univoxaudio
POWERING INTELLIGIBILITY

"Creating a better future for hard of hearing people"

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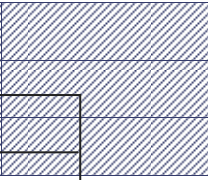POWERING INTELLIGIBILITY

IEC 60118-4:2014

Counter Loop
Compliance Certificate

Facility Manager

The results of the commissioning have been explained to me. I have listened to the Induction loop system and the sound is clear and intelligible.	Initial
I have been shown how to use the loop system, (Switch it on and check that it is working with a loop listener)	Initial
I have been made aware that the loop system must be routinely checked using a loop listener (minimum, monthly)	Initial

Name of Manager	Print Name	Date	dd/mm/year
Signature			

For Maintenance Service or Repair Contact

Company Name	
Telephone	
Email	
Website	www.

Installer

I certify that the Counter Loop System has been commissioned in accordance with the IEC Standard 60118-4:2014 and is:

Fully Compliant	Pass	
Satisfactory	Conditional Pass	
Non Compliant	Fail	

NOTES		

Loop Amplifier Type		Serial Number(s)	
Name of Installation Company			
Name of Lead Installer	Print Name		
UnivoxAudio Accreditation Number	Company Accreditation Number	Installer Accreditation Number	
Signature		Date	dd/mm/year

1) Background Noise

	A	B	C	D	E	F	Result
dBA at 1.2m	A	B	C				Write Pass/Fail/Conditional Pass.
dBA at 1.45m	A	B	C				
dBA at 1.7m							If Conditional pass, give reasons

2) Field Strength   Test signal: 1Khz._pulse.wav   Result

Check for any null fields within the shaded area from 1.2m to 1.7m. If they exist change the orientation of the loop to eliminate them before proceeding

	A	B	C	D	E	F	Result
dB at 1.2m	A	B	C				Write Pass/Fail/Conditional Pass. If Conditional pass, give reasons
dB at 1.45m	A	B	C				
dB at 1.7m							

3) 3 Point Frequency Response (IEC)   Test signal: 3_frequency.wav

	A	B	C	D	E	F	Result
dB at 100Hz	A	B					Write Pass/Fail/Conditional Pass.
dB at 1kHz	0	0	0	0	0	0	
dB at 5kHz		B					If Conditional pass, give reasons

5a) Max Power Bandwidth   Test signal: Live speech or 1.6Khz._pulse.wav

		Result
Speech Tone		Not Required

5b) Listening Test   Test signal: real signals, (live speech)   Result

						Result
dB	Write Peak level for speech at 1.7m or 1.2m for wheelchair only systems					Write Pass/Fail/Conditional Pass.
		Good		Fair		Poor	If Conditional pass, give reasons
Speech Clarity						Fail

Notes

Loop Amplifier Off

Noise should be no worse than −32dBA
For a counter Loop -22dBA is often acceptable

Notes

Test signal 1Khz_pulse.wav
Field strength nominally 0B (± 6dB)
All Values should be within a 12dB window (± 6dB).
Set -6dB at the furthest point from the loop (Typically Point B at 1.7m).
Measure the field strength at the other points and adjust if necessary such that the range is centred on 0dB.
The maximum and minimum levels may be several dB outside the desired range. In this case , note the values and conditionally pass the system if it will still provide user benefit

Notes

Measure at Point B 1.45m high

Test signal : 3_frequency.wav

Field strength at *100Hz and 5KHz should be within ± 3dB of the level at 1KHz . Metal Loss (Treble) control can help optimise the response
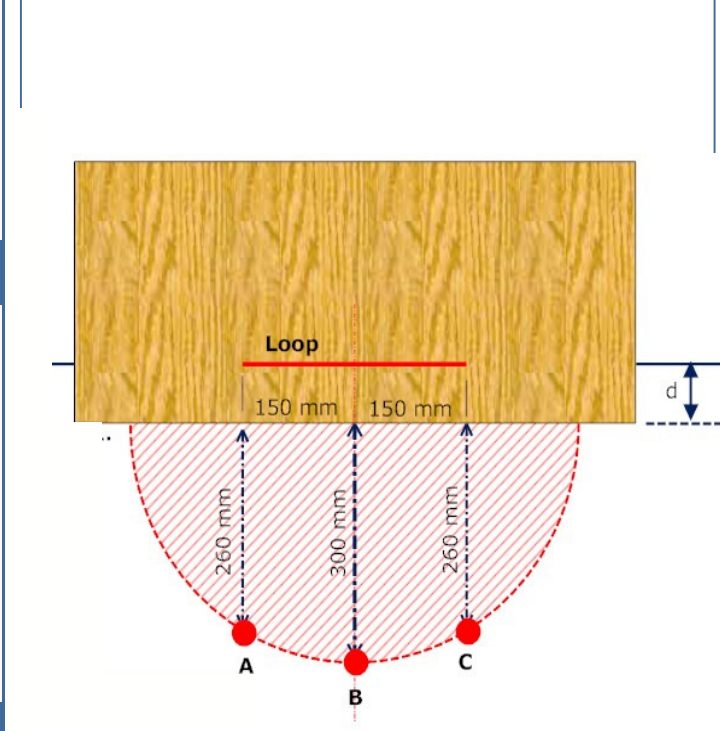
Notes

'Clip LED' may flicker with speech. It should not light with 1.6kHz tone

Notes

With real signals, (speech) does the field strength peak at 0dB ± 6dB?
How clear is the speech ?
(Are the green and yellow lamps on the loop listener flickering?)

Counter Loop

Note

The field strength should not exceed +8dB in the area where user is likely to stand (shaded area). However, due to the performance nature of counter loops it is recognised that this is often unavoidable; the user is expected to adjust their position accordingly.

Due to physical constraints in positioning the counter loop it may not be possible to achieve the full requirements set out in this document. In such cases the installer should judge whether the system is still likely to provide a benefit to users.