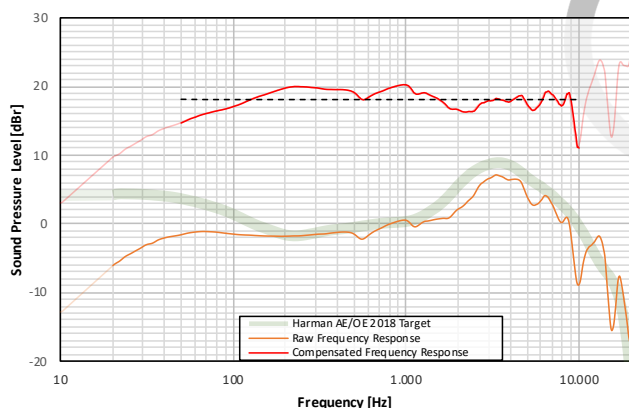
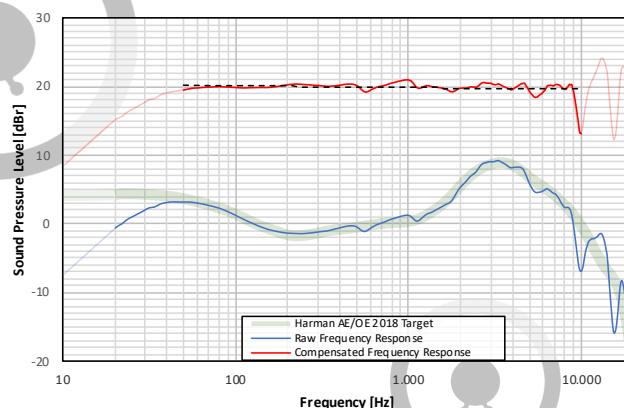


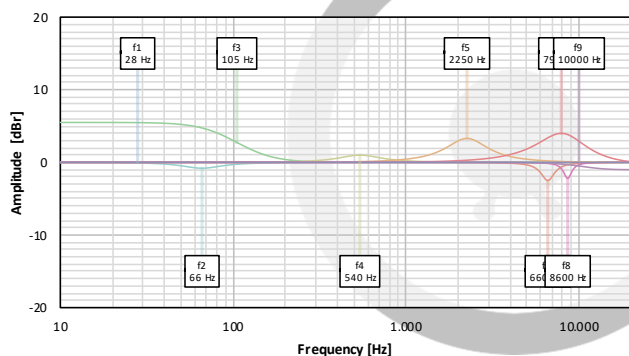
SPL Frequency Response
without EQ



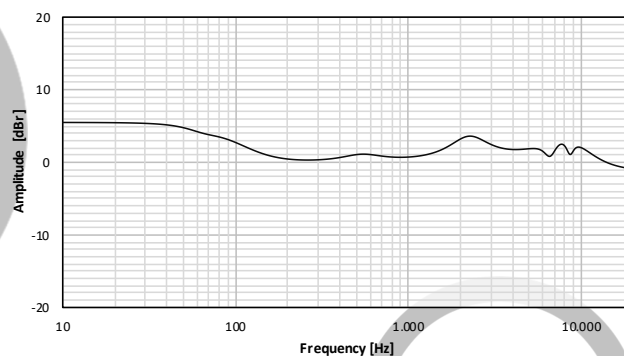
SPL Frequency Response
with EQ



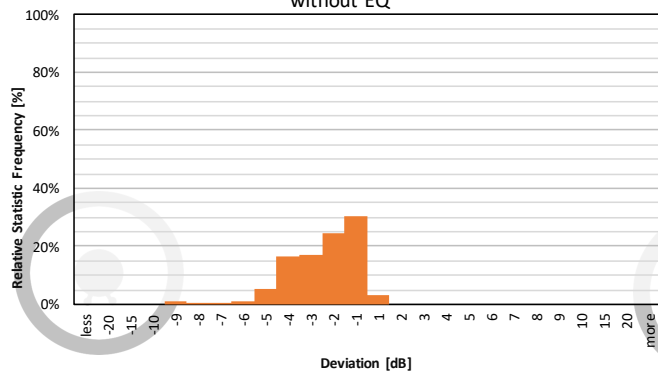
EQ Curve
Individual Filters



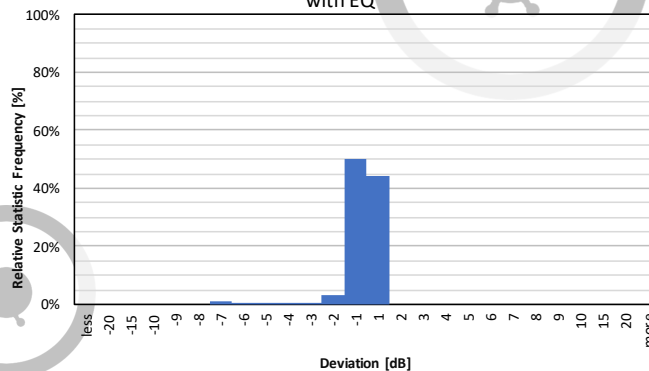
EQ Curve
total



Error Curve Histogram
without EQ



Error Curve Histogram
with EQ



Filter Settings					
Band	Filter Type	Frequency	Gain	Q-Factor	BW
Band 1	LOW_SHELF	28 Hz	0,0 dB	0,71	
Band 2	PEAK	66 Hz	-0,8 dB	1,5	0,94
Band 3	LOW_SHELF	105 Hz	5,5 dB	0,71	
Band 4	PEAK	540 Hz	1,0 dB	1,4	1,01
Band 5	PEAK	2250 Hz	3,3 dB	1,4	1,01
Band 6	PEAK	6600 Hz	-2,5 dB	4,0	0,36
Band 7	PEAK	7900 Hz	4,0 dB	1,0	1,39
Band 8	PEAK	8600 Hz	-2,2 dB	6,0	0,24
Band 9	HIGH_SHELF	10000 Hz	-1,0 dB	0,71	
Band 10					

Preamp gain:	
-	-5,5 dB
Deviation from Target	
Before EQ	2,08 dB
After EQ	0,42 dB
Preference Rating*	
Before EQ	94/100
After EQ	101/100

Adjust gain of band 3 to preference (bass)
Adjust gain of band 1 to preference (subbass, set to 6 dB for linear extension)
Adjust gain of band 5 to preference (timbral accuracy / shoutiness)
Adjust gain of band 7 to preference (sibilance)
Adjust gain of band 9 to preference (airiness)

*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