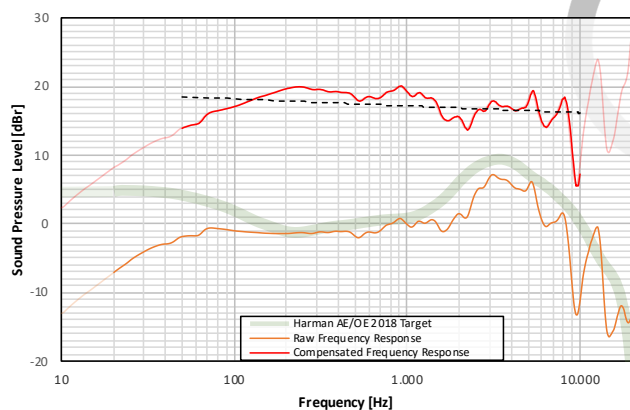
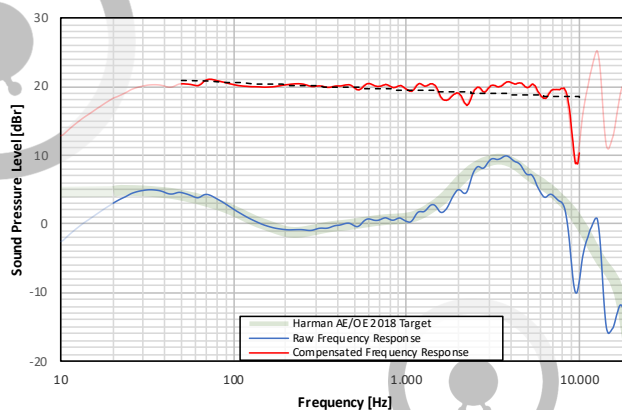


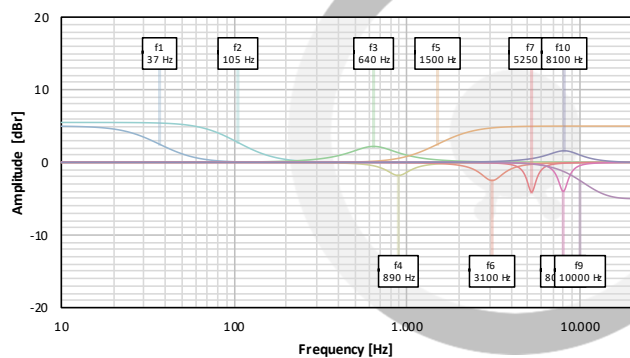
SPL Frequency Response
without EQ



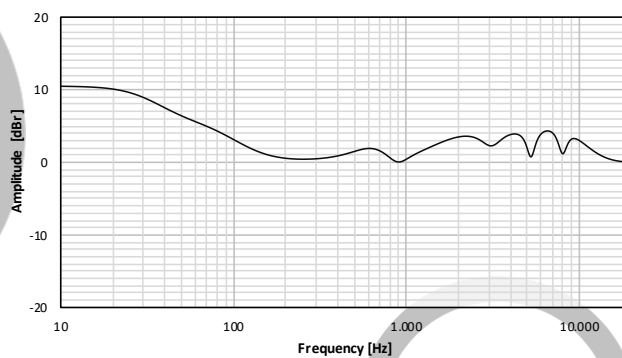
SPL Frequency Response
with EQ



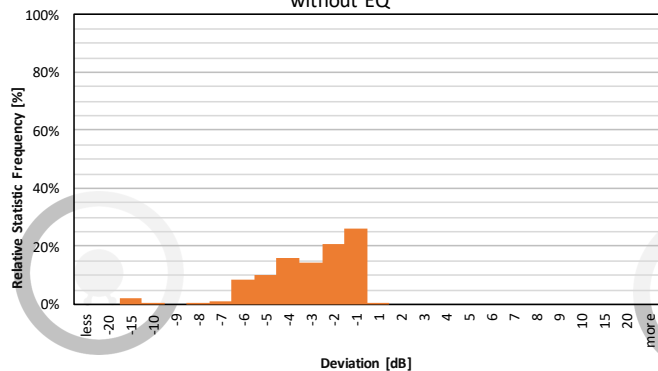
EQ Curve
Individual Filters



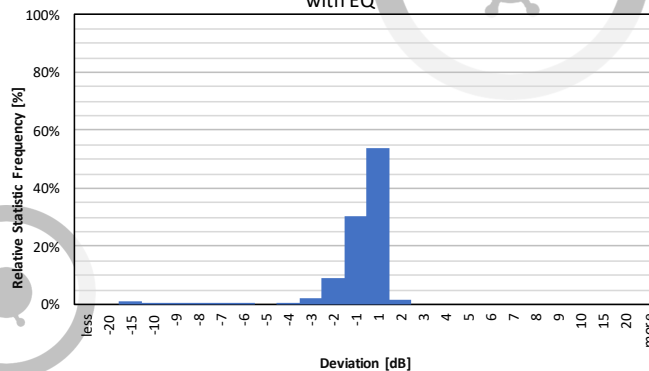
EQ Curve
total



Error Curve Histogram
without EQ



Error Curve Histogram
with EQ



| Filter Settings | | | | | |
|-----------------|-------------|-----------|---------|----------|------|
| Band | Filter Type | Frequency | Gain | Q-Factor | BW |
| Band 1 | LOW_SHELF | 37 Hz | 5,0 dB | 0,71 | |
| Band 2 | LOW_SHELF | 105 Hz | 5,5 dB | 0,71 | |
| Band 3 | PEAK | 640 Hz | 2,2 dB | 1,2 | 1,17 |
| Band 4 | PEAK | 890 Hz | -1,8 dB | 2,5 | 0,57 |
| Band 5 | HIGH_SHELF | 1500 Hz | 5,0 dB | 0,71 | |
| Band 6 | PEAK | 3100 Hz | -2,5 dB | 2,5 | 0,57 |
| Band 7 | PEAK | 5250 Hz | -4,1 dB | 6,0 | 0,24 |
| Band 8 | PEAK | 8000 Hz | -4,0 dB | 5,0 | 0,29 |
| Band 9 | HIGH_SHELF | 10000 Hz | -5,0 dB | 0,71 | |
| Band 10 | PEAK | 8100 Hz | 1,6 dB | 1,4 | 1,01 |

| | | |
|-----------------------|----------|----------|
| Preamp gain: | | -10,5 dB |
| Deviation from Target | | |
| Before EQ | After EQ | |
| 2,89 dB | 0,67 dB | |
| Preference Rating* | | |
| Before EQ | After EQ | |
| 77/100 | 100/100 | |

Adjust gain of band 1 to preference (subbass)
Adjust gain of band 1 to preference (bass)
Adjust gain of band 5 to preference (treble)
Adjust gain of band 9 to preference (airiness)
Adjust gain of band 10 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