

Test report

Sound level generated by the Frequencer V2x and V2

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Abstract

This experiment measured the sound level generated by the Frequencer model V2x and V2 during a normal treatment. With these data it is possible to assess the safety level of the treatment and also to compare it to previous Frequencer 1001.

Introduction

The Frequencer V2x and V2 are a second generation device that follow Frequencer model 1001. The frequencer treatment uses sound wave to move the secretions from the lungs.

Since the difference between the Frequency model V2 and V2x is only of EMF radiation nature and that no modification on the power output is made. It is understood that this experiment covers both models.

Since the sound frequencies that the Frequencer can generate are the audible range¹, it is imperative to assess the sound level to avoid any hearing damage that the intensive use in a treatment with a Frequencer V2 or V2x could cause.

To measure the Frequencer's sound level during a treatment a sonometer was use. The sonometer was baring a valid calibration sceal at the time that the experiment was conducted. The sonometer gives a reading in dB.

Equipment

For this experiment we used the following :

Sonometer : AmpProbe SM-70

Calibration date : November 28th 2009

New calibration due date : November 29th 2010

Date of the experiment : June 2nd 2010

Frequencer use : Frequencer V2x 2009Q4F10002

¹ The range use in the Frequencer V2 and V2x is from 20Hz to 65Hz. In the previous model (Frequencer 1001) the Frequency range was from 20Hz to 100Hz.

Experiment setup

The Frequencer was placed on a bench for testing.

The subject was placed at a distance of 12 inches from the Frequencer.

Sound level reading was taken on both left and right ears of the treated subject. The distance to the ears was about 3 inches. The sound level measurement lasted for at least 10 seconds. The highest value was recorded.

The Frequencer was generating a constant frequency of 40 hertz at a maximum intensity (100%).

The ambient sound level at the time of the test was also measured.

The results

Position measured	Sound level	
	3 inches from left ear	3 inches from right ear
Ambient sound level	47.3dB	48.2dB
Frequencer on Mute	50dB	51.3dB
Superior left lobe	61.3dB	56.2dB
Inferior left lobe	59.2dB	57.4dB
Superior right lobe	60.2dB	65.5dB
Middle lobe (right)	58.5dB	60.9dB
Inferior right lobe	58.8dB	58.7dB

Discussion

Gouvernemental authorities has already issued safety parameter for sound level exposure. Here is the chart that the security adgency in Quebec uses (See PDF file).

Also the test was made for the Frequencer 1001. Here is a re-transcription of the Frequencer 1001 test.

This test was performed on April 28th 2003, using a Brüel type 2225 with a valid calibration seal. The test was performed by Ms. Gaston Dufour from CSST.

Position measured	Sound Level	
	Frequency	Noise
Superior left lobe (front)	20 to 25 Hz	56 dBa
Superior left lobe (front)	120 Hz	78 dBa
Superior left lobe (front)	70 Hz	74 dBa
Inferior left lobe (front)	70 Hz	67.5 dBa
Superior right lobe (front)	70 Hz	65 dBa
Inferior right lobe (front)	70 Hz	61 dBa

Conclusion

With these results it is safe to admit that the use of the Frequencer V2 and V2x poses no threat to human hearing. In the light of governmental chart, at the dB level that the Frequencer 1001, V2 and V2x produces the exposition of the frequencer's noise level could be more than 16 hours straight without any hearing damage.