

Calibration Report



Report Summary

Calibration Date: 2025-09-24
Technician: Peter Osust

Equipment Certified

Audiometer

Manufacturer: Interacoustics
Model Number: AD629
Serial Number: 0979701
Number of Channels: 2

Type: 2
Inventory #:

Earphones

Supra-aural

Manufacturer: Radioear
Model Number: DD45
S/N Right: WT308181
S/N Left: WT308186

Bone Vibrator

Manufacturer: Radioear
Model Number: B71
Serial Number: 94766021

Equipment Used for Certification

Instrumentation	Manufacturer	Model	Serial Number
Sound Level Meter	Larson Davis	831C	12815
Calibrator	Larson Davis	CAL250	6401
Preamp	PCB Piezotronics	PRM831	077858
Microphone	PCB Piezotronics	377A15	351289
Coupler	Larson Davis	AEC201	0856
Mastoid	Larson Davis	AMC493C	6450

Calibration Records

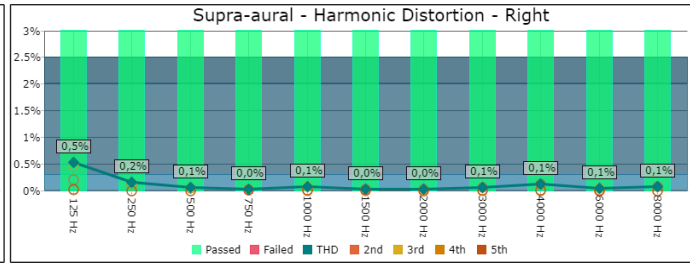
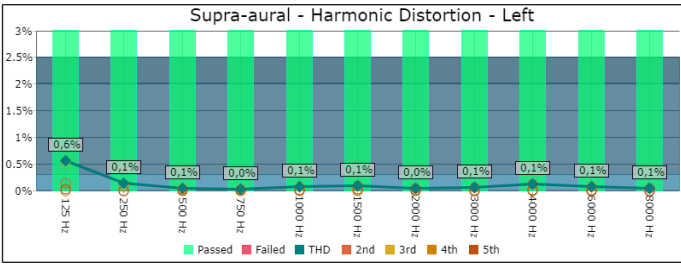
None

Test Summary

Distortion
Frequency
Hearing Level
Linearity
Pulse
CrossTalk and On/Off Ratio
Frequency Modulation
Narrowband Noise Level
Broadband Noise
Speech

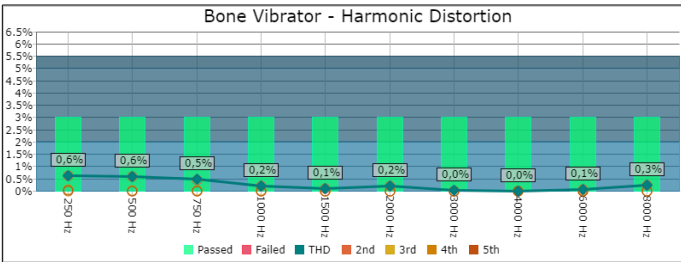


Harmonic Distortion



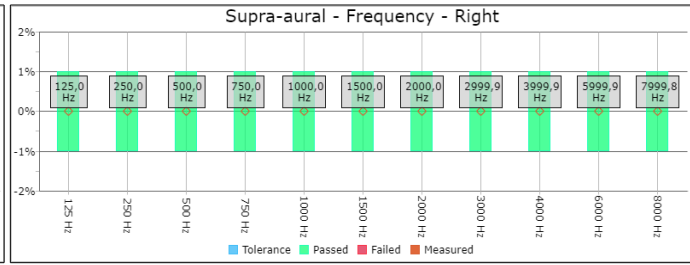
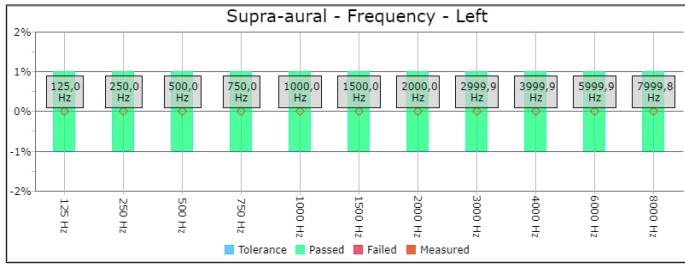
Freq	Fund.	THD	2nd	3rd	4th	5th+	Sub
125	125	0.57	0.15	0.55	0.01	0.04	0,000
250	250	0.14	0.08	0.12	0.00	0.01	0,000
500	500	0.05	0.03	0.04	0.00	0.01	0,000
750	750	0.04	0.01	0.03	0.00	0.02	0,000
1000	1000	0.09	0.01	0.09	0.00	0.01	0,000
1500	1500	0.10	0.09	0.02	0.00	0.02	0,000
2000	2000	0.05	0.04	0.02	0.00	0.01	0,000
3000	3000	0.06	0.06	0.01	0.00	0.00	0,000
4000	4000	0.12	0.12	0.01	0.00	0.01	0,000
6000	6000	0.08	0.02	0.08	0.00	0.00	0,000
8000	8000	0.05	0.05	0.00	0.00	0.00	0,000

Freq	Fund.	THD	2nd	3rd	4th	5th+	Sub
125	125	0.53	0.20	0.49	0.01	0.03	0,000
250	250	0.16	0.12	0.11	0.00	0.01	0,000
500	500	0.06	0.05	0.04	0.00	0.01	0,000
750	750	0.04	0.01	0.03	0.01	0.02	0,000
1000	1000	0.09	0.01	0.09	0.00	0.01	0,000
1500	1500	0.04	0.03	0.02	0.00	0.02	0,000
2000	2000	0.04	0.03	0.02	0.00	0.01	0,000
3000	3000	0.07	0.07	0.01	0.00	0.01	0,000
4000	4000	0.14	0.14	0.02	0.00	0.01	0,000
6000	6000	0.06	0.01	0.05	0.00	0.00	0,000
8000	8000	0.09	0.09	0.00	0.00	0.00	0,000



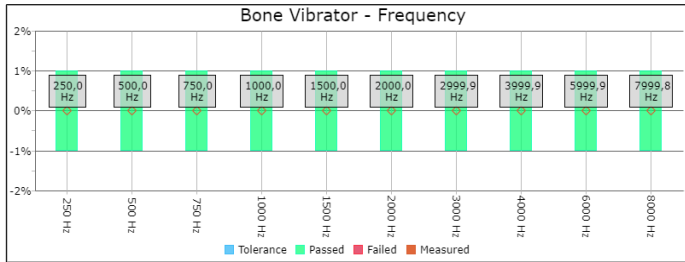
Freq	Fund.	THD	2nd	3rd	4th	5th+	Sub
250	250	0.64	0.63	0.07	0.01	0.03	0,028
500	500	0.59	0.59	0.04	0.00	0.00	0,002
750	750	0.47	0.47	0.04	0.00	0.01	0,005
1000	1000	0.20	0.20	0.04	0.01	0.00	0,006
1500	1500	0.11	0.11	0.00	0.00	0.01	0,005
2000	2000	0.19	0.19	0.00	0.00	0.01	0,006
3000	3000	0.02	0.02	0.01	0.01	0.01	0,010
4000	4000	0.01	0.01	0.01	0.01	0.01	0,008
6000	6000	0.06	0.05	0.03	0.00	0.00	0,039
8000	8000	0.26	0.26	0.00	0.00	0.00	0,255

Frequency



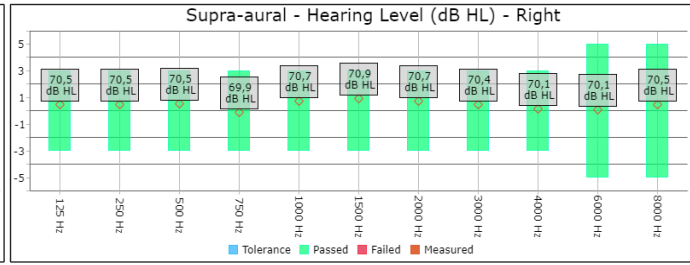
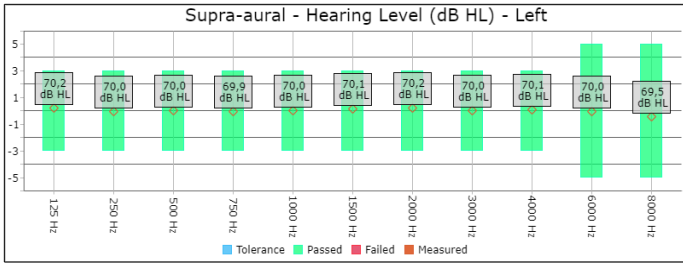
Frequency	Measured	Min	Max
125	125.0	124	126
250	250.0	248	253
500	500.0	495	505
750	750.0	743	758
1000	1000.0	990	1010
1500	1500.0	1485	1515
2000	2000.0	1980	2020
3000	2999.9	2970	3030
4000	3999.9	3960	4040
6000	5999.9	5940	6060
8000	7999.8	7920	8080

Frequency	Measured	Min	Max
125	125.0	124	126
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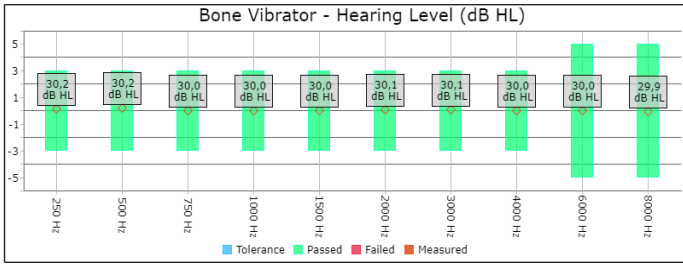
Frequency	Measured	Min	Max
250	250.0	248	253
500	500.0	495	505
750	750.0	743	758
1000	1000.0	990	1010
1500	1500.0	1485	1515
2000	2000.0	1980	2020
3000	2999.9	2970	3030
4000	3999.9	3960	4040
6000	5999.9	5940	6060
8000	7999.8	7920	8080

Hearing Level



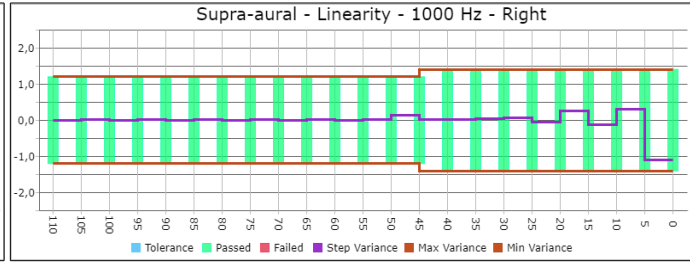
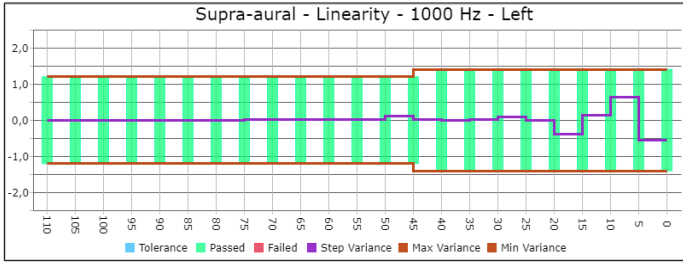
Frequency	Measured	Target	Measured	Min	Max
125	125.0	70	70.2	67	73
250	250.0	70	70.0	67	73
500	500.0	70	70.0	67	73
750	750.0	70	69.9	67	73
1000	1000.0	70	70.0	67	73
1500	1500.0	70	70.1	67	73
2000	2000.0	70	70.2	67	73
3000	2999.9	70	70.0	67	73
4000	3999.9	70	70.1	67	73
6000	5999.9	70	70.0	65	75
8000	7999.9	70	69.5	65	75

Frequency	Measured	Target	Measured	Min	Max
125	125.0	70	70.5	67	73
250	250.0	70	70.5	67	73
500	500.0	70	70.5	67	73
750	750.0	70	69.9	67	73
1000	1000.0	70	70.7	67	73
1500	1500.0	70	70.9	67	73
2000	2000.0	70	70.7	67	73
3000	2999.9	70	70.4	67	73
4000	3999.9	70	70.1	67	73
6000	5999.9	70	70.1	65	75
8000	7999.8	70	70.5	65	75



Frequency	Measured	Target	Measured	Min	Max
250	250.0	30	30.2	27	33
500	500.0	30	30.2	27	33
750	750.0	30	30.0	27	33
1000	1000.0	30	30.0	27	33
1500	1500.0	30	30.0	27	33
2000	2000.0	30	30.1	27	33
3000	2999.9	30	30.1	27	33
4000	3999.9	30	30.0	27	33
6000	5999.9	30	30.0	25	35
8000	7999.8	30	29.9	25	35

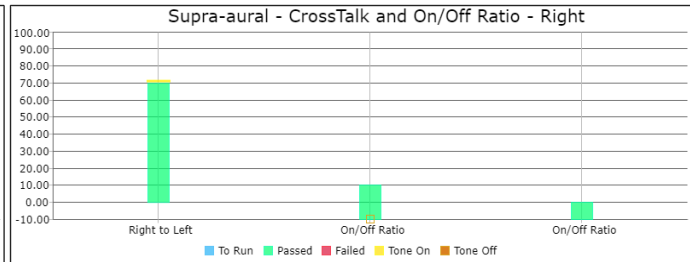
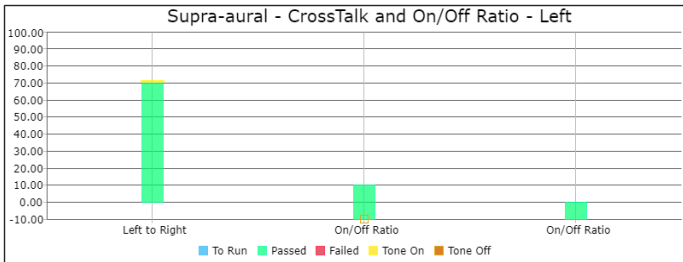
Linearity



Expected	Measured	Step Variance	Accumulated Error
110	110.8		
105	105.8	-0.00	-0.00
100	100.8	0.00	-0.00
95	95.8	0.00	0.00
90	90.8	0.00	0.00
85	85.8	0.00	0.01
80	80.8	0.00	0.01
75	75.8	0.00	0.02
70	70.8	0.01	0.02
65	65.8	0.01	0.03
60	60.7	0.01	0.04
55	55.7	0.01	0.04
50	50.7	0.01	0.05
45	45.6	0.11	0.17
40	40.6	0.03	0.19
35	35.6	-0.01	0.18
30	30.6	0.03	0.21
25	25.5	0.08	0.29
20	20.5	-0.01	0.28
15	15.9	-0.39	-0.10
10	10.8	0.13	0.02
5	5.1	0.63	0.66
0	0.7	-0.55	0.11

Expected	Measured	Step Variance	Accumulated Error
110	110.9		
105	105.9	-0.00	-0.00
100	100.9	0.01	0.01
95	95.9	-0.00	0.01
90	90.9	0.01	0.02
85	85.9	0.00	0.03
80	80.8	0.01	0.04
75	75.8	0.00	0.05
70	70.8	0.01	0.06
65	65.8	0.00	0.06
60	60.8	0.01	0.07
55	55.8	0.01	0.08
50	50.8	0.02	0.10
45	45.7	0.13	0.23
40	40.6	0.01	0.24
35	35.6	0.02	0.25
30	30.6	0.04	0.29
25	25.5	0.06	0.35
20	20.6	-0.05	0.30
15	15.3	0.24	0.54
10	10.5	-0.13	0.41
5	5.2	0.30	0.71
0	1.3	-1.09	-0.39

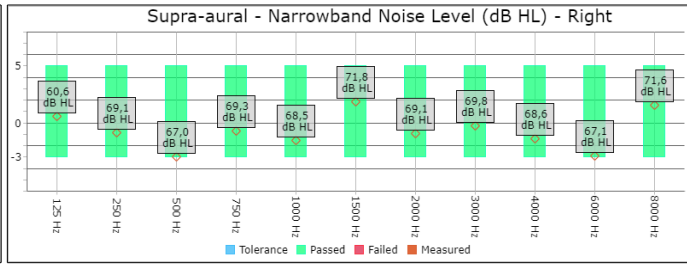
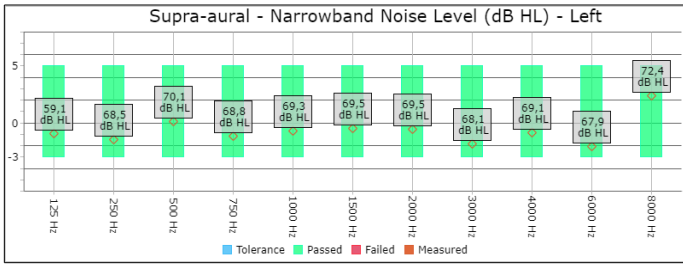
CrossTalk and On/Off Ratio



Test	Tone On	Tone Off	Difference	Deviation
Left to Right	71,5	-10,6	82,1	12,1
On/Off Ratio	---	-9,7	---	19,7
On/Off Ratio	---	-12,0	---	12,0

Test	Tone On	Tone Off	Difference	Deviation
Right to Left	71,6	-10,0	81,7	11,7
On/Off Ratio	---	-9,7	---	19,7
On/Off Ratio	---	-12,0	---	12,0

Narrowband Noise Level



Frequency	Target	Measured	Min	Max
125	60	59.1	57	65
250	70	68.5	67	75
500	70	70.1	67	75
750	70	68.8	67	75
1000	70	69.3	67	75
1500	70	69.5	67	75
2000	70	69.5	67	75
3000	70	68.1	67	75
4000	70	69.1	67	75
6000	70	67.9	67	75
8000	70	72.4	67	75

Frequency	Target	Measured	Min	Max
125	60	60.6	57	65
250	70	69.1	67	75
500	70	67.0	67	75
750	70	69.3	67	75
1000	70	68.5	67	75
1500	70	71.8	67	75
2000	70	69.1	67	75
3000	70	69.8	67	75
4000	70	68.6	67	75
6000	70	67.1	67	75
8000	70	71.6	67	75