●RATORY1990 EQ setting for Sennheiser HD599 (preliminary) SPL Frequency Response SPL Frequency Response with EQ without EQ 30 30 20 20 Level [dBr] Sound Pressure Level [dBr] 0 -10 -10 larman AF/OF 2018 Target Harman AF/OF 2018 Target Compensated Frequency Respon Compensated Frequency Resp -20 -20 10 10 100 1.000 100 Frequency [Hz] Frequency [Hz] **EQ Curve EQ** Curve Individual Filters total 20 20 f3 2950 Hz f1 105 Hz 10 10 [dBr] Amplitude -10 -10 f2 170 Hz f4 1050 Hz -20 -20 10 100 10.000 10 Frequency [Hz] Frequency [Hz] Error Curve Histogram Error Curve Histogram without EQ with EQ 100% 100% % 8 60% 60% 40% 40% 20% 20% 10 15 20 nore 10 15 20 more less -20 -15 -10 20 15 Deviation [dB] Deviation [dB] LOW SHELF Band 1 105 Hz 5.0 dB 0.71 0,45 Band 3 PEAK 2950 Hz -4.5 dB 0.73 Before EQ After E0 1050 Hz 1,0 Band 5 9300 Hz 3,0 Band 6 Band 7 Before EQ After EQ

Band 9

^{*}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