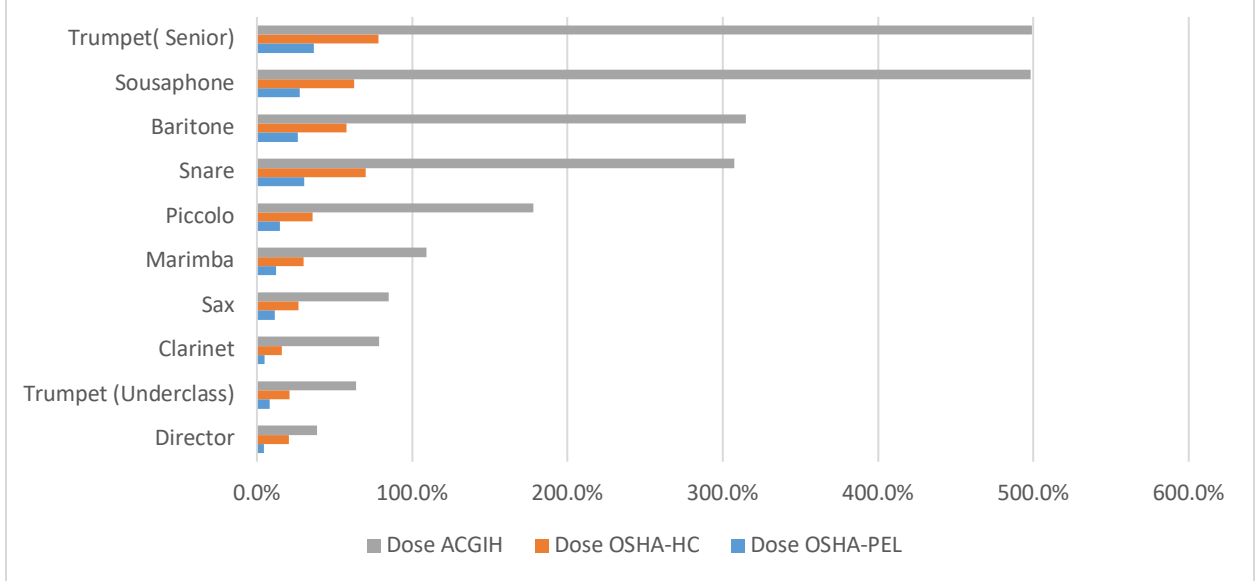


Marching Band Noise Dose November 5, 2019



Instrument	LAeq	Dose OSHA-PEL	Dose OSHA-HC	Dose ACGIH	Dose NIOSH	LCpeak
Trumpet (Senior)	97.1 dB	36.5%	78.3%	499.1%	499.1%	139.9 dB
Sousaphone	97.1 dB	27.6%	62.6%	498.3%	498.3%	134.3 dB
Baritone	95.0 dB	26.2%	57.7%	314.9%	314.9%	129.0 dB
Snare	94.8 dB	30.5%	70.0%	307.6%	307.6%	139.7 dB
Piccolo	92.6 dB	14.8%	35.9%	178.0%	178.0%	139.2 dB
Marimba	90.4 dB	12.5%	30.1%	109.1%	109.1%	137.6 dB
Sax	89.3 dB	11.4%	26.9%	84.8%	84.8%	124.0 dB
Clarinet	89.2 dB	5.1%	16.0%	78.7%	78.7%	143.0 dB
Trumpet (Underclass)	88.2 dB	8.1%	21.2%	64.0%	64.0%	136.3 dB
Director	86.1 dB	4.6%	20.4%	38.8%	38.8%	135.2 dB

Modified Results

Virtual Dosimeters

	1	2	3	4
	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	36.5%	78.3%	499.1%	499.1%
Projected Dose	113.3 %	242.8 %	>999 %	>999 %
L _{avg}	90.9 dB	91.4 dB	96.9 dB	96.9 dB
TWA(8)	82.7 dB	83.2 dB	92.0 dB	92.0 dB
Projected TWA(8)	90.9 dB	91.4 dB	96.9 dB	96.9 dB
Criterion Level	90.0 dB	85.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	92.2 dB	92.2 dB	92.2 dB	92.2 dB
Projected LEP'd/Lex,8h	97.1 dB	97.1 dB	97.1 dB	97.1 dB

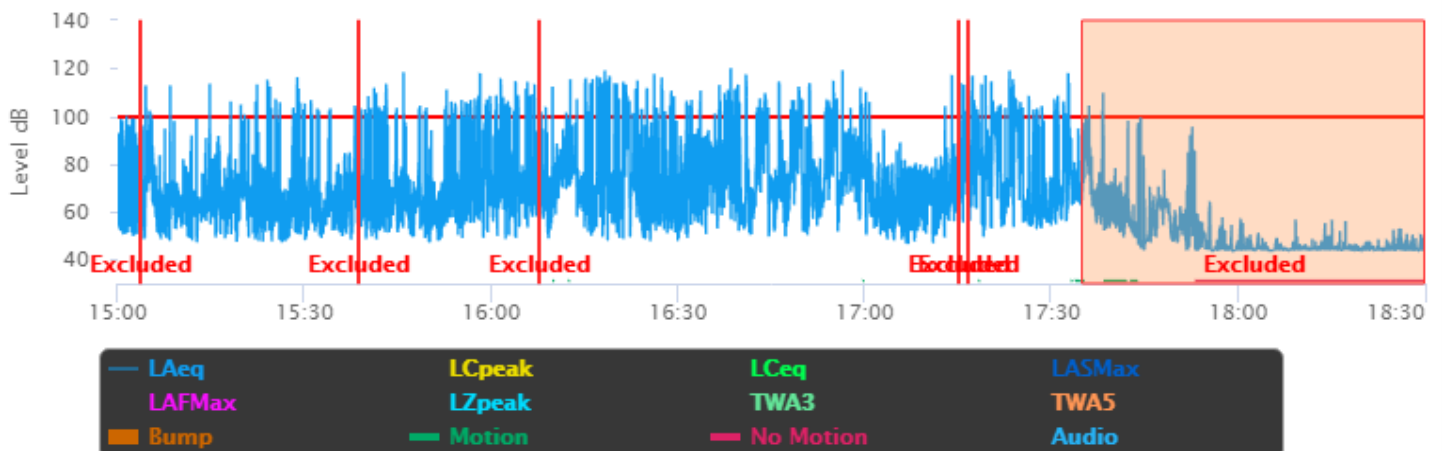
Overall Measurement

Start Date & Time	2019-11-05 15:00:00		
Stop Date & Time	2019-11-05 17:35:00		
Run Time	02:34:41		
Motion Percent	28.8%		
LA _{eq}	97.1 dB		
LC _{eq}	97.8 dB		
LC-A	0.7 dB		
LC _{peak}	139.9 dB	2019-11-05 16:12:41	
LZ _{peak}	141.1 dB	2019-11-05 16:12:41	
LAS _{max}	118.7 dB	2019-11-05 16:38:28	
LAF _{max}	123.1 dB	2019-11-05 16:12:41	

Meter General Information

Serial Number	10182
Model	730
HW Version	A
FW Version	1.02
Sensitivity (s)	-39.8 dB
Notes	

Time History



Modified Results

Virtual Dosimeters

	1	2	3	4
	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	27.6%	62.6%	498.3%	498.3%
Projected Dose	85.9 %	194.5 %	>999 %	>999 %
L _{avg}	88.9 dB	89.8 dB	96.9 dB	96.9 dB
TWA(8)	80.7 dB	81.6 dB	92.0 dB	92.0 dB
Projected TWA(8)	88.9 dB	89.8 dB	96.9 dB	96.9 dB
Criterion Level	90.0 dB	85.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	92.2 dB	92.2 dB	92.2 dB	92.2 dB
Projected LEP'd/Lex,8h	97.1 dB	97.1 dB	97.1 dB	97.1 dB

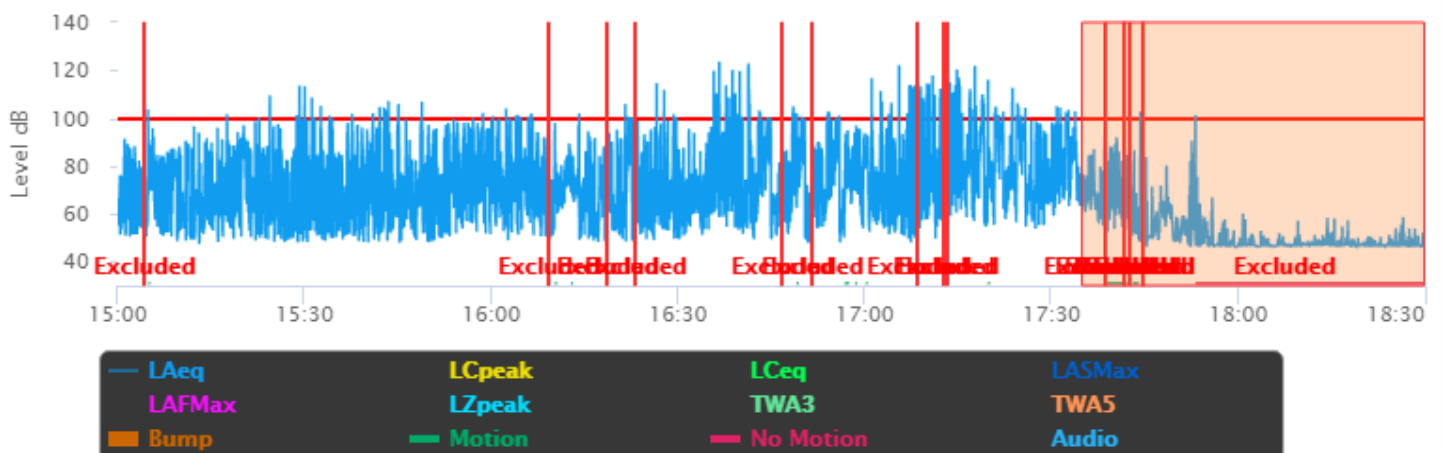
Overall Measurement

Start Date & Time	2019-11-05 15:00:00		
Stop Date & Time	2019-11-05 17:35:00		
Run Time	02:34:26		
Motion Percent	35.6%		
LA _{eq}	97.1 dB		
LC _{eq}	98.7 dB		
LC-A	1.6 dB		
LC _{peak}	134.3 dB	2019-11-05 15:48:51	
LZ _{peak}	134.4 dB	2019-11-05 15:48:51	
LAS _{max}	122.1 dB	2019-11-05 16:36:37	
LAF _{max}	125.3 dB	2019-11-05 17:17:41	

Meter General Information

Serial Number	10186
Model	730
HW Version	A
FW Version	1.02
Sensitivity (s)	-41.7 dB
Notes	

Time History



Modified Results

Virtual Dosimeters

	1	2	3	4
	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	26.2%	57.7%	314.9%	314.9%
Projected Dose	81.2 %	179.0 %	977.2 %	977.2 %
L _{avg}	88.5 dB	89.2 dB	94.9 dB	94.9 dB
TWA(8)	80.3 dB	81.0 dB	90.0 dB	90.0 dB
Projected TWA(8)	88.5 dB	89.2 dB	94.9 dB	94.9 dB
Criterion Level	90.0 dB	85.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	90.1 dB	90.1 dB	90.1 dB	90.1 dB
Projected LEP'd/Lex,8h	95.0 dB	95.0 dB	95.0 dB	95.0 dB

Overall Measurement

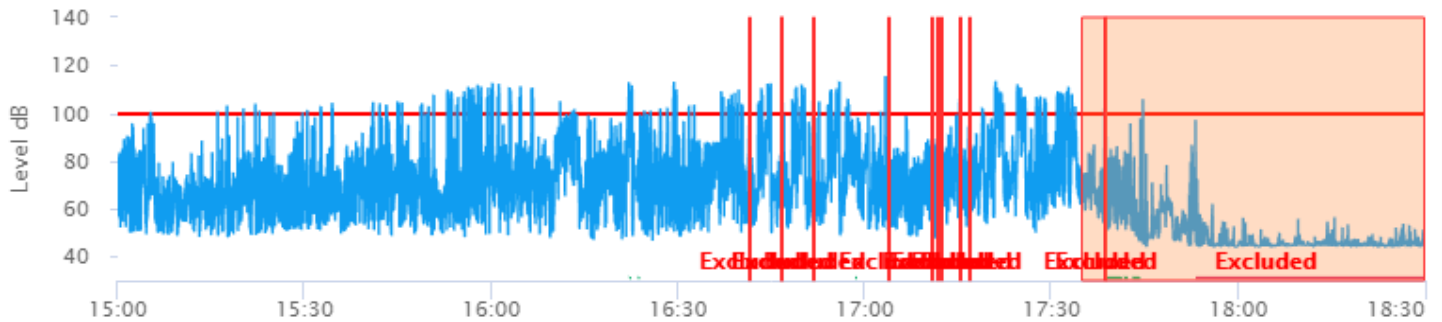
Start Date & Time	2019-11-05 15:00:00		
Stop Date & Time	2019-11-05 17:35:00		
Run Time	02:34:40		
Motion Percent	34.5%		
LA _{eq}	95.0 dB		
LC _{eq}	97.8 dB		
LC-A	2.8 dB		
LC _{peak}	129.0 dB	2019-11-05 17:33:48	
LZ _{peak}	129.1 dB	2019-11-05 17:33:48	
LAS _{max}	114.6 dB	2019-11-05 17:03:19	
LAF _{max}	117.7 dB	2019-11-05 17:03:19	

Meter General Information

Serial Number	10165
Model	730
HW Version	A
FW Version	1.02
Sensitivity (s)	-40.2 dB

Notes

Time History



Modified Results

Virtual Dosimeters

	1	2	3	4
	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	30.5%	70.0%	307.6%	307.6%
Projected Dose	94.6 %	217.3 %	955.0 %	955.0 %
L _{avg}	89.6 dB	90.6 dB	94.8 dB	94.8 dB
TWA(8)	81.4 dB	82.4 dB	89.9 dB	89.9 dB
Projected TWA(8)	89.6 dB	90.6 dB	94.8 dB	94.8 dB
Criterion Level	90.0 dB	85.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	89.9 dB	89.9 dB	89.9 dB	89.9 dB
Projected LEP'd/Lex,8h	94.8 dB	94.8 dB	94.8 dB	94.8 dB

Overall Measurement

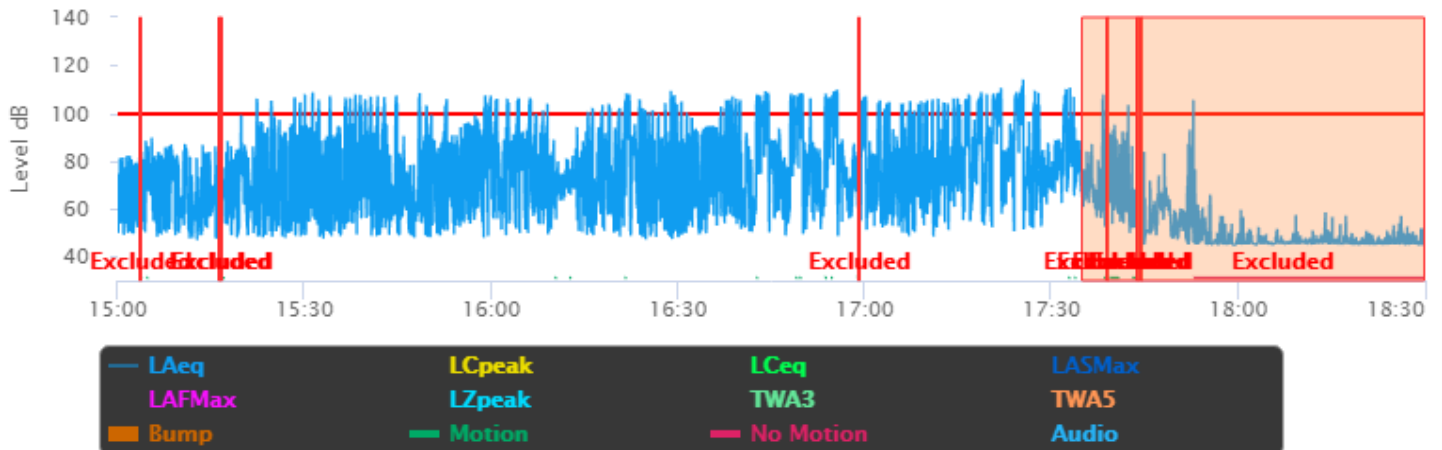
Start Date & Time	2019-11-05 15:00:00		
Stop Date & Time	2019-11-05 17:39:01		
Run Time	02:34:36		
Motion Percent	33.6%		
LA _{eq}	94.8 dB		
LC _{eq}	97.3 dB		
LC-A	2.5 dB		
LC _{peak}	139.7 dB	2019-11-05 17:19:36	
LZ _{peak}	139.8 dB	2019-11-05 17:19:36	
LAS _{max}	113.0 dB	2019-11-05 17:25:26	
LAF _{max}	118.0 dB	2019-11-05 17:25:26	

Meter General Information

Serial Number	10183
Model	730
HW Version	A
FW Version	1.02
Sensitivity (s)	-40.9 dB

Notes

Time History



Modified Results

Virtual Dosimeters

	1	2	3	4
	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	14.8%	35.9%	178.0%	178.0%
Projected Dose	46.7 %	113.3 %	562.3 %	562.3 %
L _{avg}	84.5 dB	85.9 dB	92.5 dB	92.5 dB
TWA(8)	76.2 dB	77.6 dB	87.5 dB	87.5 dB
Projected TWA(8)	84.5 dB	85.9 dB	92.5 dB	92.5 dB
Criterion Level	90.0 dB	85.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	87.6 dB	87.6 dB	87.6 dB	87.6 dB
Projected LEP'd/Lex,8h	92.6 dB	92.6 dB	92.6 dB	92.6 dB

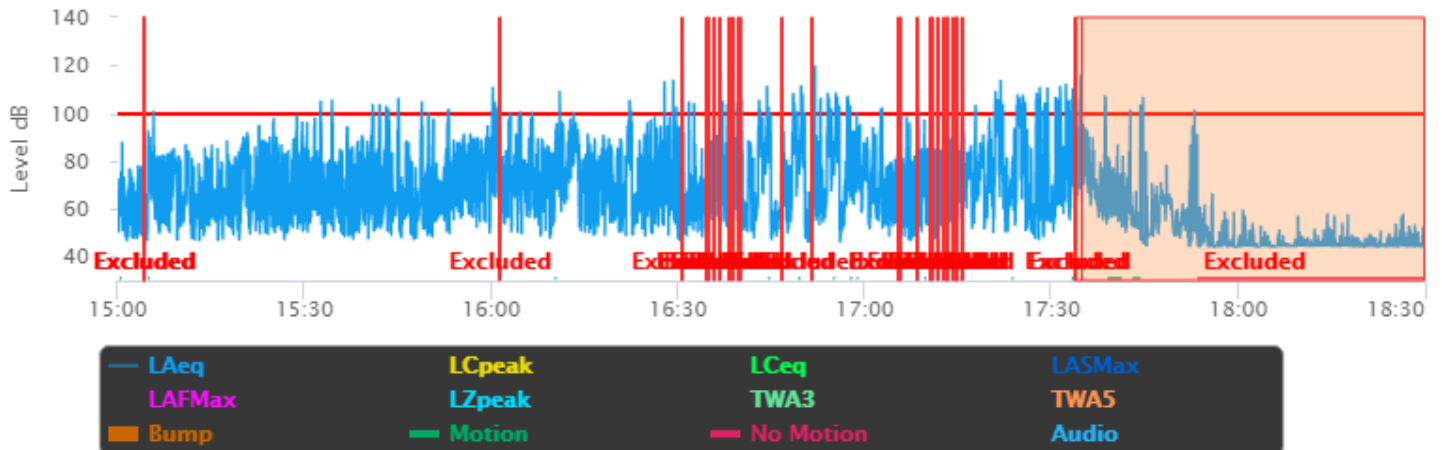
Overall Measurement

Start Date & Time	2019-11-05 15:00:00		
Stop Date & Time	2019-11-05 17:33:55		
Run Time	02:31:57		
Motion Percent	37.2%		
LA _{eq}	92.6 dB		
LC _{eq}	93.0 dB		
LC-A	0.4 dB		
LC _{peak}	139.2 dB	2019-11-05 17:15:45	
LZ _{peak}	139.4 dB	2019-11-05 17:15:45	
LAS _{max}	121.1 dB	2019-11-05 17:15:45	
LAF _{max}	126.6 dB	2019-11-05 16:52:00	

Meter General Information

Serial Number	10161
Model	730
HW Version	A
FW Version	1.02
Sensitivity (s)	-40.3 dB
Notes	

Time History



Modified Results

Virtual Dosimeters

	1	2	3	4
	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	12.5%	30.1%	109.1%	109.1%
Projected Dose	39.0 %	93.3 %	338.8 %	338.8 %
L _{avg}	83.2 dB	84.5 dB	90.3 dB	90.3 dB
TWA(8)	75.0 dB	76.3 dB	85.4 dB	85.4 dB
Projected TWA(8)	83.2 dB	84.5 dB	90.3 dB	90.3 dB
Criterion Level	90.0 dB	85.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	85.5 dB	85.5 dB	85.5 dB	85.5 dB
Projected LEP'd/Lex,8h	90.4 dB	90.4 dB	90.4 dB	90.4 dB

Overall Measurement

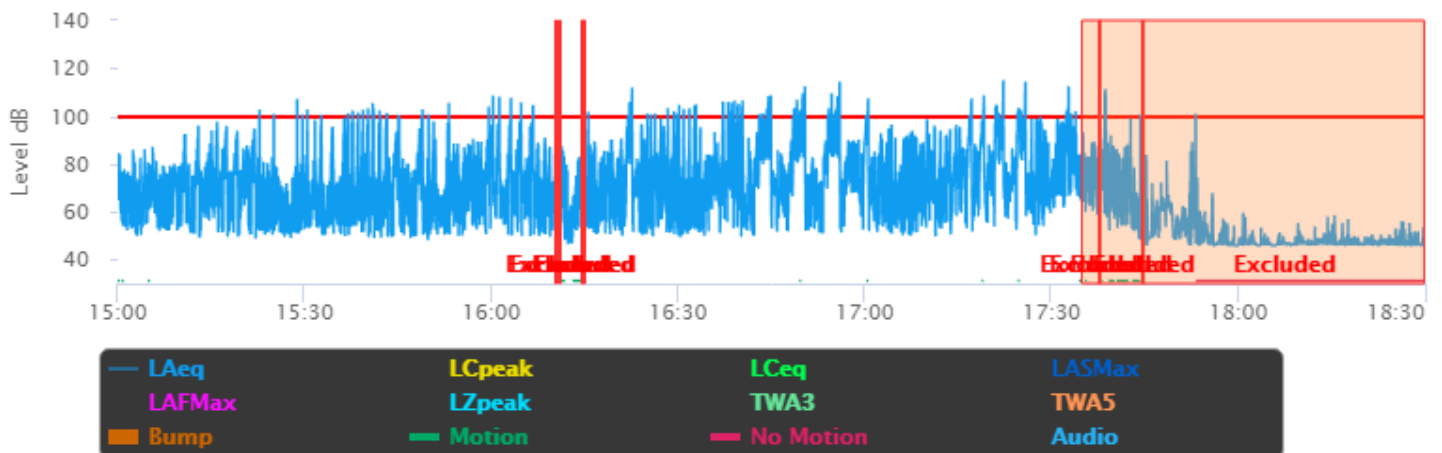
Start Date & Time	2019-11-05 15:00:00		
Stop Date & Time	2019-11-05 17:35:00		
Run Time	02:34:36		
Motion Percent	39.3%		
LA _{eq}	90.4 dB		
LC _{eq}	92.5 dB		
LC-A	2.1 dB		
LC _{peak}	137.6 dB	2019-11-05 17:21:05	
LZ _{peak}	137.4 dB	2019-11-05 17:21:05	
LAS _{max}	114.1 dB	2019-11-05 17:25:48	
LAF _{max}	118.1 dB	2019-11-05 16:55:57	

Meter General Information

Serial Number	10185
Model	730
HW Version	A
FW Version	1.02
Sensitivity (s)	-41.6 dB

Notes

Time History



Modified Results

Virtual Dosimeters

	1	2	3	4
	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	11.4%	26.9%	84.8%	84.8%
Projected Dose	35.4 %	83.5 %	263.0 %	263.0 %
L _{avg}	82.5 dB	83.7 dB	89.2 dB	89.2 dB
TWA(8)	74.3 dB	75.5 dB	84.3 dB	84.3 dB
Projected TWA(8)	82.5 dB	83.7 dB	89.2 dB	89.2 dB
Criterion Level	90.0 dB	85.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	84.4 dB	84.4 dB	84.4 dB	84.4 dB
Projected LEP'd/Lex,8h	89.3 dB	89.3 dB	89.3 dB	89.3 dB

Overall Measurement

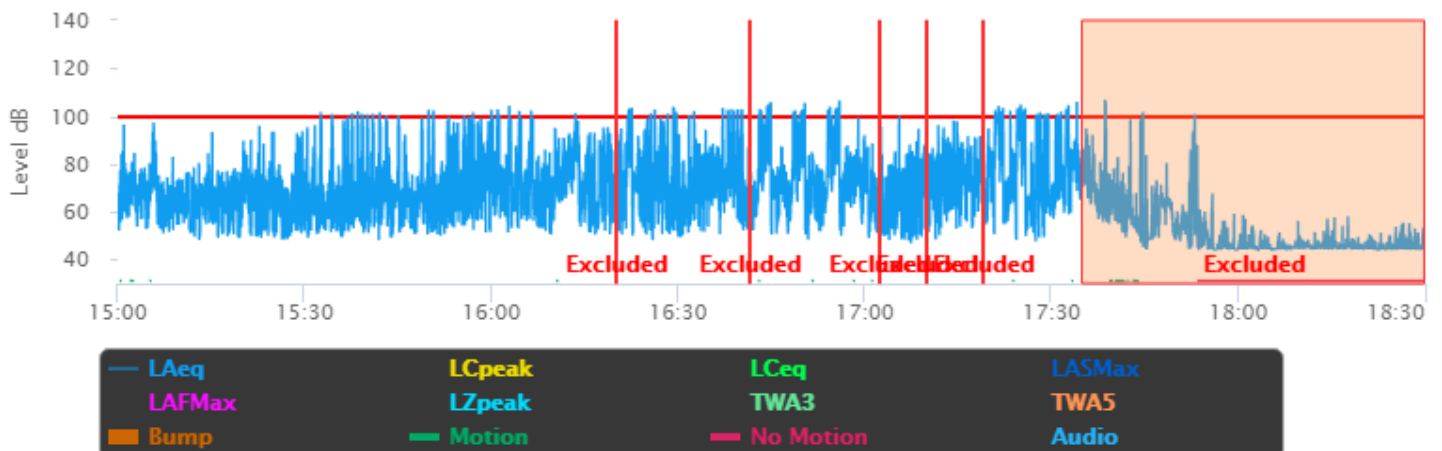
Start Date & Time	2019-11-05 15:00:00		
Stop Date & Time	2019-11-05 17:35:00		
Run Time	02:34:44		
Motion Percent	37.1%		
LA _{eq}	89.3 dB		
LC _{eq}	91.7 dB		
LC-A	2.4 dB		
LC _{peak}	124.0 dB	2019-11-05 17:23:22	
LZ _{peak}	129.6 dB	2019-11-05 15:00:54	
LAS _{max}	106.0 dB	2019-11-05 16:55:56	
LAF _{max}	110.7 dB	2019-11-05 17:34:04	

Meter General Information

Serial Number	10184
Model	730
HW Version	A
FW Version	1.02
Sensitivity (s)	-39.6 dB

Notes

Time History



Modified Results

Virtual Dosimeters

	1	2	3	4
	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	5.1%	16.0%	78.7%	78.7%
Projected Dose	16.0 %	50.0 %	245.5 %	245.5 %
L _{avg}	76.8 dB	80.0 dB	88.9 dB	88.9 dB
TWA(8)	68.6 dB	71.8 dB	84.0 dB	84.0 dB
Projected TWA(8)	76.8 dB	80.0 dB	88.9 dB	88.9 dB
Criterion Level	90.0 dB	85.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	84.3 dB	84.3 dB	84.3 dB	84.3 dB
Projected LEP'd/Lex,8h	89.2 dB	89.2 dB	89.2 dB	89.2 dB

Overall Measurement

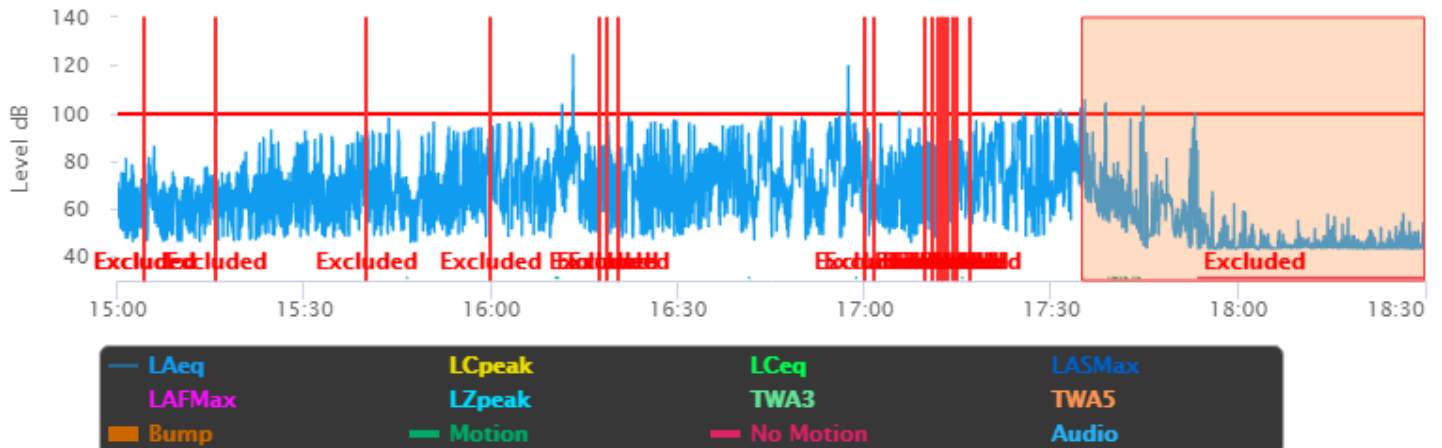
Start Date & Time	2019-11-05 15:00:00		
Stop Date & Time	2019-11-05 17:35:00		
Run Time	02:33:54		
Motion Percent	40.1%		
LA _{eq}	89.2 dB		
LC _{eq}	90.8 dB		
LC-A	1.6 dB		
LC _{peak}	143.0 dB	2019-11-05 16:13:09	
LZ _{peak}	143.1 dB	2019-11-05 16:13:09	
LAS _{max}	124.3 dB	2019-11-05 16:13:09	
LAF _{max}	131.3 dB	2019-11-05 16:13:09	

Meter General Information

Serial Number	10164
Model	730
HW Version	A
FW Version	1.02
Sensitivity (s)	-38.9 dB

Notes

Time History



Modified Results

Virtual Dosimeters

	1	2	3	4
	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	8.1%	21.2%	64.0%	64.0%
Projected Dose	25.3 %	66.0 %	199.5 %	199.5 %
L _{avg}	80.1 dB	82.0 dB	88.0 dB	88.0 dB
TWA(8)	71.9 dB	73.8 dB	83.1 dB	83.1 dB
Projected TWA(8)	80.1 dB	82.0 dB	88.0 dB	88.0 dB
Criterion Level	90.0 dB	85.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	83.3 dB	83.3 dB	83.3 dB	83.3 dB
Projected LEP'd/Lex,8h	88.2 dB	88.2 dB	88.2 dB	88.2 dB

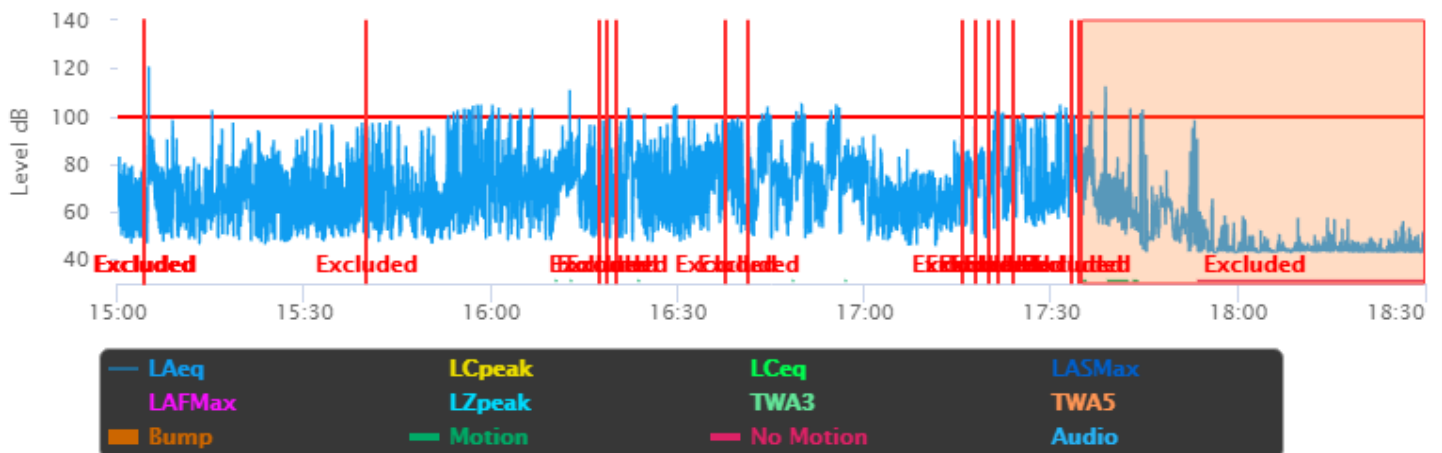
Overall Measurement

Start Date & Time	2019-11-05 15:00:00		
Stop Date & Time	2019-11-05 17:35:00		
Run Time	02:33:56		
Motion Percent	37.6%		
LA _{eq}	88.2 dB		
LC _{eq}	90.0 dB		
LC-A	1.8 dB		
LC _{peak}	136.3 dB	2019-11-05 15:05:00	
LZ _{peak}	136.9 dB	2019-11-05 15:05:00	
LAS _{max}	119.8 dB	2019-11-05 15:05:00	
LAF _{max}	124.3 dB	2019-11-05 15:05:00	

Meter General Information

Serial Number	10163
Model	730
HW Version	A
FW Version	1.02
Sensitivity (s)	-39.3 dB
Notes	

Time History



Modified Results

Virtual Dosimeters

	1	2	3	4
	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	4.6%	20.4%	38.8%	38.8%
Projected Dose	14.2 %	63.3 %	120.2 %	120.2 %
L _{avg}	75.9 dB	81.7 dB	85.8 dB	85.8 dB
TWA(8)	67.7 dB	73.5 dB	80.9 dB	80.9 dB
Projected TWA(8)	75.9 dB	81.7 dB	85.8 dB	85.8 dB
Criterion Level	90.0 dB	85.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	81.2 dB	81.2 dB	81.2 dB	81.2 dB
Projected LEP'd/Lex,8h	86.1 dB	86.1 dB	86.1 dB	86.1 dB

Overall Measurement

Start Date & Time	2019-11-05 15:00:00		
Stop Date & Time	2019-11-05 17:35:00		
Run Time	02:35:00		
Motion Percent	22.4%		
LA _{eq}	86.1 dB		
LC _{eq}	88.0 dB		
LC-A	1.9 dB		
LC _{peak}	135.2 dB	2019-11-05 15:01:22	
LZ _{peak}	136.6 dB	2019-11-05 15:01:22	
LAS _{max}	113.2 dB	2019-11-05 15:20:09	
LAF _{max}	116.6 dB	2019-11-05 15:20:09	

Meter General Information

Serial Number	10162
Model	730
HW Version	A
FW Version	1.02
Sensitivity (s)	-38.4 dB
Notes	

Time History

