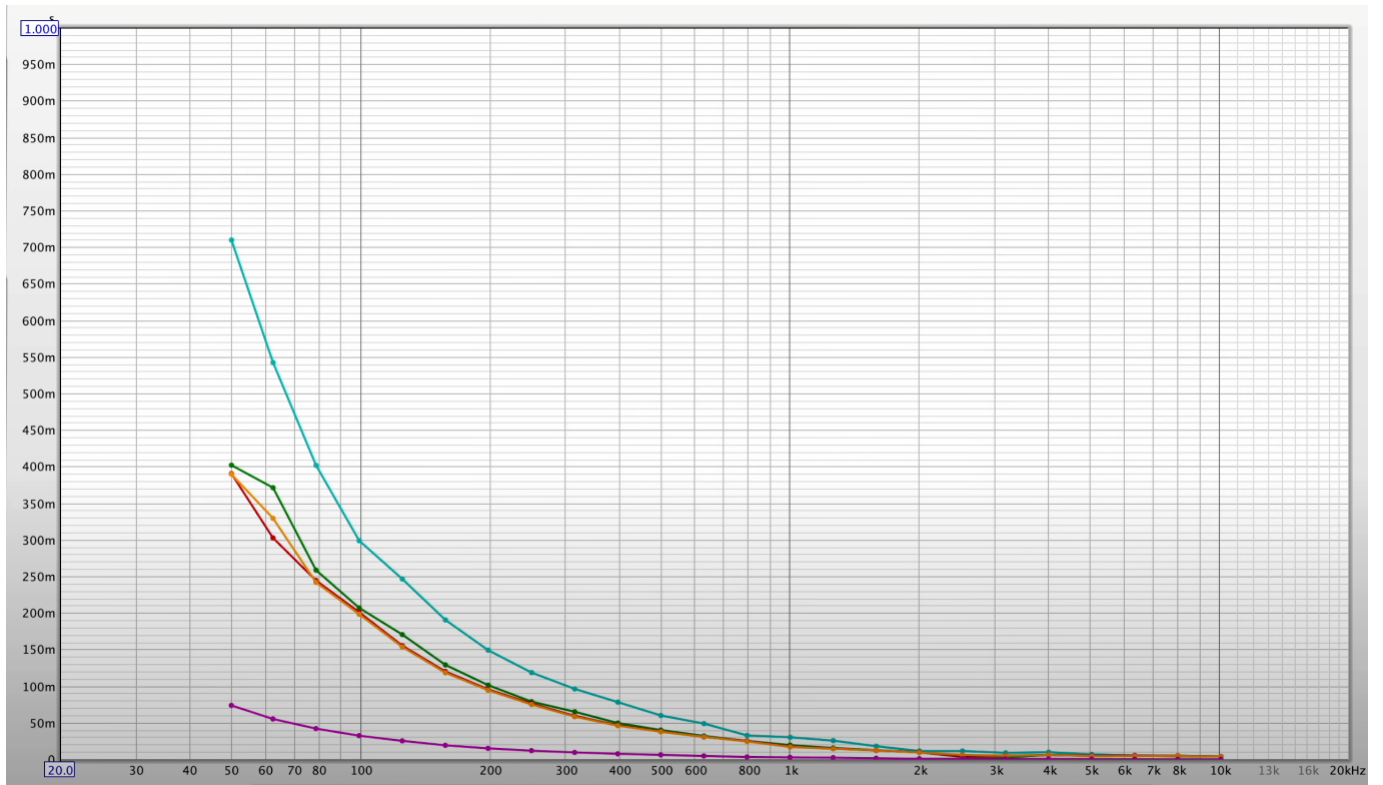


125Hz

가

1)

RT60



가
가

가

RT60

Reference

https://en.wikipedia.org/wiki/Reverberation#Reverberation_time

-60dB

RT60

EDT, T20, T30

가

EDT

-10dB

X 6

(Early Decay Time)

0dB

-10dB

RT60

가

가

RT60

(EDT) EDT가

T20

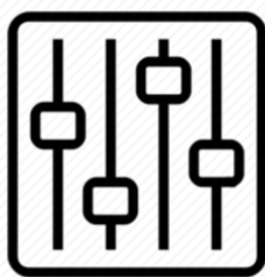
-5dB -25dB X 3

T30

-5dB -35dB X 2

Topt

가 Schroeder Topt EDT T30
 “ RT60 T30 -5dB . REW
 1dB , 가
 1) ,
 RT60 125Hz RT60 가 . 125Hz



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: (admin@homerecz.com)