

DD45 Earphone RETSPL Values

The values in the following table relate to the Interacoustics DD 45 supra-aural audiometric earphones with pure tone. These values have been measured by the accredited national laboratories PTB in Germany and DTU in Denmark according to studies commissioned by the William Demant Diagnostics Group.

The results from the two studies were combined by averaging the median values from each study according to the formula:

$$\text{Result} = (\text{MedianPTB} + \text{MedianDTU})/2$$

DD45 - Pure Tone	
Recommended reference equivalent threshold sound pressure levels in an IEC 60318-3 compliant coupler	
Frequency	RETSPL (Reference: 20µPa) SPL à HL
Hz	dB
125	47.5
160 *	40.5
200 *	33.5
250	27.0
315 *	22.5
400 *	17.5
500	13.0
630 *	9.0
750	6.5
800 *	6.5
1000	6.0
1250 *	7.0
1500	8.0
1600 *	8.0
2000	8.0
2500 *	8.0
3000	8.0
3150 *	8.0
4000	9.0
5000 ¹	10.0
6000	20.5
6300 *	19.0
8000	12.0

Notes:

*interpolated value

¹value from PTB study alone

Mean value of:

PTB report 1.61 - 4039503/09

DTU report 27 October 2009

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