

## CO-ORDINATION OF NOTIFIED BODIES PPE Regulation 2016/425

PPE-R/04.050

Version 2

RECOMMENDATION FOR USE				
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Origin : Vertical Group 4			<ul><li>✓ Vertical Group</li><li>✓ Horizontal Committee</li><li>✓ EU PPE Expert Group</li></ul>	20.05.2021 01.10.2021 18.11.2022
Question related to S	PE Regulation  PPE Guidelines	⊠ EN/prE A1:2005	:N: : EN 352-5:2002 +	☐ Other:
Article: Annex: Clause		Clause: 6.	1 c) and Annex B	
Key words:				
Hearing protectors with ac	tive noise control			
the user information is n	y specify the procedure to calculate the toot required to contain the total attenuatio attenuation be calculated and what atten	n, only the acti	ve values.	
Solution:				
	he assumed protection value (APV) of the cording to EN 352-5, Annex B and the pa			
measured according to a 2. Interpolate the subject bands between 63 Hz a 3. Add the mean values a octave band. 4. Average the three one negative values, i.e. the results of the subject to the subject t	nd standard deviation of the active attenushapter 5.2/Annex B of EN 352-5. ive REAT data (from 16 test subjects accord 8 kHz for mean and SD. Extrapolate to fithe two contributions (active and passingly)—third-octave bands of total attenuation fresidual level under the HPD). The lowes enuation in octave bands.	ording to EN IS he subjective ove) to get the nor	SO 4869-1:2018) linearly in one data to 50 Hz and 10 kHz. nean of the total attenuation for band (between 63 Hz and 8 kH	e-third- octave reach one-third- lz) energetically (using

5. Sum the standard deviation of passive and active attenuation quadratically for one-third-octave bands between 50 Hz and 10 kHz.

6. Average the three standard deviation values for one octave band (between 63 Hz and 8 kHz) energetically using positive values, i.e. the highest value has the highest weight for the end result. This yields the standard deviation of the total attenuation in octave bands.

7. Calculate the APV for each octave band by subtracting the standard deviation from the mean of the total attenuation.

$$APV_{tot} = m_{tot} - s_{tot}$$

Content of the user information (6.1 c):

The user information shall contain the mean, standard deviation and APV between 63 Hz and 8 kHz for the total attenuation together with the derived HML and SNR values.