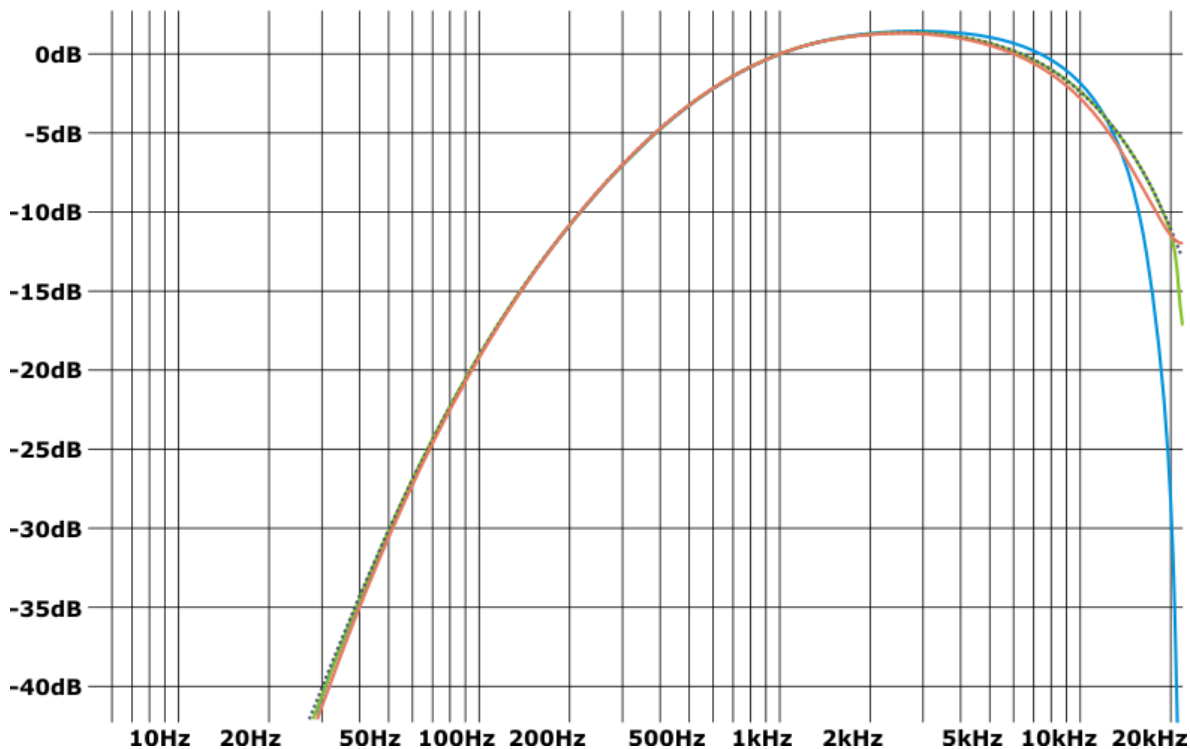


Weighting Filter

This DLL provides one weighting filter with A, B or C characteristic at any independent samplerate. The filter has been designed to match the filter characteristics of an ideal weighting filter up to 10kHz with about 0.1dB deviation. A far closer matching can also be achieved (up to 0.1dB @20kHz) depending on the application.



Comparison of different A Weighting Filters: bi-linear transformed (blue), current default modified (orange), best fit (green), analogue original (green dotted)

The DLL features hand-optimized assembler code for an ultra-low CPU usage. It works blockbased with a completely independent blocksize (can also be 1 sample for samplebased processing).

Usage:

```
procedure WeightingFilterA(StartAdress: PointerToSingleArray;  
Length: Integer; SampleRate : Single); cdecl;
```

```
procedure WeightingFilterB(StartAdress: PointerToSingleArray;  
Length: Integer; SampleRate : Single); cdecl;
```

```
procedure WeightingFilterC(StartAdress: PointerToSingleArray;  
Length: Integer; SampleRate : Single); cdecl;
```