



Hearing Loop 3D Visualisation Report

Introduction

This report details the hearing volume generated from an induction loop. It has been generated by the Contacta 3D Loop Visualiser software.

It is to be used as a guide only.

Loop Design

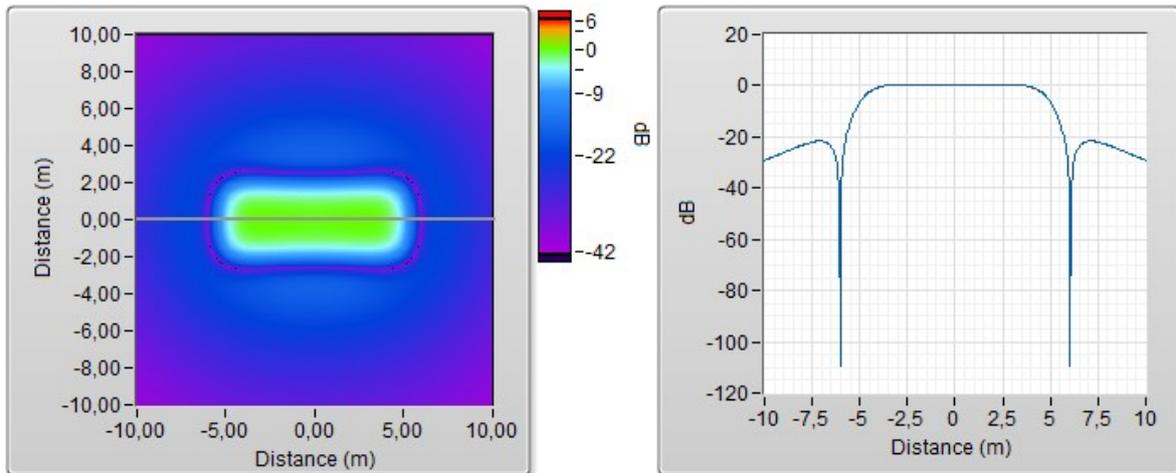
MAIN SETTINGS			
Room Length X	11,00 m	Room Length Y	4,00 m
Loop Area Length X	10,00 m	Loop Area Length Y	3,50 m
Loop Type	Perimeter	Orientation	Common X Axis
Loop Height	0,00 m	Metal Loss	5,00 dB
Listening Height	1,60 m		
Cable Type	Flat	Cable Size	RL-TAPE-12.5
Feeder Cable Length	5,00 m	Feeder Cable Diameter	1.5 mm

PRIMARY LOOP			
Segment Length X	10,00 m	Number of Segments	1
Segment Length Y	3,50 m	Number of Turns	1
Current	6,63 A	Pitch	0,00 m
Cable Length	27,00 m		

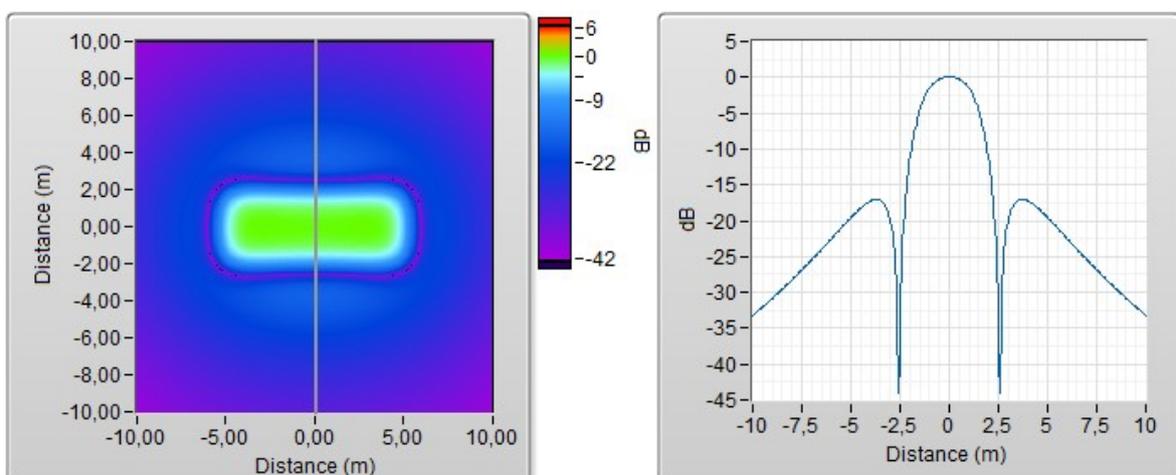
Results

These images show the effective amplitude of the signal received by the hearing aid at the height specified in the Main Settings table (above). In an ideal scenario the volume amplitude would be constant throughout the room allowing the person with the hearing aid to be able to move around the room without experiencing areas of extreme high or low volumes.

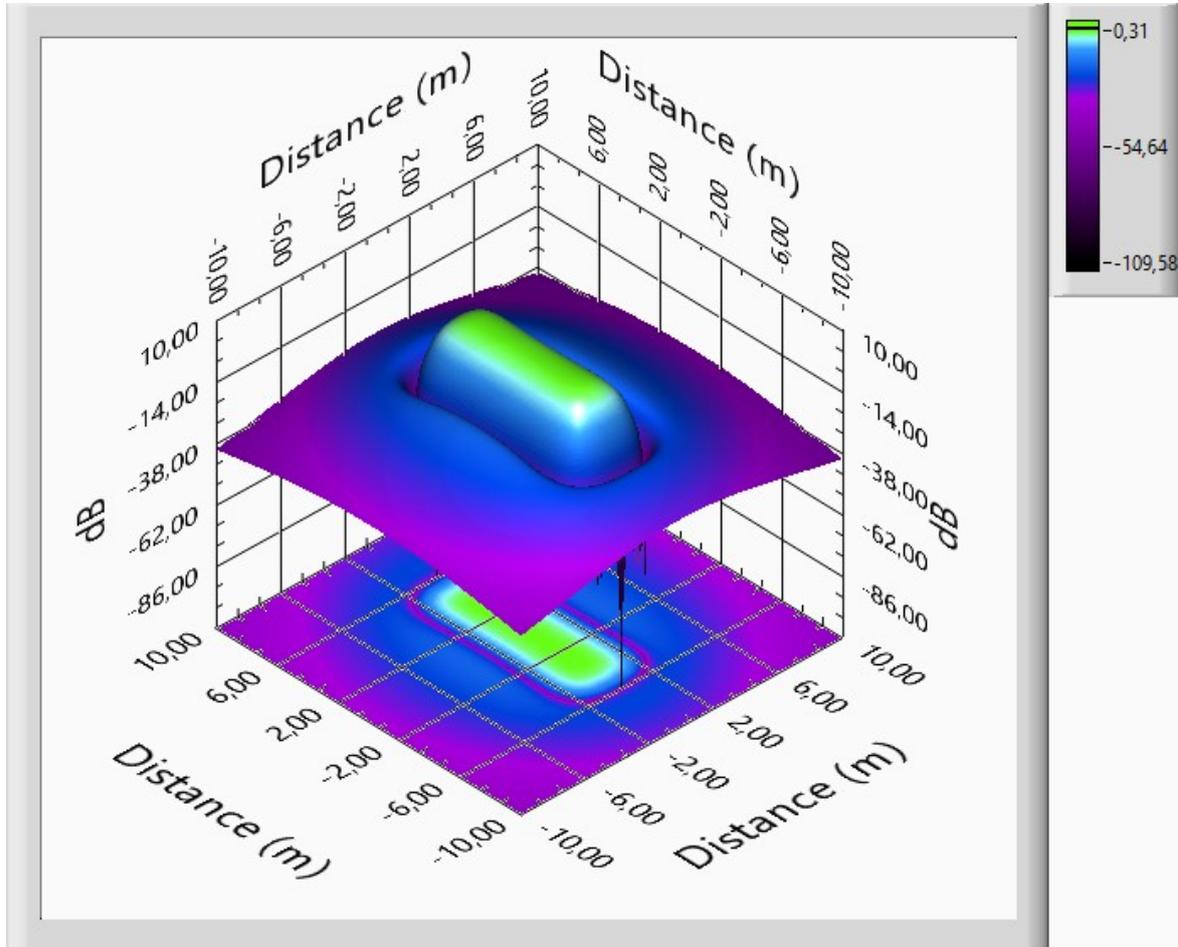
Field Intensity and Cross-Section Through Field (X Direction)



Field Intensity and Cross-Section Through Field (Y Direction)

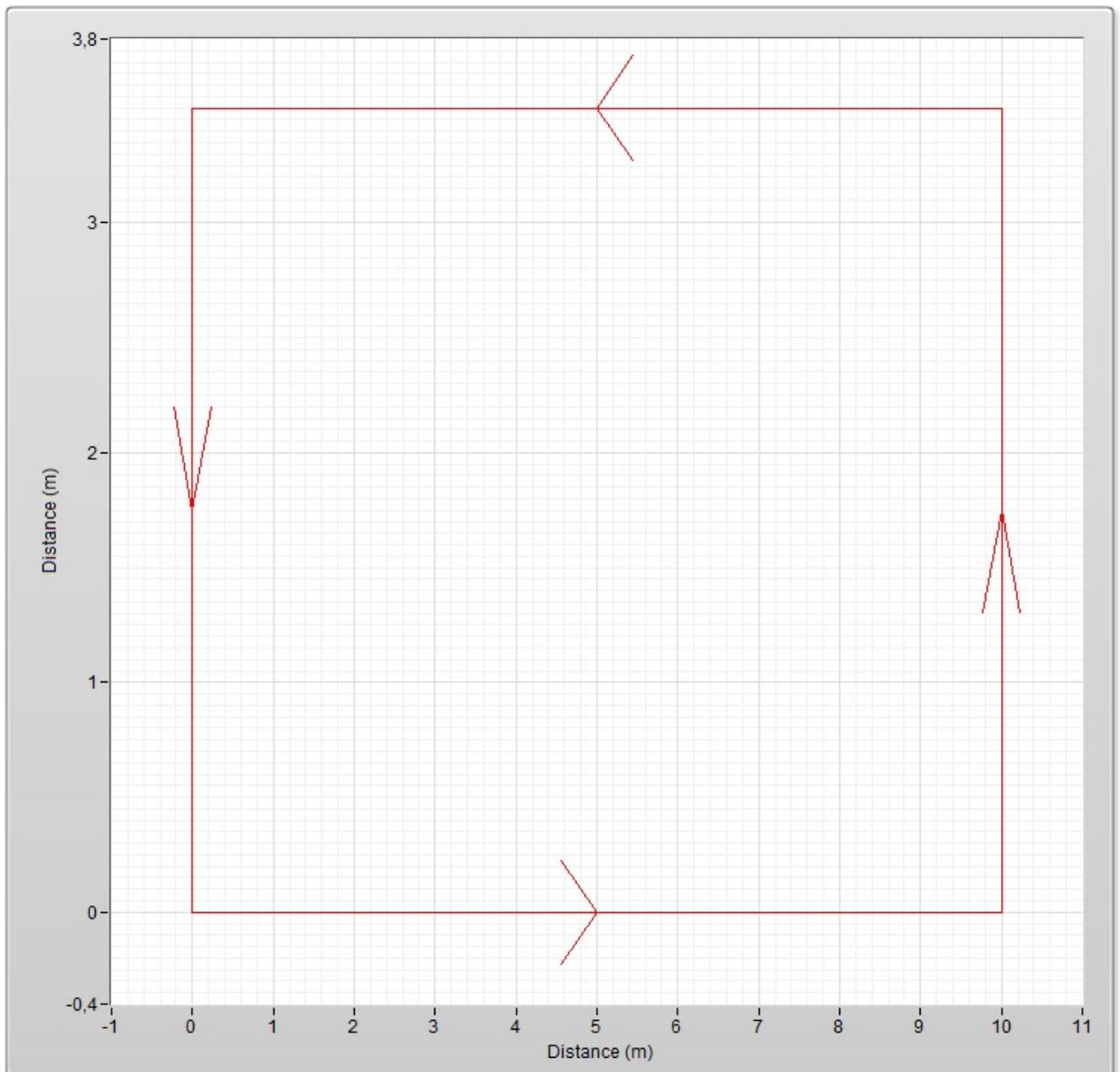


3-Dimensional Field Intensity



Hearing Loop Design

Primary Loop



Selected Driver



V22: Our highly efficient V22 hearing loop driver is built around high-end technology designed for the flagship V Series PRO hearing loop driver range. It is suitable for driving the most demanding perimeter loop systems in medium to large venues.

With a Class-D amplifier output stage, the V22 delivers enough current to drive even the toughest loop loads. The audio subsystem is built around an advanced DSP core which is combined with microprocessor control.

Disclaimer: Contacta will not be held liable for any discrepancies between the values shown in this report and values generated by an installed induction loop.

This report and software was generated for Contacta by Mountain View Programming.