

# Project Data

**Name**

UP Olomouc - PŘF

**Designer**

AUDIO DIGITAL s.r.o.

**Created**

2019-05-13 14:36:51

**Last modified**

2019-05-13 15:26:49

**Room area**
11 m × 17 m = 187 m<sup>2</sup>
**Source Bandwidth**

1600 Hz

**Environment**

Standard reinforced concrete

## Figuration Data

Name	Figuration	X	Y	X-size	Y-size	Or.	Sgs.	Sg. Size
Slozena indukcní smyčka	SLS No Stop Loops	1.5	6	8	7	Y+	2	3.5

## Figuration Layout

Figuration Name	X-size	Y-size	height	listening height	turns
Slozena indukcní smyčka	8	7	0	1.2	1

## Amplifier Data

Fig. Name	Amplifier	VA <sub>1600</sub> (hr)	V <sub>pp1600</sub> (hr)	I <sub>1600</sub> (hr)	Z <sub>1600</sub>
Slozena indukcní smyčka	SLS-1	2.82 VA (9 dB)	5.86 V (13 dB)	1.36 A (10 dB)	1.52 Ω
Slozena indukcní smyčka	SLS-3	2.82 VA (12 dB)	5.86 V (16 dB)	1.36 A (13 dB)	1.52 Ω
Slozena indukcní smyčka	SLS-5	2.82 VA (15 dB)	5.86 V (19 dB)	1.36 A (14 dB)	1.52 Ω
Slozena indukcní smyčka	SLS-700 (discontinued)	2.82 VA (18 dB)	5.86 V (18 dB)	1.36 A (25 dB)	1.52 Ω

## Loop Conductor Data

# Univox Loop Designer 2.0

UP Olomouc - PřF

Fig. Name	Name	$\varphi$	Cross Sec.	Connection	Length	I	R	$Z_{total1600}$	$V_{pp1600}$
Slozena indukčni smyčka	Master	0°	2 x 1.5 mm <sup>2</sup>	2-T (serial cores)	46 m	1.36 A	1.15 $\Omega$	1.52 $\Omega$	5.86 V
Slozena indukčni smyčka	Slave	90°	2 x 1.5 mm <sup>2</sup>	2-T (serial cores)	23 m	1.54 A	0.62 $\Omega$	0.62 $\Omega$	2.7 V

## Feed Data

Fig. Name	Name	Cross Sec.	Connection	Length	$Z_{feed1600}$
Slozena indukčni smyčka	Master	2 x 1.5 mm <sup>2</sup>	1-T (1 core only)	4 m	0.09 $\Omega$
Slozena indukčni smyčka	Slave	2 x 1.5 mm <sup>2</sup>	1-T (1 core only)	4 m	0.09 $\Omega$ [!]

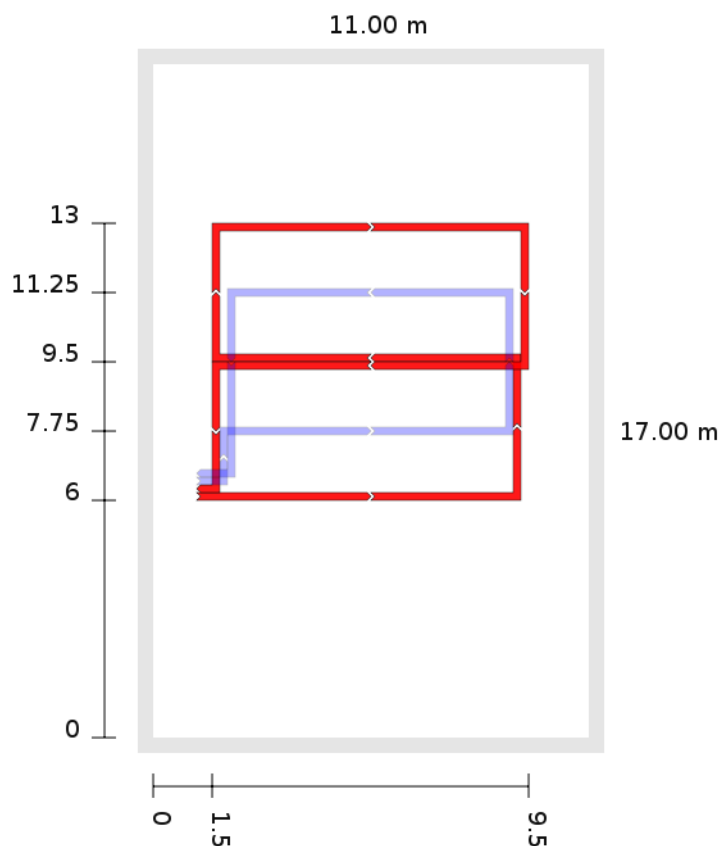
## Loop Conductor Usage

Cross Sec.	Length
2 x 1.5 mm <sup>2</sup>	77 m

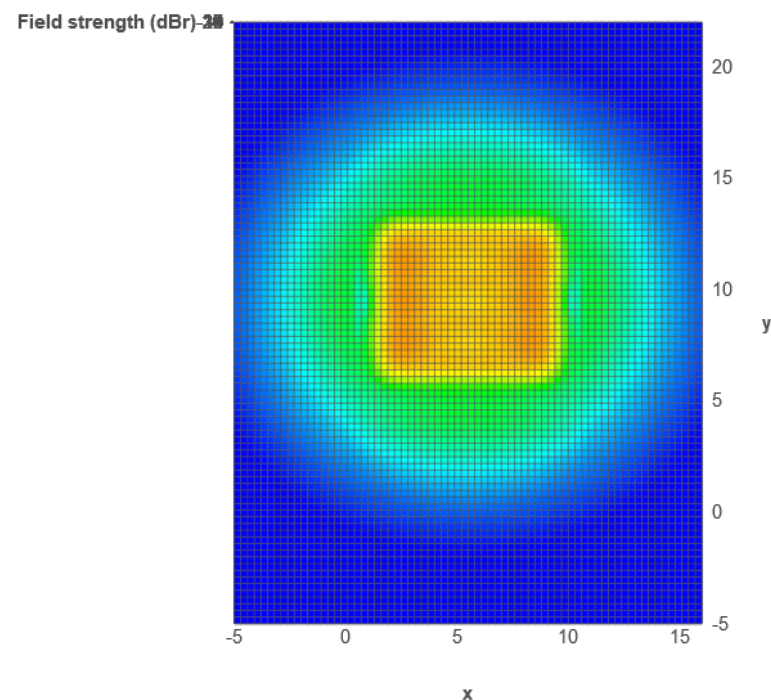
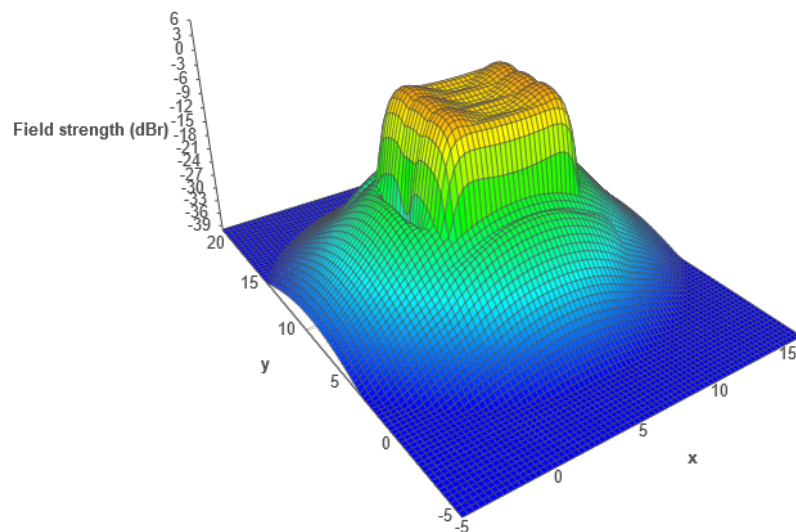
## Amplifier Outputs

$V_{pp1600}$	$\varphi$	$Z_{1600}$	I	$VA_{1600}$	Load
5.86 V	0°	1.52 $\Omega$	1.36 A	2.82 VA	Slozena indukčni smyčka:Master
2.7 V	90°	0.62 $\Omega$	1.54 A	1.47 VA	Slozena indukčni smyčka:Slave

## Loop Conductor Layout



## 3D Vertical Field Strength



## 2D Vertical Field Strength

