Smoothing

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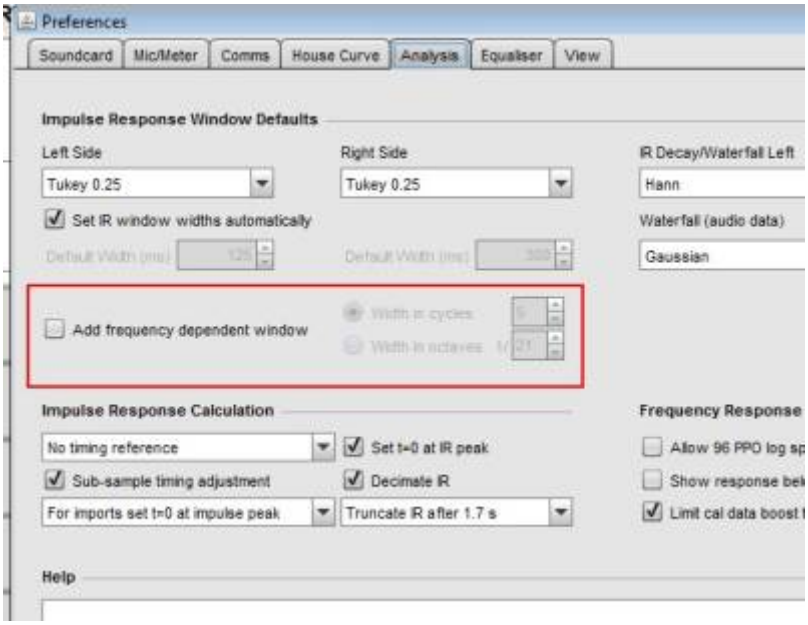
Using REW filters generation and calculate the amplitude correction. As the averaged measurement contains all the information from the individual measurements, you can decide to smooth the curve, using FDW or smoothing tools from REW, in order to generate the filters. The smoother the curve you use to calculate the correction, the less filters will be generated by REW.

Additional smoothing is not needed if FDW (frequency dependent windowing) has been enabled. But if you do, use VAR smoothing as this will wisely smooth differently across the frequency spectrum and will require less EQ in higher frequencies.

Depending on the measurement I use 1/12th or 1/24th octave smoothing and 15 cycles FDW to generate the correction filters and avoid ‘micro-managing’ the amplitude and phase corrections.

But before averaging, you need to check whether you have selected a default FDW in your preferences of REW. If so, you need to be aware that the algebraic functions will be conducted with this FDW applied at each step. This is not a problem, but you should be aware of this. We will use No FDW.



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