

Project Data

Name

sts 2908-1

Designer

[REDACTED]

Created

2025-08-06 12:44:35

Last modified

2026-03-27 09:13:45

Room area20.33 m × 16.95 m = 344.5935 m²**Source bandwidth**

1600 Hz

Environment

Free field/Hole deck/Wooden, stone or brick constr.

Figuration data

Name	Figuration	X	Y	X-size	Y-size	Or.	Sgs.	Sg. size
SLS Konfig	SLS standard	0	0	20.33	16.95	←	8	2.54

Figuration layout

Figuration name	X-size	Y-size	Height	Listening height	Turns
SLS Konfig	20.33	16.95	0	1.2	1

Amplifier data

Fig. name	Amplifier	VA ₁₆₀₀ (hr)	V _{pp1600} (hr)	I ₁₆₀₀ (hr)	Z ₁₆₀₀	Comments
SLS Konfig	SLS-1	16.69 VA (1 dB)	21.46 V (2 dB)	2.2 A (6 dB)	3.03 Ω	
SLS Konfig	SLS-3	16.69 VA (5 dB)	21.46 V (5 dB)	2.2 A (9 dB)	3.03 Ω	
SLS Konfig	SLS-5	16.69 VA (8 dB)	21.46 V (7 dB)	2.2 A (10 dB)	3.03 Ω	
SLS Konfig	SLS-7	16.69 VA (13 dB)	21.46 V (13 dB)	2.2 A (13 dB)	3.03 Ω	

Loop cable data

Univox Loop Designer 3.2

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Fig. name	Name	φ	Cross sec.	Connection	Length	I	R	$Z_{\text{total1600}}$	V_{pp1600}
SLS Konfig	Master	0°	Copper Foil 2.5 mm ²	1-T (1 core only)	345.76 m	2.2 A	2.38 Ω	3.45 Ω	21.46 V
SLS Konfig	Slave	90°	Copper Foil 2.5 mm ²	1-T (1 core only)	306.78 m	2.2 A	2.12 Ω	3.03 Ω	18.86 V

Feed data

Fig. name	Name	Cross sec.	Connection	Length	Z_{feed1600}
SLS Konfig	Master	2 x 2.5 mm ²	1-T (1 core only)	0 m	0 Ω
SLS Konfig	Slave	2 x 2.5 mm ²	1-T (1 core only)	0 m	0 Ω

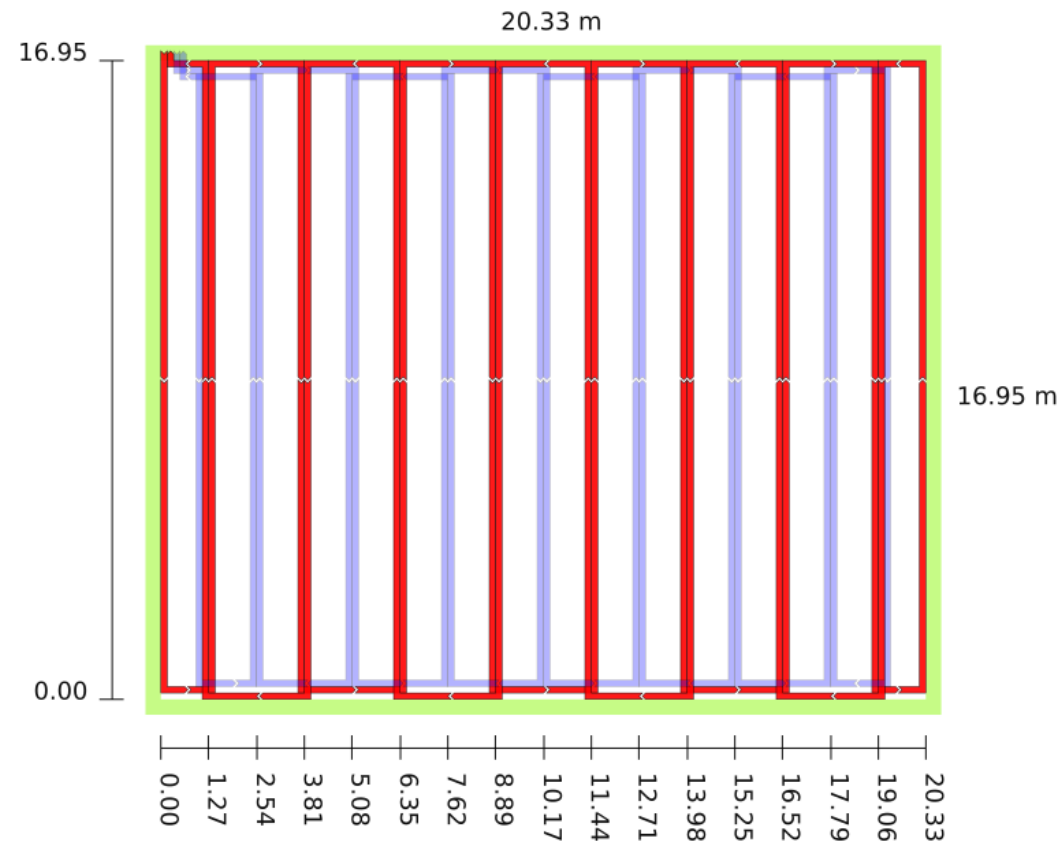
Loop cable usage

Cross sec.	Length
Copper Foil 2.5 mm ²	652.54 m
2 x 2.5 mm ²	0 m

Amplifier outputs

V_{pp1600}	φ	Z_{1600}	I	VA_{1600}	Load
21.46 V	0°	3.45 Ω	2.2 A	16.69 VA	SLS Konfig:Master
18.86 V	90°	3.03 Ω	2.2 A	14.67 VA	SLS Konfig:Slave

Loop Conductor Layout

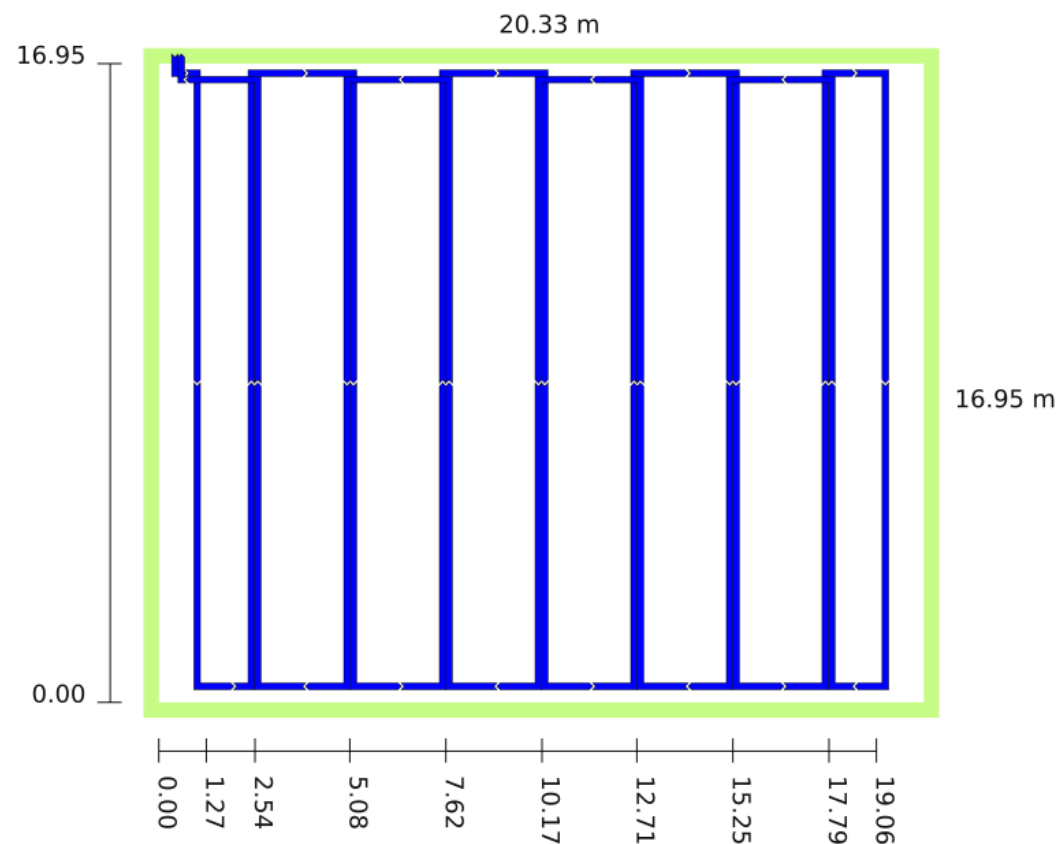


The start and stop of the loop cable is automatically generated by the software and is only an example of where the loop can be started and terminated. In all figurations the loop can be started/terminated at any position along the loop cable. In SLS systems the Master and Slave loops may have different start/termination locations. Carefully plan where it is best to start/terminate the loop depending on where the loop amplifier and/or connection point is located.

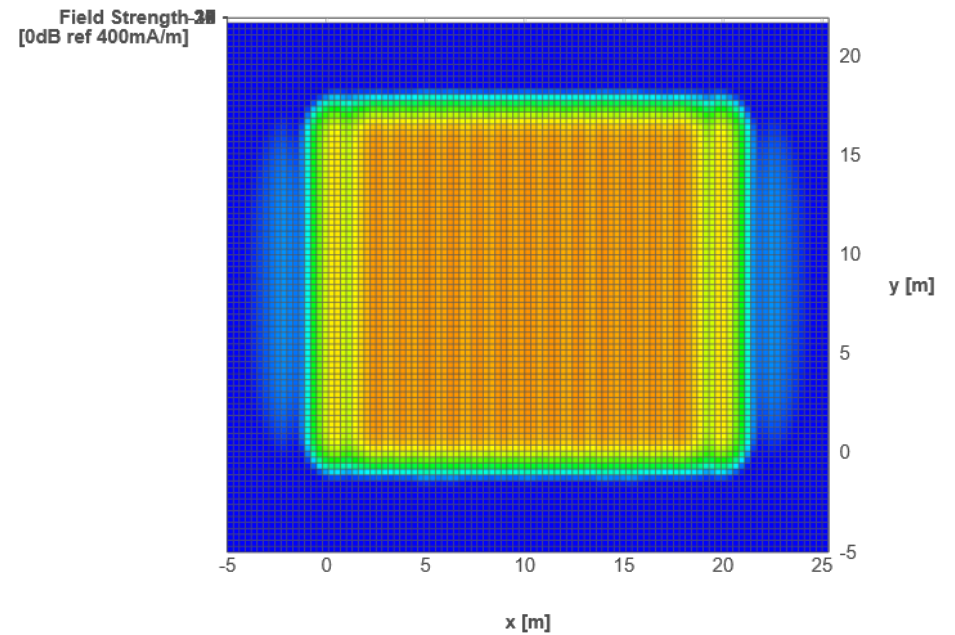
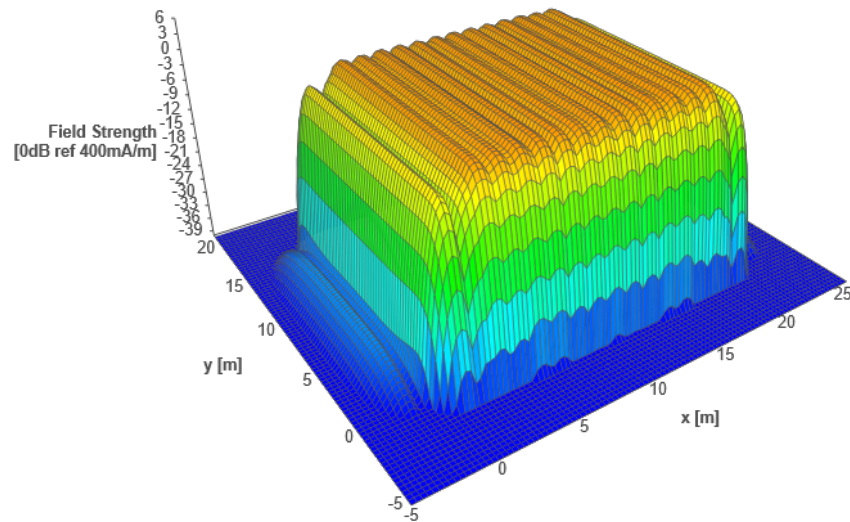
Loop Conductor Layout (SLS Konfig:Master)



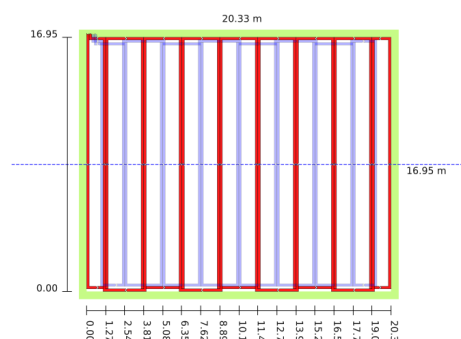
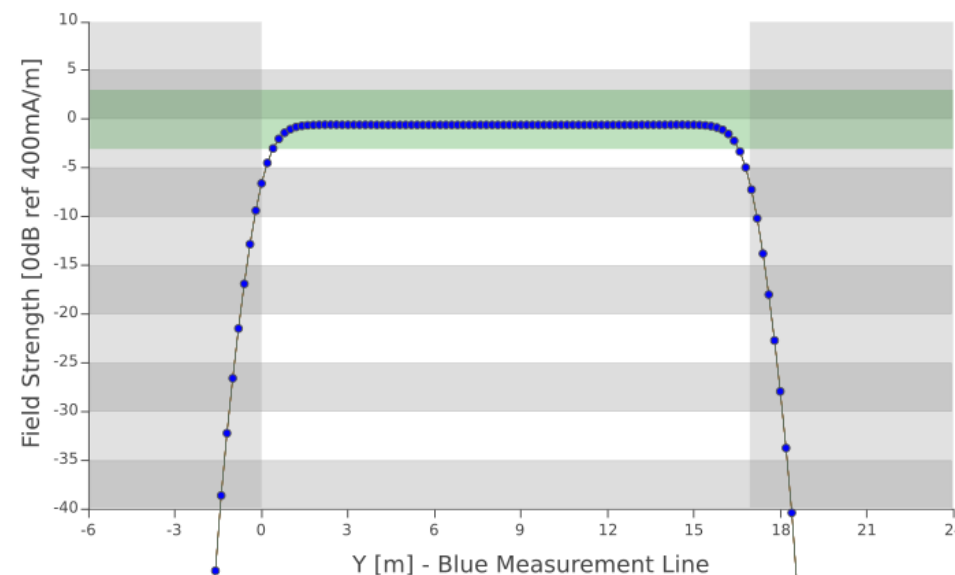
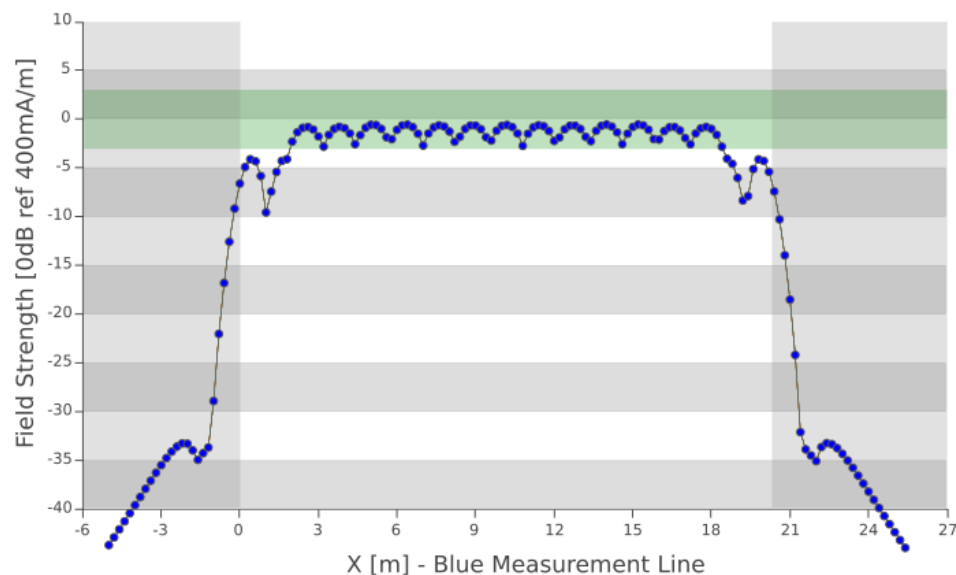
Loop Conductor Layout (SLS Konfig:Slave)



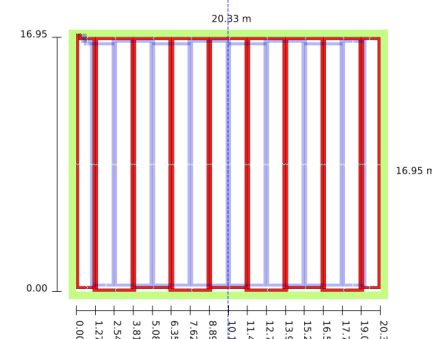
3D Vertical Field Strength



2D Vertical Field Strength



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