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June 4, 2021

Test ID Q6889A

CLEAR 360 Ventures, Inc. 649 SW Whitmore Drive Port St. Lucie, Florida 34984

Peak impulse noise reduction has been measured according to ANSI S12.42-2010 on the CLEAR 360 Ventures, Inc.CLEAR 360 Pro electronic insert-type hearing protector (test ID Q6889A). Table 1 summarizes the peak reduction levels as measured with the GRAS 45CB test fixture. All measurements were made with the unit turned ON, volume set at maximum.

NIOSH has established criteria for safe human exposure to impulse noise. Exposure to one impulse of 140 dB (Peak) is considered a noise dose of 100%. Exposure to lower peak levels is less hazardous, therefore humans can be exposed to a greater number of impulses per day. Besides Peak reduction, Table 1 also includes the allowable number of impulses per day according to the NIOSH criteria, assuming that the impulse peak level is reduced by the dB reduction measured by the test fixture. Note that these are fixture measurements using a cylindrical ear canal, and may not accurately represent fitting on human ears.

	dBP Reduction	Allowable impulses per day
130 dB Overall Average PIL	25.0	1995
150 dB Overall Average PIL	41.5	1412
168 dB Overall Average PIL	54.2	416

Table 1. Bongiovi Acoustics Clear 360 Pro electronic insert-type hearing protector peak impulse noise reduction levels in dB as measured according to ANSI S12.42-2010.

Number of hearing protector samples tested: 5 Number of hearing protector samples rejected: 0

Number of trials per sample: 2

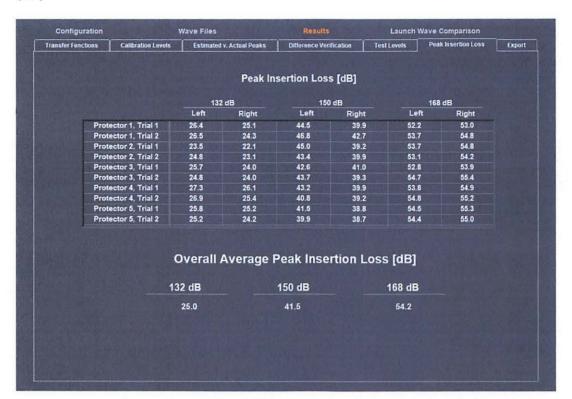
Temperature: 70 F, Relative humidity: 60%

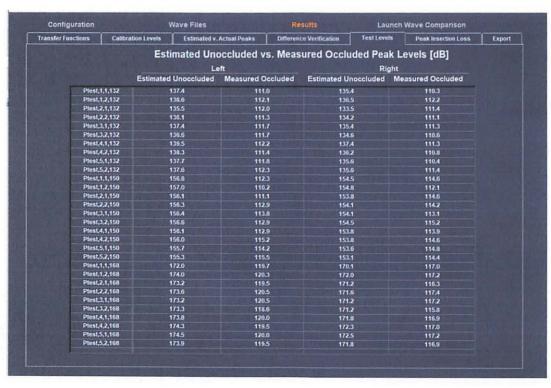
Calibration of 45CB test fixture (SN 146191), including 1/4 inch GRAS 40BP (SN 97414 and

99886) microphones and couplers: Jan 2022

Calibration of B&K 4938 free field microphone (SN2612643), May 2022

Peak insertion loss per trial (dB) and Estimated Unoccluded vs. Measured Occluded Peak Levels (dB)



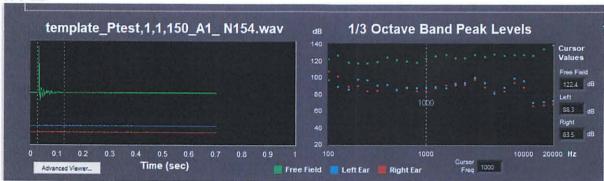


Representative Impulse Frequency Response:

132 dB



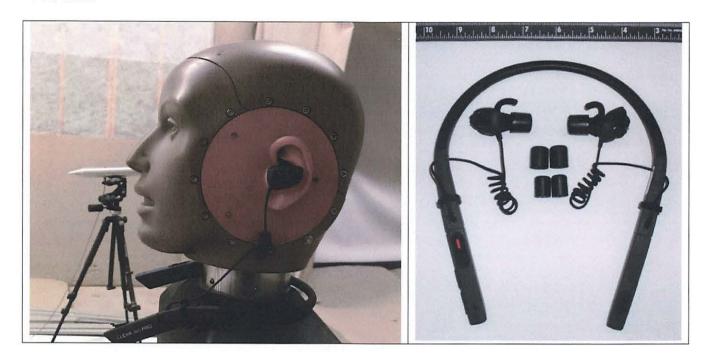
150 dB



168 dB



Test Item:



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Kevin Michael, Ph.D.

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President