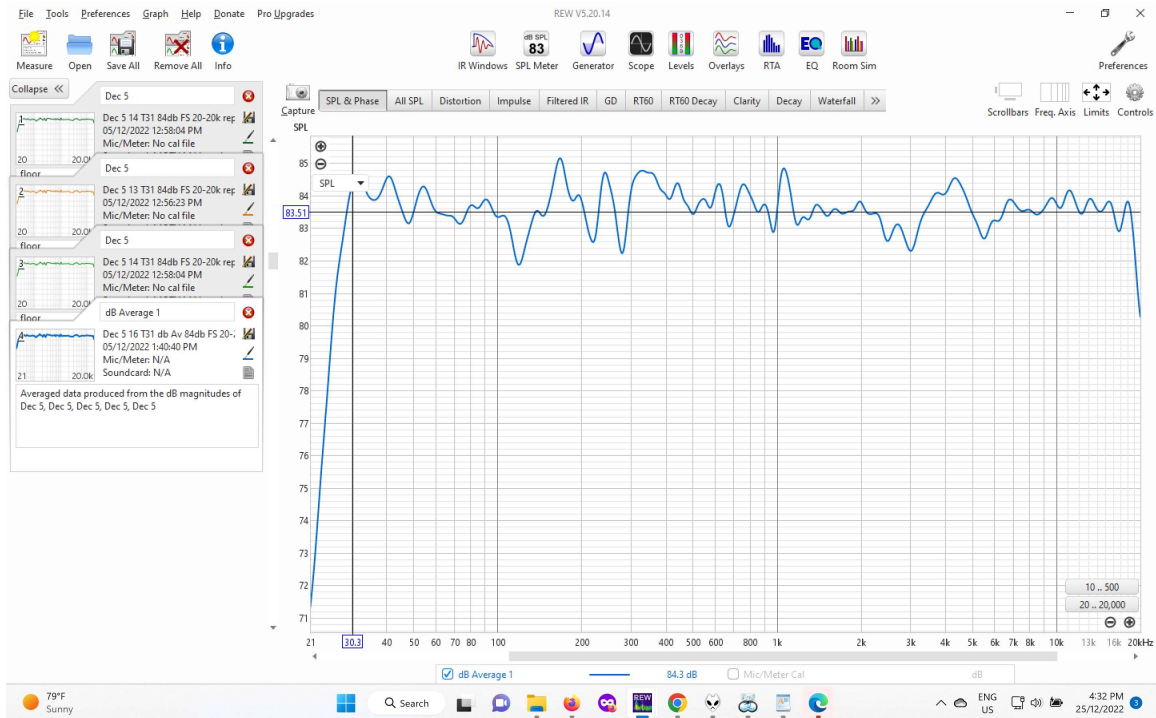


5. Fix up a few bumps and potholes in the SPL.

When the crossover in practice does not perform like the crossover in theory we are often left with some bumps and potholes in the SPL that bridge two drivers and therefore are difficult to EQ on a driver by driver basis. The solution is to measure the SPL, get REW to calculate the EQ required, then add the filters to the **Input** channel.

So, here is the SPL-

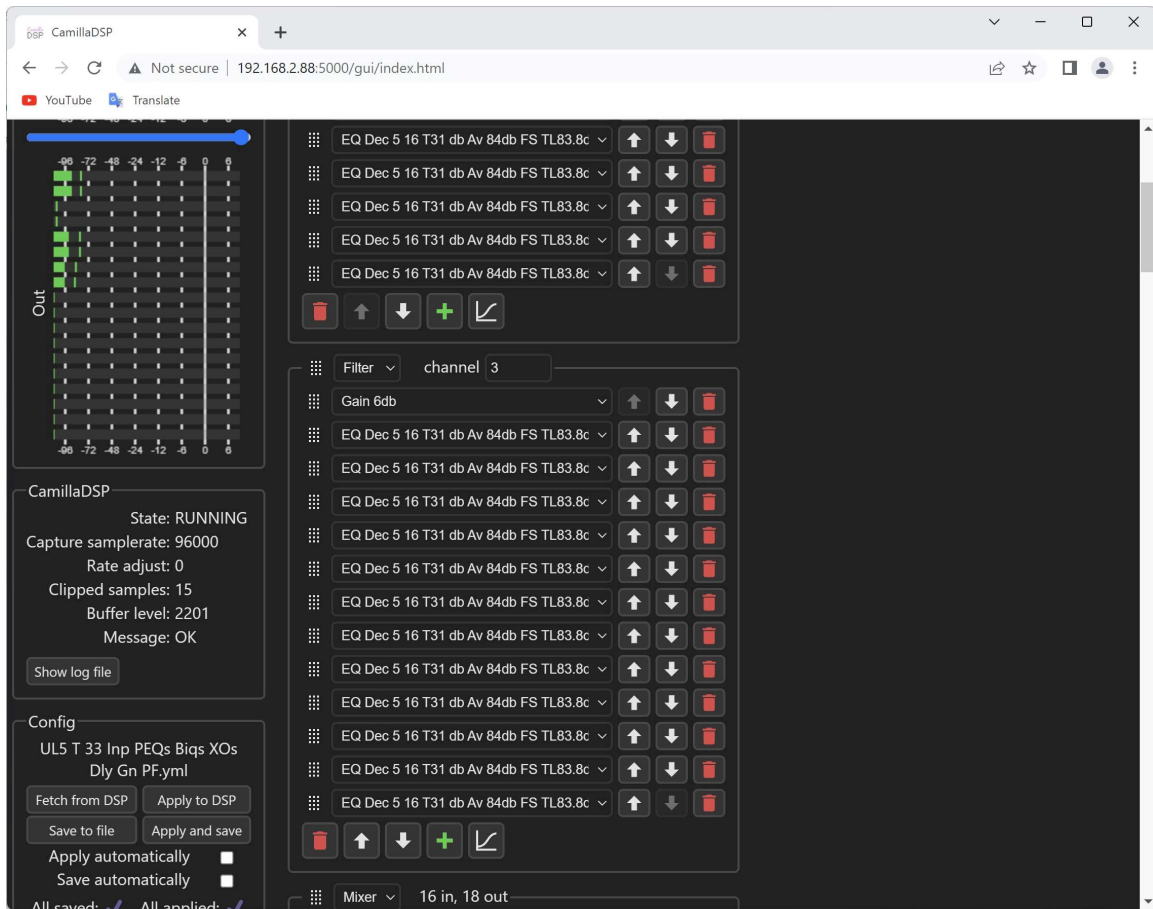


This is an average of 3 measurements and shows +and _ 2db but with a few bumps.

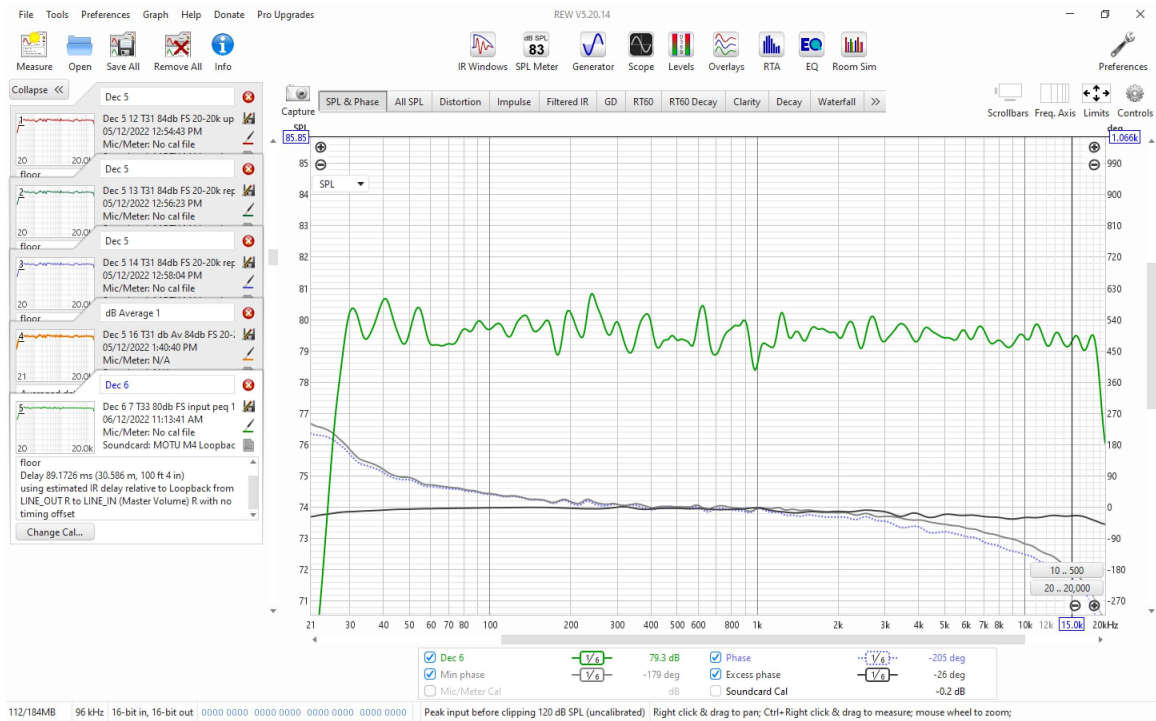
EQ settings -



These filters are saved and then cut'n'pasted into the Config file, here is a section of the Input in the pipeline.



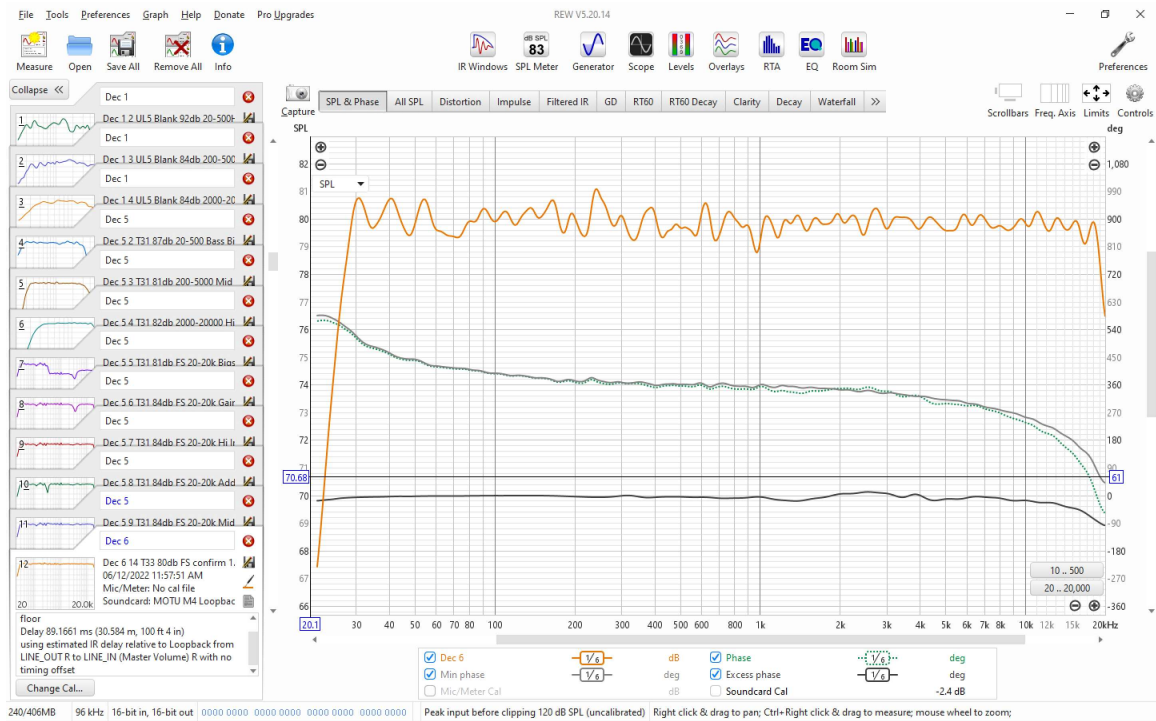
Here iare the input PEQs/Biquad filters applied



Dec 6 7 T33 80db FS input peq 167Hz to 0db.mdat

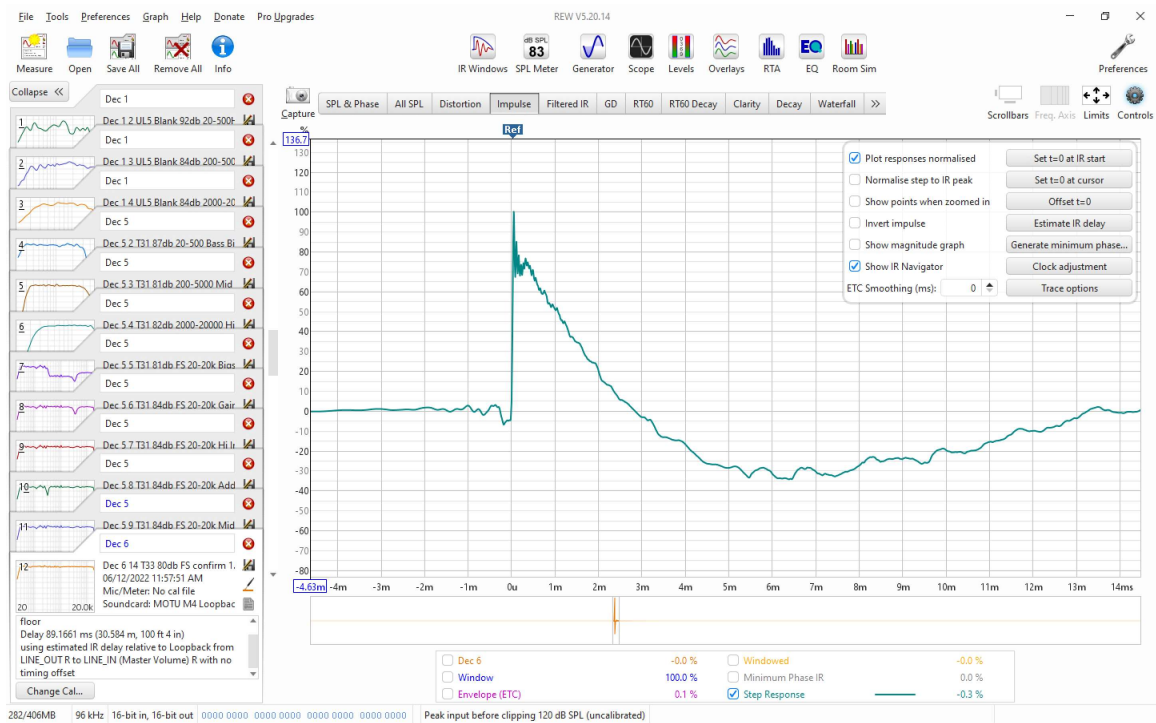
SPL is pretty good, so thought I would have a go at getting Phase a bit better, so a couple of PFs (Phase Fix) later.....

Here is a sweep with Hi (PF9) and Mid (PF8)



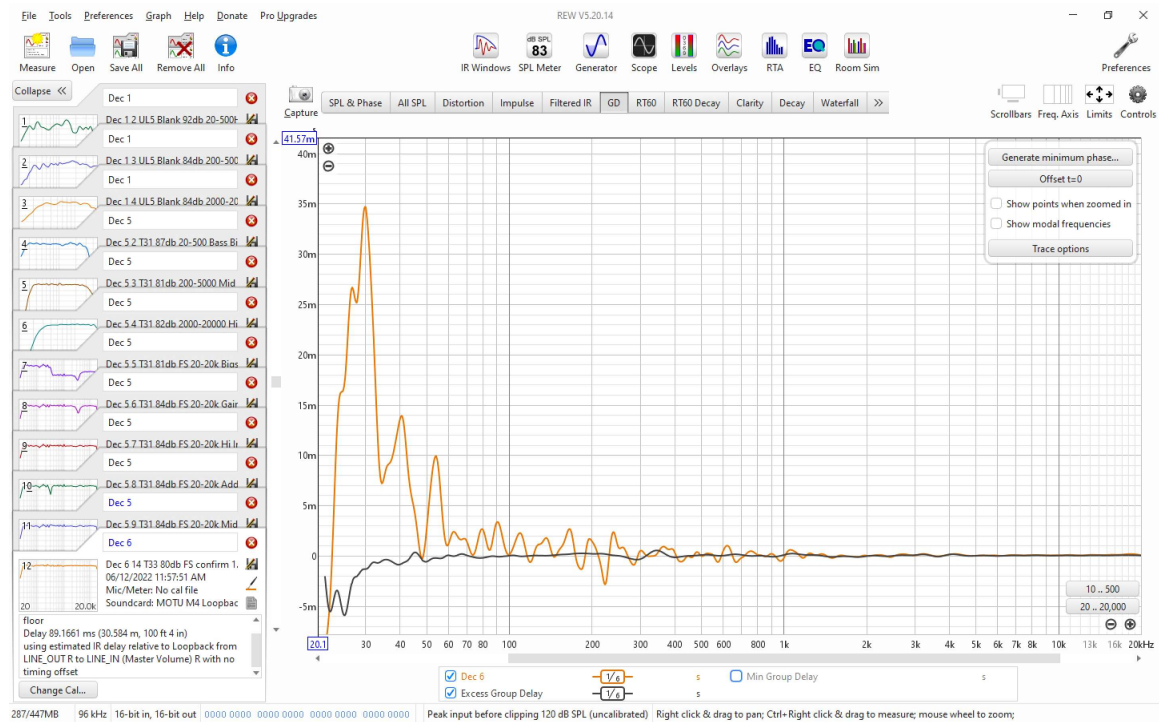
Dec 6 14 T33 80db FS 20-20kHz Mid at PF8 Hi at PF9 SPL and Phase.jpg

Impulse



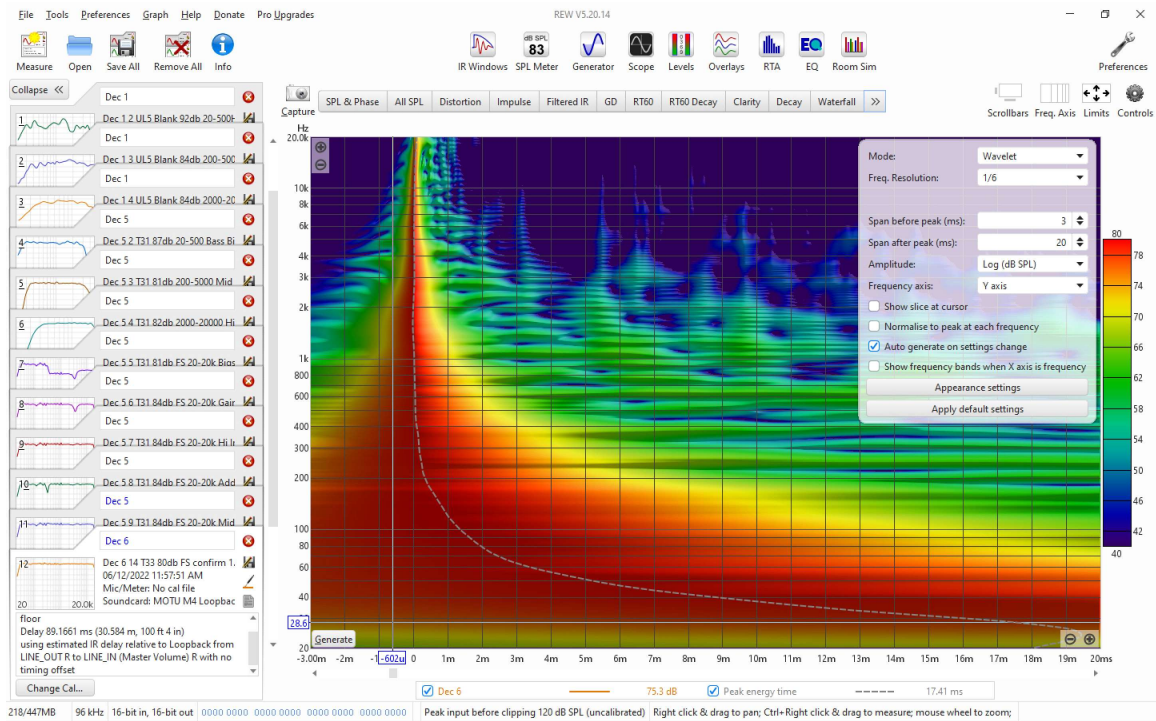
Dec 6 14 T33 80db FS 20-20kHz Mid at PF8 Hi at PF9 Impulse.jpg

Group Delay



Dec 6 14 T33 80db FS 20-20kHz Mid at PF8 Hi at PF9 GD.jpg

Spectrogram



Dec 6 14 T33 80db FS 20-20kHz Mid at PF8 Hi at PF9 Spectrogram