

APPENDIX A
Field Data Sheets

6/12/08

Rion #2
B&K

Start 6:30 PM
Stop 6:30:30 PM
Total Time 30 sec

Calibration Data		
Time	<u>6:04 PM</u>	<u>9:05 PM</u>
Level	<u>93.9</u>	<u>93.9</u>

30 sec
Aircraft
Flyover
(Approach
Path)
@ Amphitheatre

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250				
500				
1000				
2000				
4000				
8000				

A Weighted	
Leq	<u>44.7</u>
Lmax	<u>64.0</u>
Lmin	<u>32.3</u>

Weather	
Clouds	
Temp	
Wind	

Event Description Approach aircraft
Event Location Amphitheatre
Measurement Location _____
Storage #
Comments: _____

Start 6:34:20
Stop 6:34:50
Total Time 30 sec

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250				
500				
1000				
2000				
4000				
8000				

A Weighted	
Leq	<u>48.2</u>
Lmax	<u>54.7</u>
Lmin	<u>39.1</u>

30.9 dBA
L_{MIN} = ~~32.5~~
6:40 PM
to 6:45 PM

Weather	
Clouds	
Temp	
Wind	

Event Description 30 sec aircraft flyover
Event Location Amphitheatre
Measurement Location _____
Storage #
Comments: _____

Rion #2

Start 7:07 PM +
 Stop 7:10 PM
 Total Time 3 minutes*

Calibration Data	
Time	
Level	

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250		110.0 *		
500		109.1 *		
1000		112.0 *		
2000		114.8		
4000		115.4		
8000				

A Weighted	
Leq	
Lmax	
Lmin	

HEAR

Weather	
Clouds	
Temp	
Wind	

Event Description Lmax @ 1 meter from speaker
 Event Location SOURCE
 Measurement Location AT 1 METER

Storage # B&K

Comments: HEAR CAR NOISE REFLECTING OFF FAR WALL OF QUARRY

* Alimed could hear these tones at driveway entrance but could not discern any movement in the meter reading

Start 7:28 PM +
 Stop _____
 Total Time _____

Calibration Data	
Time	
Level	

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250				
500		109.8		
1000				
2000				
4000				
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location _____
 Measurement Location _____
 Storage # _____
 Comments: _____

Rion #2

Start 7:58 PM
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250		108.8		
500		108.5		
1000		112.4		
2000		115.4		
4000		114.5		
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description At 1 meter from speaker
 Event Location _____
 Measurement Location _____

Storage # B&K

Comments: Simultaneous readings at driveway entrance and opposite go-cart track (on trail)

Start _____
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250				
500				
1000				
2000				
4000				
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location _____
 Measurement Location _____

Storage # _____

Comments: _____

Start 7:30
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Back

40.5
 35.6
 38.6

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250	49			
500	31.2			
1000	33			
2000	—			
4000	—			
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location _____
 Measurement Location AP H Gate
 Storage #
 Comments: _____

Start 8:00
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250	41.5			
500	35.9			
1000	39.6			
2000	39.5			
4000	33			
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location Near Track (halfway between Gate - Quarry)
 Measurement Location _____
 Storage #
 Comments: _____

Start 8:00
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63	1	2	3	4
125				
250	NH			
500	NH			
1000	NH			
2000	NH			
4000	NH			
8000	NH			

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	0
Temp	79.6
Wind	0.5

NH: 68.7 - 70.9

Event Description _____
 Event Location AT GATE
 Measurement Location _____
 Storage #
 Comments: BKGRD TRAFFIC DOMINATE NOISE

Start 8:30
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250	NH			
500	47.5	CAR PASSBY		
1000	46			
2000	NH			
4000	NH			
8000	NH			

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	0
Temp	70.5
Wind	0

NH: 83.0

Event Description _____
 Event Location AT GATE
 Measurement Location _____
 Storage #
 Comments: BASED 44

37.4

44.1
39.2
42
35.9

Start 8:30
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Back

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
37.5 250	32.6			
40.1 500	41.5			
33.5 1000	38.8			
33 2000	40.5			
27 4000	40.4			
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location Near Track
 Measurement Location _____
 Storage #
 Comments: _____

Start 8:55
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Back

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
37.2 250	35.4			
30.9 500	37.1			
31.3 1000	36.4			
30.9 2000	32.2			
27.1 4000	—			
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location Near Track
 Measurement Location _____
 Storage #
 Comments: _____

Start 8:57
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250	116.2			
500	31.8			
1000	32.2			
2000	28.2			
4000	NA			
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	0
Temp	17.5
Wind	0
Hum	88.3%

Event Description _____
 Event Location _____
 Measurement Location GATE
 Storage #
 Comments: _____

Start 9:06
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250	46.8			
500	NA			
1000	NA			
2000	23.4			
4000	NA			
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location _____
 Measurement Location GATE
 Storage #
 Comments: _____

Rion #2

Start 8:56 PM†
 Stop 8:59 PM
 Total Time _____

Calibration Data	
Time	
Level	

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250		109.7		
500		109.6		
1000		112.5		
2000		112.5		
4000		112.5		
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Loud bang to east at 8:55 PM

Event Description At 1 meter from speaker
 Event Location _____
 Measurement Location _____
 Storage #

Comments: Simultaneous readings at driveway entrance and opposite go-cart track

Start 9:
 Stop _____
 Total Time _____

Calibration Data	
Time	
Level	

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250				
500				
1000				
2000				
4000				
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location _____
 Measurement Location _____
 Storage #

Comments: _____

Start 9:00
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Back

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250	38.2			
500	41.2			
1000	40.9			
2000	41.8			
4000	37.6			
8000				

34
 33.8
 31.7
 30.3
 27.7

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location Near Track
 Measurement Location _____
 Storage #
 Comments: _____

Start 9:05 (tableted)
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Back

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250	40.4			
500	40.6	motor		
1000	47.2	flyover		
2000	32.1			
4000				
8000				

33.9
 34.6
 34.8
 30.7

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location Near Track
 Measurement Location _____
 Storage #
 Comments: _____

Start _____
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250				
500				
1000				
2000				
4000				
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location _____
 Measurement Location AT GATE
 Storage #
 Comments: _____

Start _____
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125			81	
250	39.1	42.1	42.0	
500	31.2	36.7	27.2	
1000	22	22	35.5	
2000	12	22		
4000	21.2	21.2		
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location _____
 Measurement Location AT GATE
 Storage #
 Comments: Acoustic on site

Start 9:10
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Back

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250	36.4			
500	41.4			
1000	39.8	Phon		
2000	47.9			
4000	37.8			
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

32.1
 28
 30.8
 30.7
 27.2

Event Description _____
 Event Location Near Truck
 Measurement Location _____
 Storage #
 Comments: _____

Start _____
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250				
500				
1000				
2000				
4000				
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location _____
 Measurement Location _____
 Storage #
 Comments: _____

Start _____
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250				
500				
1000				
2000				
4000				
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description CHALFONT HEARD 7000³ 9:26
 Event Location LOTS OF BACKGAD TRAFFIC
 Measurement Location _____

Storage #

Comments: _____

Start _____
 Stop _____
 Total Time _____

Calibration Data		
Time		
Level		

Linear (flat)				
Oct. Band	Leq	Lmax	Lmin	Sel
63				
125				
250				
500				
1000				
2000				
4000				
8000				

A Weighted	
Leq	
Lmax	
Lmin	

Weather	
Clouds	
Temp	
Wind	

Event Description _____
 Event Location _____
 Measurement Location _____

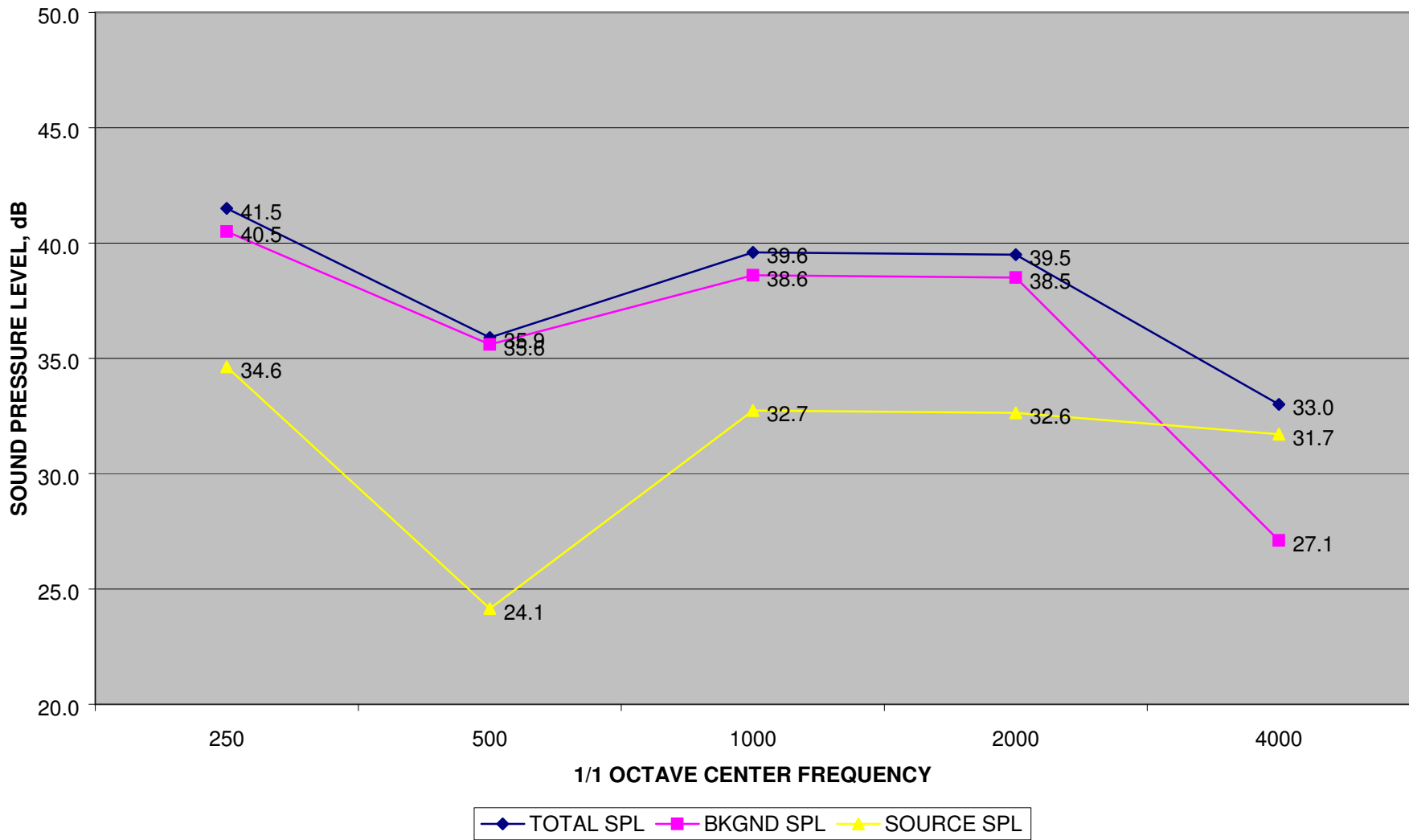
Storage #

Comments: _____

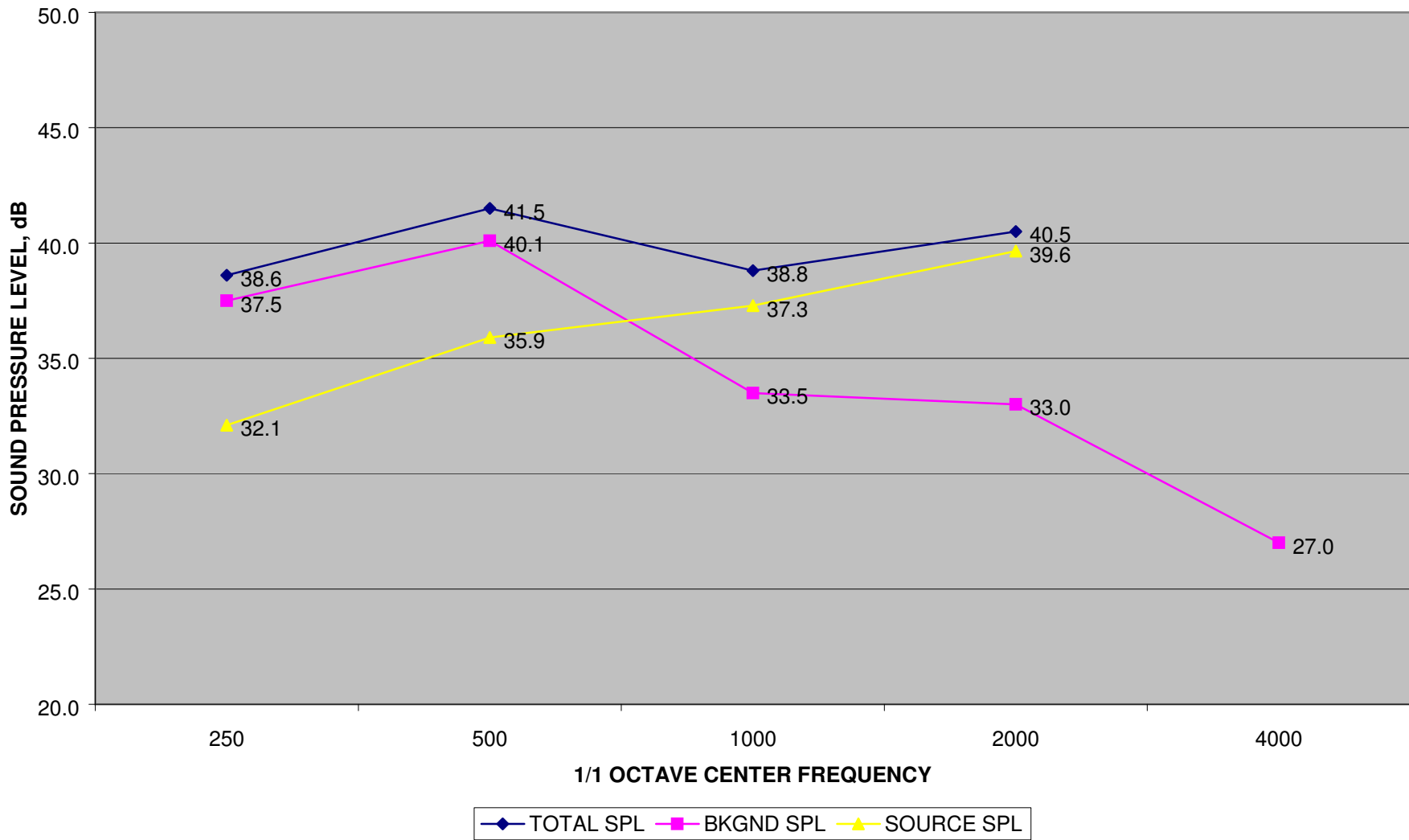
APPENDIX B

Measurement Results

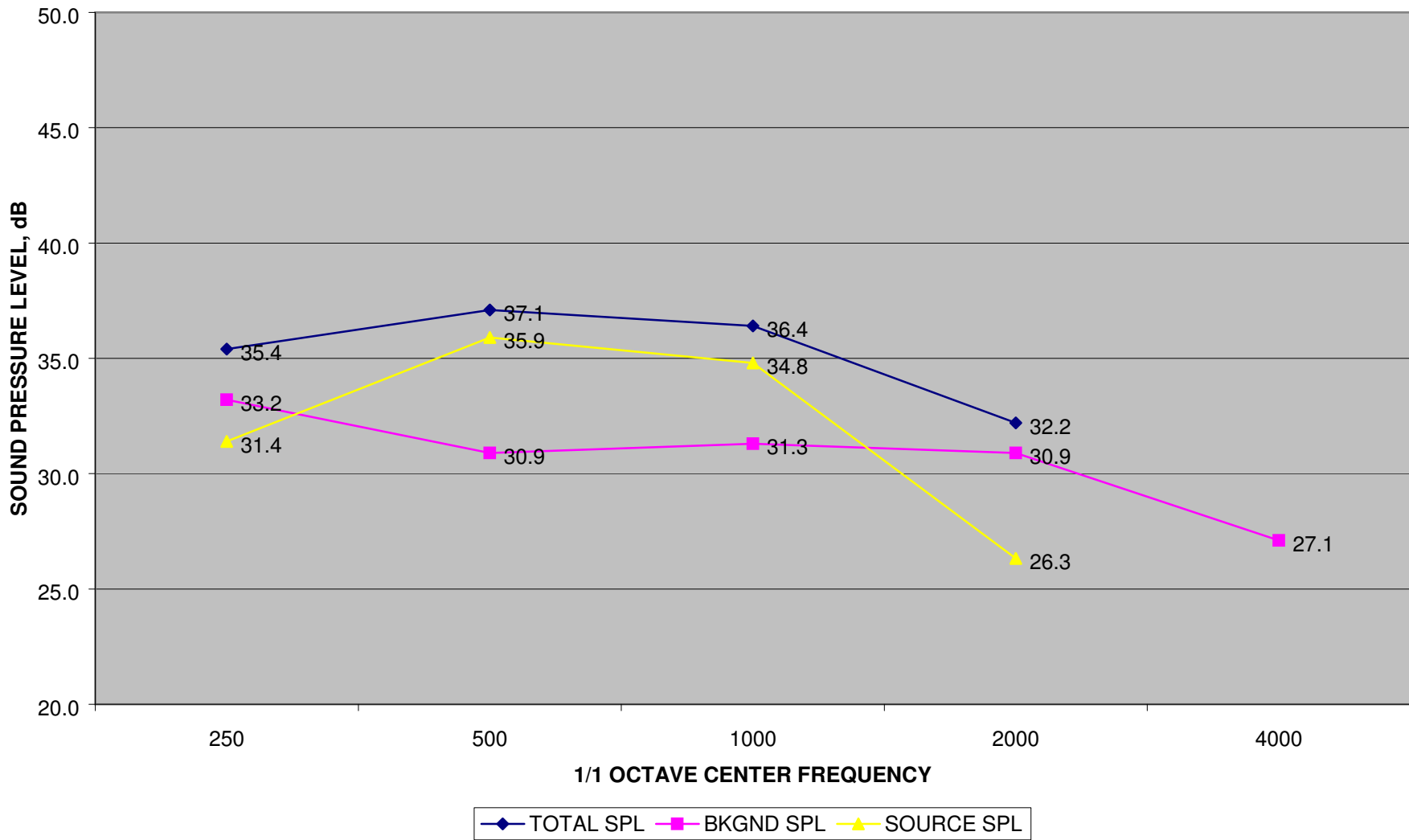
**VALHALLA BRANDYWINE OUTDOOR ACTIVITIES
MEASUREMENT SITE A (8:00 pm)**



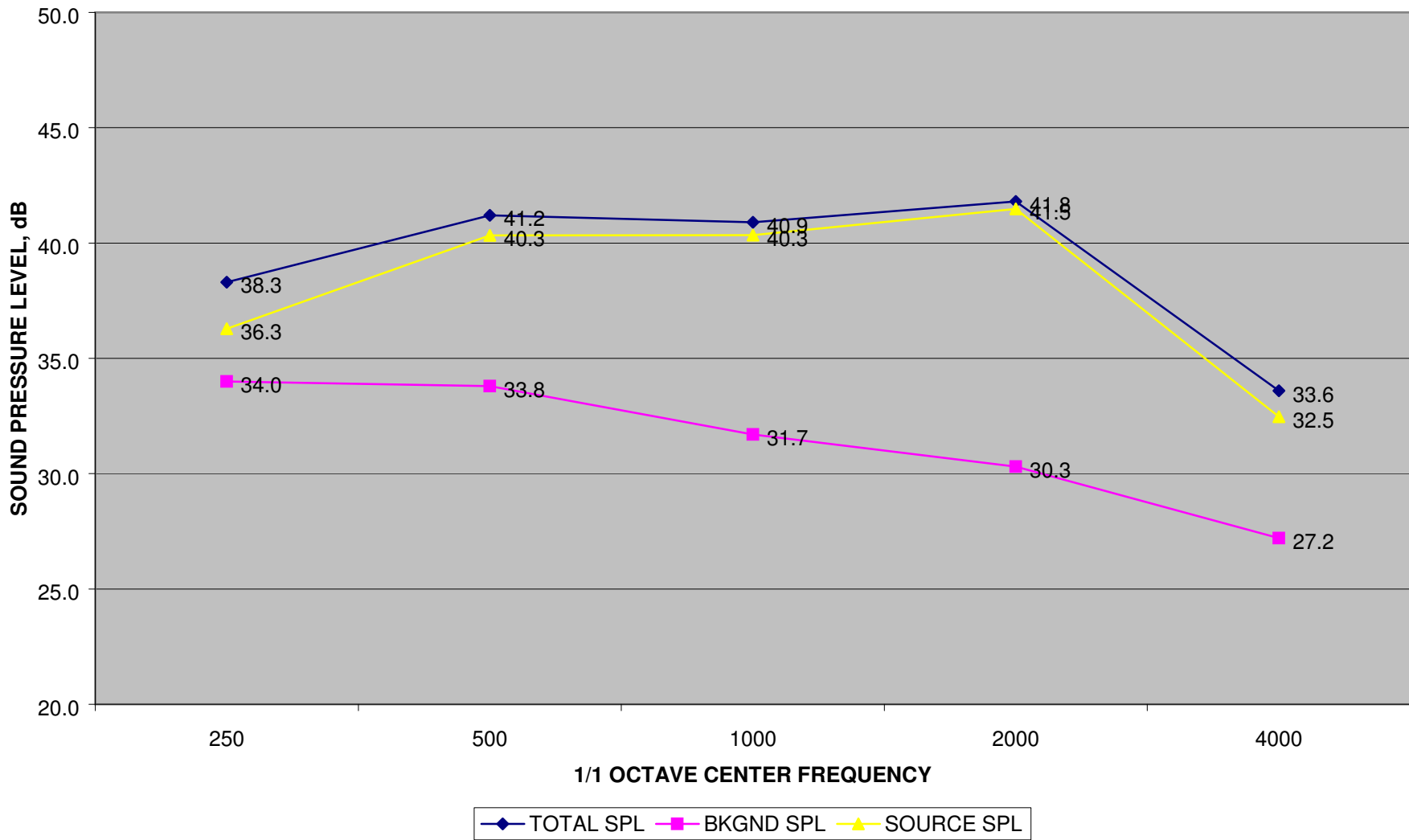
**VALHALLA BRANDYWINE OUTDOOR ACTIVITIES
MEASUREMENT SITE A (8:30 pm)**



**VALHALLA BRANDYWINE OUTDOOR ACTIVITIES
MEASUREMENT SITE A (8:55 pm)**



**VALHALLA BRANDYWINE OUTDOOR ACTIVITIES
MEASUREMENT SITE A (9:00 pm)**



**VALHALLA BRANDYWINE OUTDOOR ACTIVITIES
MEASUREMENT SITE A (9:10 pm)**

