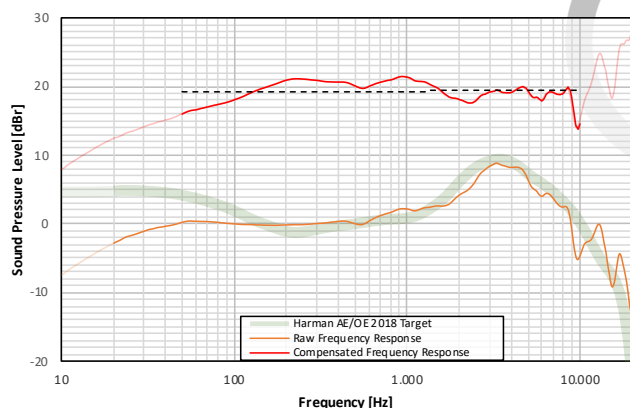
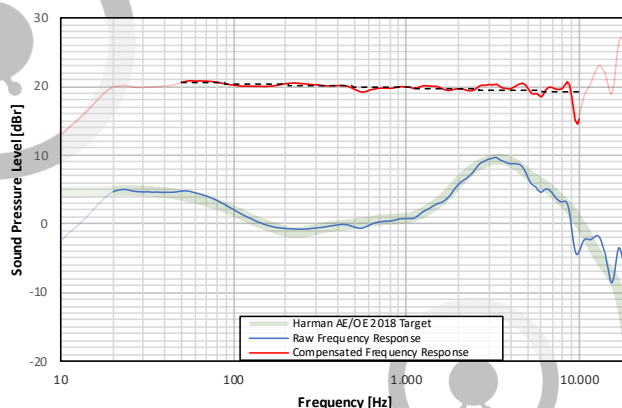


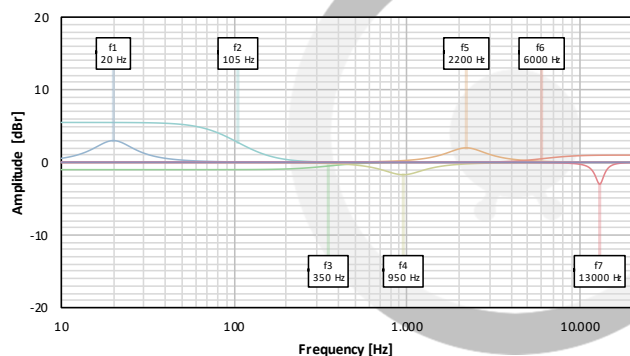
SPL Frequency Response  
without EQ



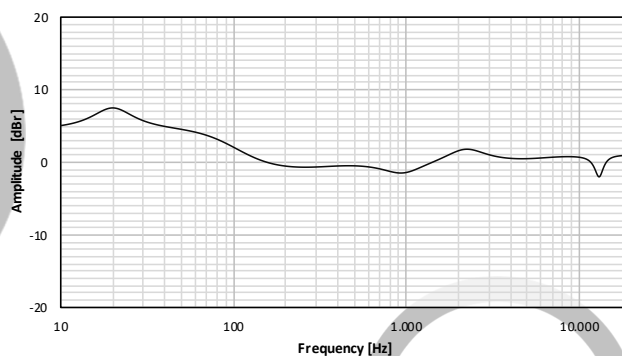
SPL Frequency Response  
with EQ



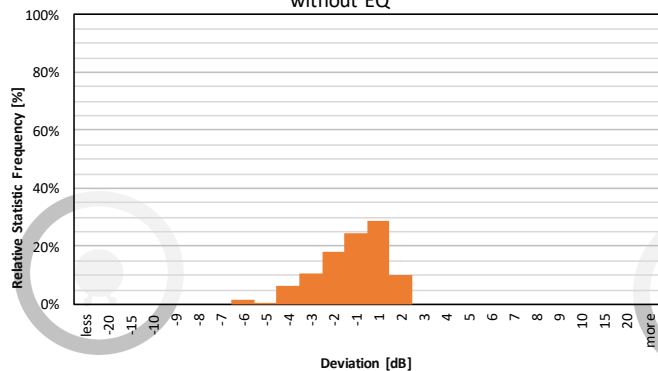
EQ Curve  
Individual Filters



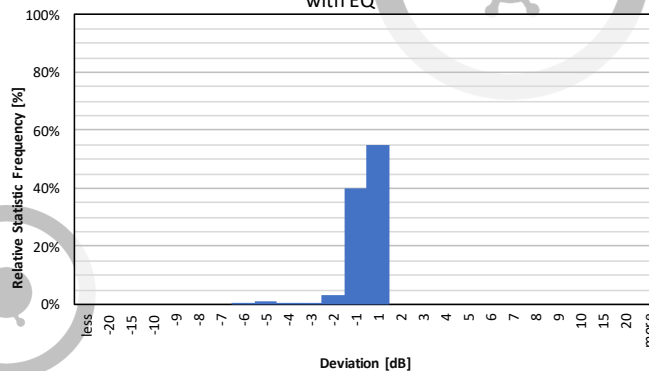
EQ Curve  
total



Error Curve Histogram  
without EQ



Error Curve Histogram  
with EQ



Filter Settings					
Band	Filter Type	Frequency	Gain	Q-Factor	BW
Band 1	PEAK	20 Hz	3,0 dB	1,4	1,01
Band 2	LOW_SHELF	105 Hz	5,5 dB	0,71	1,89
Band 3	LOW_SHELF	350 Hz	-1,0 dB	0,71	1,89
Band 4	PEAK	950 Hz	-1,7 dB	1,4	1
Band 5	PEAK	2200 Hz	2,0 dB	1,4	1,01
Band 6	HIGH_SHELF	6000 Hz	1,0 dB	0,71	1,89
Band 7	PEAK	13000 Hz	-3,0 dB	4,0	0,36
Band 8					
Band 9					
Band 10					

Preamp gain:	
-	-7,5 dB
Deviation from Target	
Before EQ	1,40 dB
After EQ	0,42 dB
Preference Rating*	
Before EQ	95/100
After EQ	100/100

Adjust gain of band 2 to preference (bass)  
Adjust gain of band 4 to preference (midrange accuracy / shoutiness)  
Adjust gain of band 5 to preference (lower treble presence)  
Adjust gain of band 6 to preference (treble)

\*preference rating prediction based on:

- [1] S. Olive et al: "A Statistical Model That Predicts Listeners' Preference Ratings of In-Ear Headphones: Part 1" (2017)
- [2] S. Olive et al: "A Statistical Model That Predicts Listeners' Preference Ratings of In-Ear Headphones: Part 2" (2017)
- [3] S. Olive et al: "A Statistical Model That Predicts Listeners' Preference Ratings of Around-Ear and On-Ear Headphones" (2018)

The normalized preference ratings are used, where zero deviation from target equals a preference rating of 100