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CAIRNS AUDIOLOGY GROUP
HEARING TECHNOLOGY COMMUNICATION SOLUTIONS

Acoustic Report for The Lyndoch Motor Inn

Premises: **The Lyndoch Motor Inn**
215 Victoria St
Cardwell, QLD, 4869

Client: Sch4/3/3

For The Lyndoch Motor Inn
Phone: 07 4066 8500
Mobile: [REDACTED]
Email: [REDACTED]

Date of Report:

Dates of Assessment: Saturday, September 14th 2013 to Sunday, September 15th 2013

Assessment Details: Intrusive noise level measures completed on Saturday, September 14th 2013 (20:00 – 24:00)
Background noise level measures completed on Sunday, September 15th 2013 (2:00 – 3:00)

Report Finalised: Monday, October 21st 2013

Instrumentation:

All measurements were taken using a Larsen Davis Model Number 831 Sound Level Meter

Sound Level Meter: Model 831, Serial Number: 02123

Microphone: Model 377B02, Serial Number: 114313

Calibration Date: 30th May 2013

For calibration certification, see Appendix 1.

Equipment Settings:

All Sound Pressure Level readings for this assessment were recorded using fast response C weighting.

Full fast response C weighted octave band measures were also taken from 63Hz to 2000Hz to allow for comparison of L_{Oct}10 (post 10pm) to comply with Regulation 40 Liquor Regulation 2002.

The type of music utilised for testing was blues/rock recorded music stereotypical to the style of music which is usually played at the Lyndoch Motor Inn. The music was played from a CD through a public-address system.

Premises Description:

The Lyndoch Motor Inn is a Motel which has 32 air-conditioned guest rooms with ensuites and 4 self-contained units. The property also has an a la carte restaurant and bar with two pool tables, as well as an outside beer garden/BBQ area beside a fully fenced resort style swimming pool.

The two areas in which amplified music is proposed to be used are the bar and the beer garden.

Bar Description:

The bar is part of a building which also contains the restaurant, kitchens, toilets and administration office. The building consists of a large rectangular room enclosed with concrete block walls on all four sides. There are five entrances into the bar area of the building consisting of:

- a set of glass swinging doors which open from the restaurant area to the driveway on the north-west side of the building,

- a set of glass doors which open from the restaurant area to the footpath front entry of the building on the south-east side of the building,
- a set of glass doors which open out from the bar towards the beer garden,
- a service door which opens from behind the bar out to the driveway on the north-west side of the building,
- a single door towards the rear of the building which opens from the bar out towards the beer garden area.

The building also has many sets of large glass windows; however, when entertainment is being provided the windows are kept in the closed position with cooling being provided by the air-conditioning system. It is noted that none of these doors or windows are sound rated or have been fitted with acoustic treatment at the time of the assessment.

The glass doors leading to the restaurant and bar generally remain open during operation hours of the venue; however, when entertainment is being provided the glass doors remain in the closed position. The 3 sets of glass swinging doors are identified as the primary source of intrusive noise to the affected residential premises on the Bruce Highway. The glass doors at the front of the building (closest to the Bruce Highway) are the main doors used by patrons when entering and leaving the property.

The bar area is located on the south-east side of the building closest to the beer garden. It consists of a bar for serving drinks, a large wooden dance floor and a space for two pool tables. The restaurant area is located on the side of the building closest to the Bruce Highway, and is partially separated from the bar by two sets of sliding glass partitions. These partitions are generally kept in the open position; however, when entertainment is being provided they are kept in the closed position. Towards the rear of the venue is a commercial kitchen which is not isolated from the main room by an acoustic wall. Also to the rear of venue is a door (not acoustically rated) which leads to separate male and female toilet facilities. The toilet facilities are fully enclosed, with the exception of window openings.

Image 1 – View of venue from the bar to the restaurant at the front of the building. (Note: a set of glass partitions have been installed between the dance floor and the restaurant since this photo was taken.)



Image 2 – View of the bar area to the rear of the building from the restaurant. (Note: a set of glass partitions have been installed between the dance floor and the restaurant since this photo was taken.)

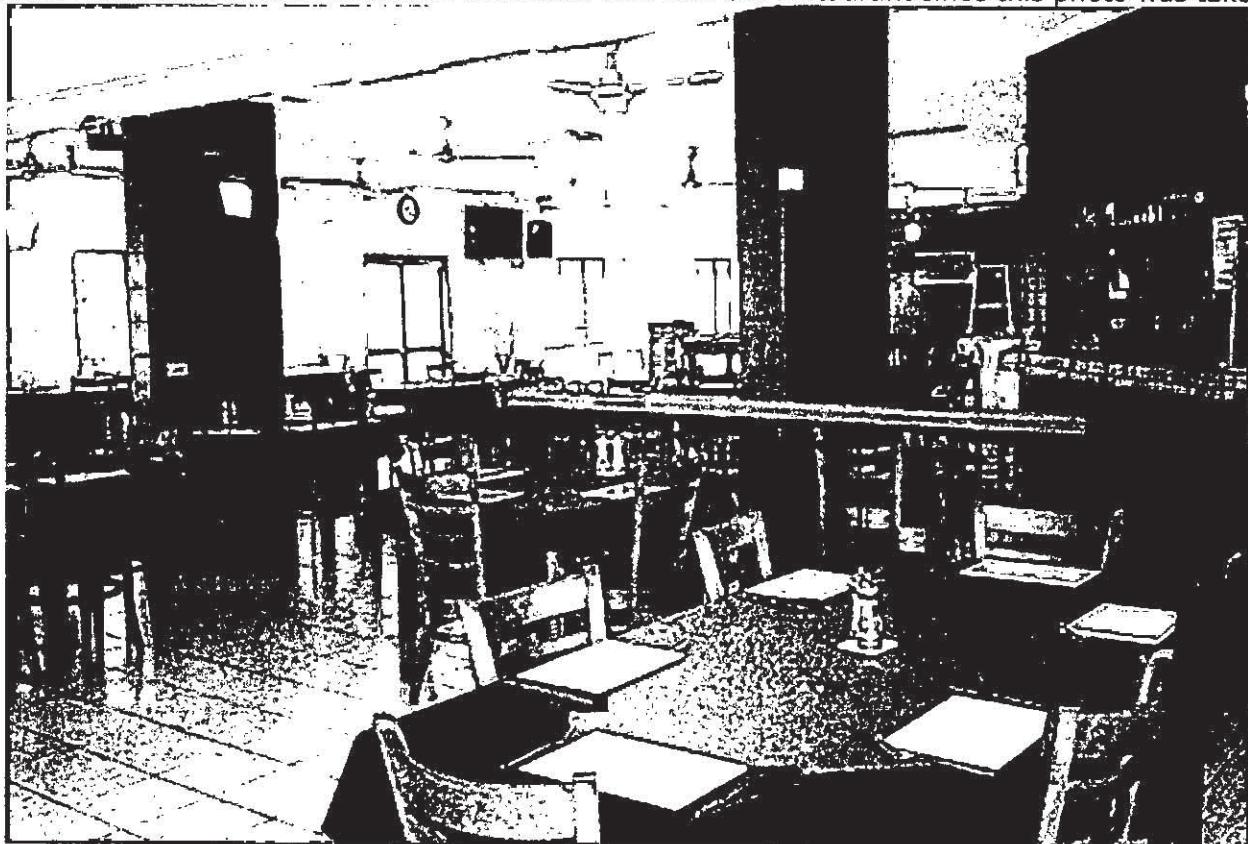


Image 3 – View from the rear of the bar area to the restaurant at the front of the building. (Note: a set of glass partitions have been installed between the dance floor and the restaurant since this photo was taken.)



Beer Garden Description:

The beer garden is a paved open-air area which includes numerous tables and chairs covered by shade cloths. It is positioned between the pool and the building containing the restaurant/bar and faces out onto the Bruce Highway. The beer garden is fully fenced with a gate leading out to the Bruce Highway which is the main point of entry and exit for patrons. The area allocated for the setup of musical entertainment is located directly to the left of the entrance to the bar from the beer garden.

Image 4 – View of the beer garden area facing back towards the Motel.

**Location Description:**

The Lyndoch Motor Inn is located at 215 Victoria Street and fronts onto the Bruce Highway in the City of Cardwell. The property consists of numerous buildings including 5 blocks of accommodation surrounding the main restaurant and bar building. The property is located at an elevation of approximately 10 metres above sea level.

Adjacent to the property on the south-eastern side is a residential property. To the rear of the property are two vacant lots which are also part of the Lyndoch Motor Inn. To the north-west of the property is a commercial property which is not currently in operation, but has previously been used as a restaurant. On the opposite side of the Bruce Highway are residential properties.

The nearest affected residential boundary to the areas providing entertainment is Sch4/3/3 [REDACTED], a residential property located opposite from the Lyndoch Motor Inn on the Bruce Highway. All intrusive and ambient noise measures were performed at the fence-line of this property (See survey location 1 on Geographical Layout) with an unimpeded line of sight to the entertainment areas of the Lyndoch Motor Inn.

**Atmospheric Conditions:**

Atmospheric conditions were obtained from the Bureau of Meteorology for the time periods closest to when survey measurements were taken, and have been summarised in the table below. Observations are issued from the Cardwell Marine Pde Station ID: 032004 Lat: -18.25, Lon: 146.02 Height: 5.0m.

Saturday, 14th September 2013 & Sunday, 15th September 2013 – Sound Level Survey at Lyndoch Motor Inn

Station Details	ID 032004	Cardwell Marine Pde: Lat -18.25 Lon: 146.02		
Date : Time	Wind Speed (Avg)	Wind Dir	Temperature	Humidity
14/09/2013:15:00	13 km/hr	ENE	26.0°C	70%
15/09/2013:09:00	Calm	Calm	24.2°C	85%

Sound Level Survey Plan:

For the purposes of this assessment measurements were taken in both the bar and beer garden as amplified musical entertainment is provided in both of these locations, although never at the same time.

For the bar the main public-address system was positioned on the south-east wall that is adjacent to the beer garden with the amplified sound projecting back towards the bar and the rear of the venue. It was indicated that this configuration is most similar to the setup used when the venue is under normal operation.

For the beer garden the main public-address system was positioned to the left of the entrance to the bar from the beer garden, with the amplified sound projecting out towards the beer garden and pool area. It was indicated that this configuration is most similar to the setup used when the venue is under normal operation.

Patron noise was present during the assessment; with approximately 30 patrons being present whilst the assessment was being conducted who were moving between the bar and beer garden areas. No other noise sources were identified as significant contributors for the purposes of this assessment, with

the exception of normal plant and equipment associated with operating a commercial premises of this nature (such as air-conditioning systems).

Image 5 – Public Address System Configuration and SLM Setup in the Bar area.

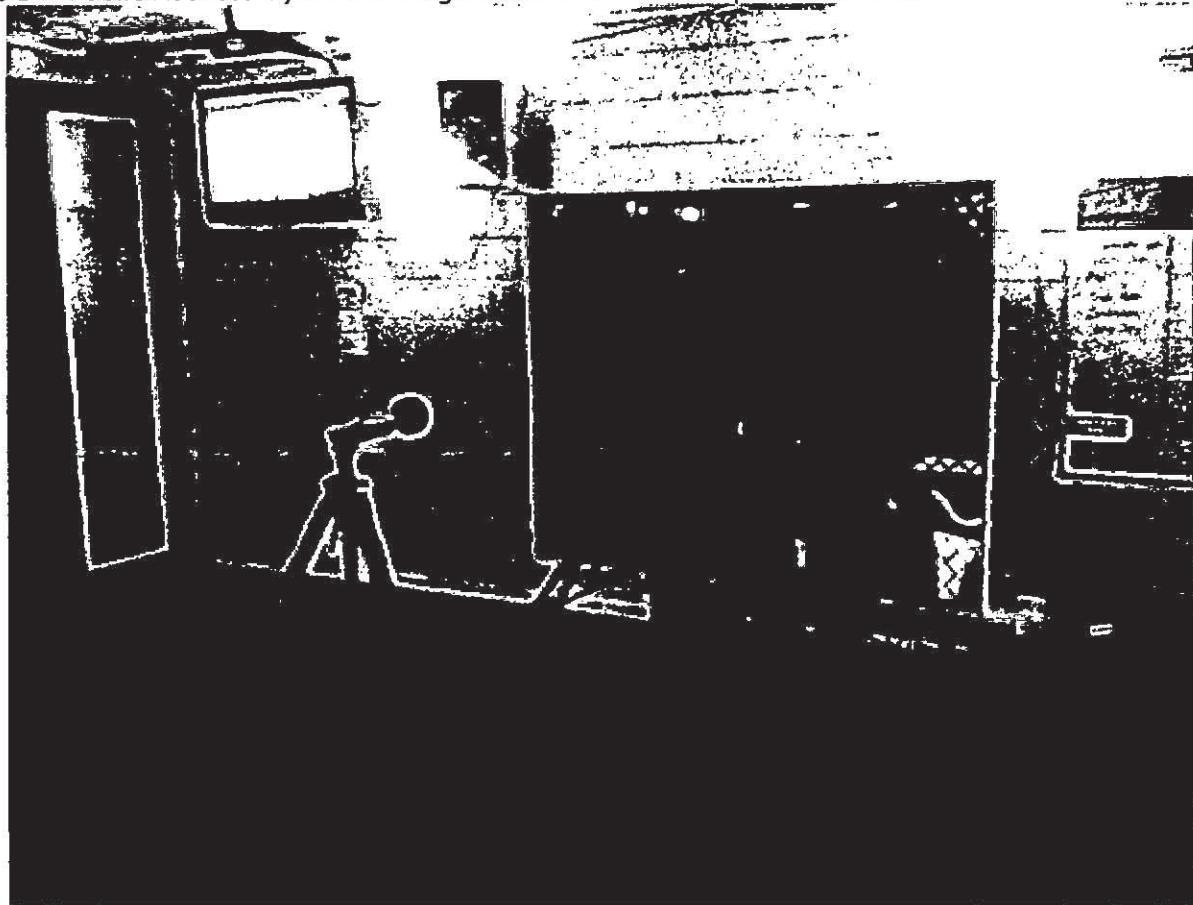
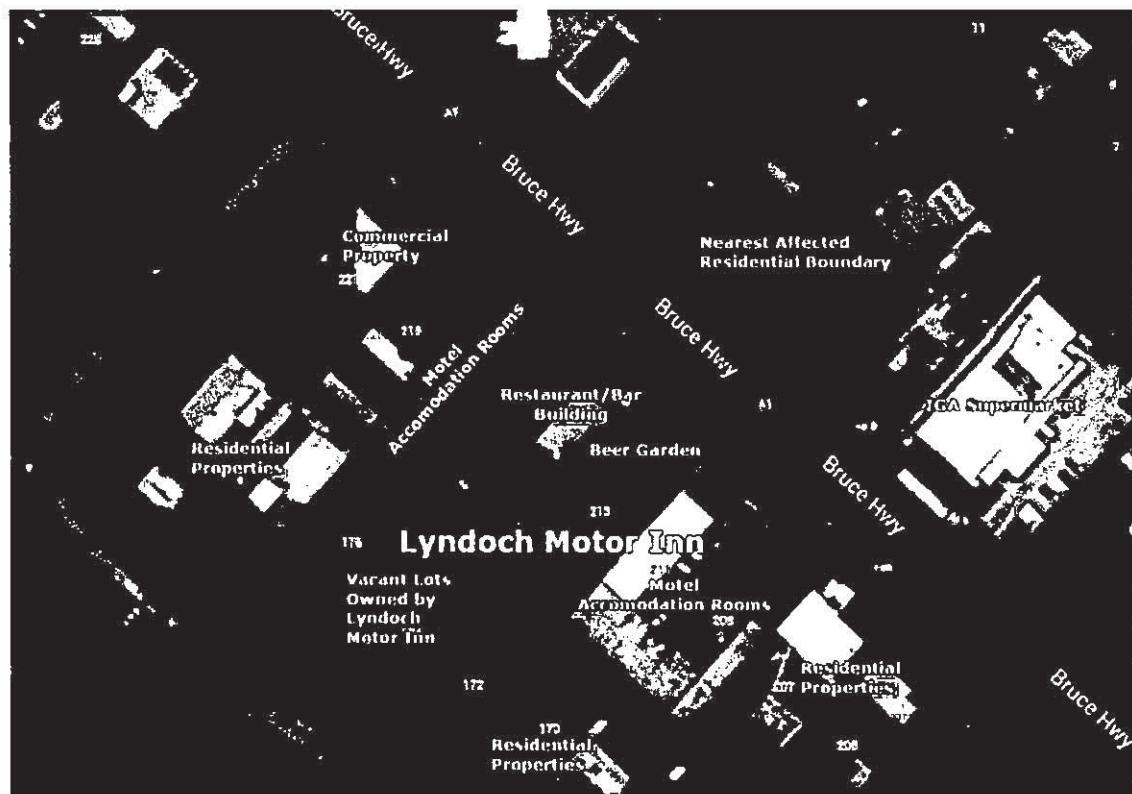


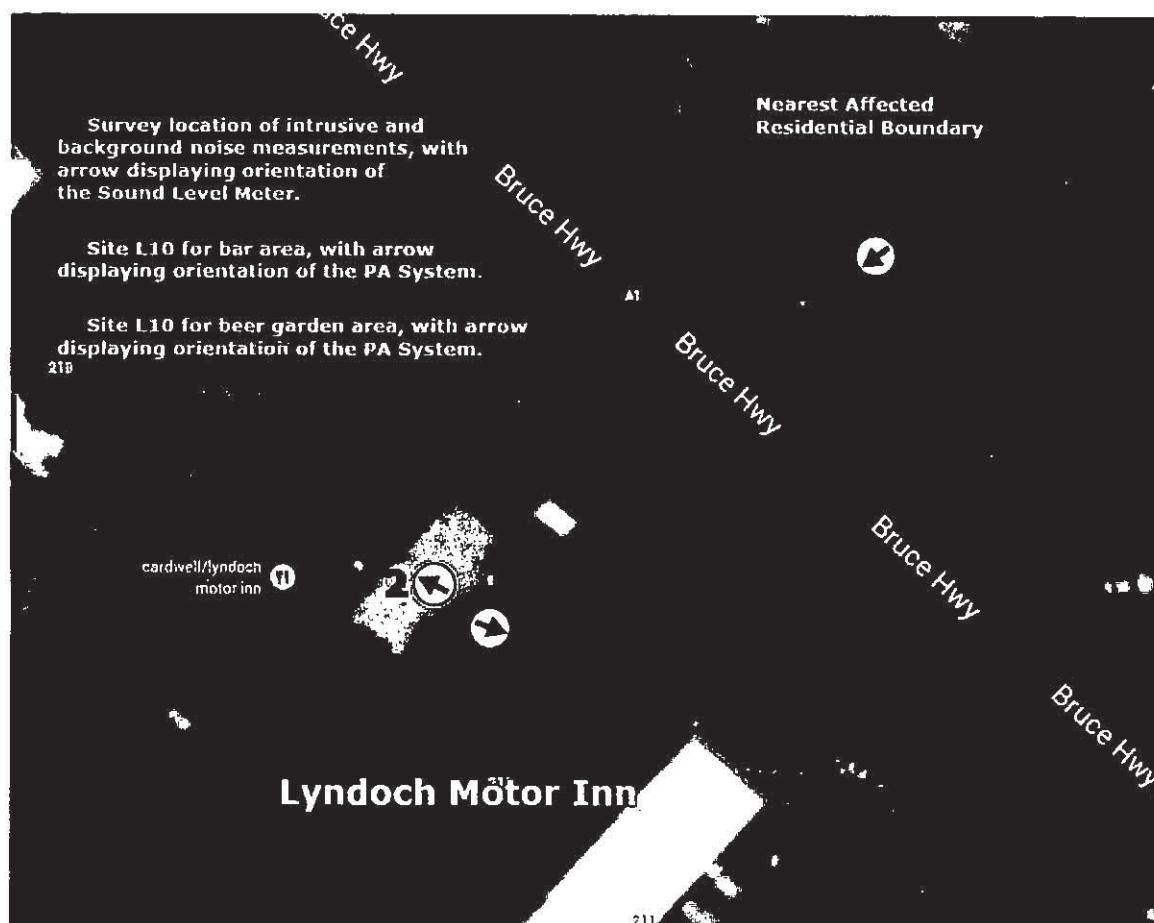
Image 6 – Public Address System Configuration and SLM Setup in the Beer Garden area.



Geographic Layout of The Lyndoch Motor Inn relative to nearby premises:



Monitoring Sites and affected dwellings:



Comment on Background Noise:

Background noise measurements were conducted from 2:30am on the morning of Sunday, 15th September 2013.

This time period was selected to be representative of background noise levels in the 'worst case scenario' as minimal pedestrian and car traffic is expected in the area at this time. Measurements were conducted whilst all music was stopped and all associated machinery was stopped at the Restaurant/Bar building of the Lyndoch Motor Inn. Individual air-conditioners used in the occupied rooms of the surrounding accommodation buildings was still in operation; however, the noise emanating from these was not audible at the nearest affected boundary.

Weather conditions remained stable for the duration of the survey, with environmental variables excluded as a significant factor in analysis of the sound level survey results.

No traffic was present at all whilst background noise measurements were taken and the only observations which influenced background noise levels were associated with air conditioner plant under normal operation at the IGA supermarket located at 196-198 Victoria Street. No significant impulse noise was observed during the recording period.

Comment on Readings:

Program material measurements were conducted in both the bar and the beer garden at a distance of 3 metres from the primary sound source as per Liquor Licencing Guidelines.

Intrusive noise measurements from both the bar and beer garden were conducted for the period prior to 10pm and the period after 10pm at the fence-line of 206 Victoria Street. The public-address system was in operation across the survey time period as with plant and equipment used in normal commercial operation of the premises.

Program material from both the bar and beer garden was clearly audible at the fence-line of Sch4/3/3 [REDACTED] with The Lyndoch Motor Inn's facilities under normal operation for both time periods.

Survey measurements were paused to remove impulse measures associated with transient sounds associated with heavy-vehicle traffic along the Bruce Highway. Results tables for the bar and beer garden in each time period have been included in the appendices for reference.

Maximum Allowable Noise Level:

Calculations were completed for the nearest affected boundary [REDACTED] for both before and after 10pm, with the post 10pm calculations using the prescribed normalisation moderator.

Calculation tables for the survey are provided on page 10 of this report for both the bar and the beer garden.

For the bar, the most significant exceedances measured were 1.3dBC before 10pm and 14.5dBC in the 125Hz octave band post 10pm.

Bar Area pre 10pm calculation of acceptable sound pressure level:

New recommended level: 105.3dBC - 1.3dBC = 104dBC.

Bar Area post 10pm calculation of acceptable sound pressure level (using normalisation moderated values):

New recommended level: 111dBC - 14.5dBC = 96.5dBC.

For the beer garden, the most significant exceedances measured were 12.6dBC before 10pm and 28dBC in the 125Hz octave band post 10pm.

Beer Garden Area pre 10pm calculation of acceptable sound pressure level:

New recommended level: 103.7dBC - 12.6dBC = 91.1dBC.

Beer Garden Area post 10pm calculation of acceptable sound pressure level (using normalisation moderated values):

New recommended level: 111dBC - 28dBC = 83dBC.

Final Recommendations:

With a view to maintaining intrusive noise levels for business and residential premises adjacent to The Lyndoch Motor Inn within the bounds set out in Regulation 40 of the Liquor Regulation for 2002:

- Noise emanating from the **bar area** of the premises **prior to 10:00pm** including amplified and non-amplified noise and patron noise **must not exceed 104dB(C)**, fast response when measured approximately 3 metres from the primary source of noise.
- Noise emanating from the **bar area** of the premises **after 10:00pm** including amplified and non-amplified noise and patron noise **must not exceed 96dB(C)**, fast response when measured approximately 3 metres from the primary source of noise.
- Noise emanating from the **beer garden** area of the premises **prior to 10pm** including amplified and non-amplified noise and patron noise **must not exceed 91dB(C)**, fast response when measured approximately 3 metres from the primary source of noise.
- Noise emanating from the **beer garden** area of the premises **after 10pm** including amplified and non-amplified noise and patron noise **must not exceed 83dB(C)**, fast response when measured approximately 3 metres from the primary source of noise.

Further to these recommendations, as the Lyndoch Motor Inn does not have a permanent PA system setup for the use of all entertainment (musicians bring their own amplification equipment), it is recommended that the Lyndoch Motor Inn obtains a Sound Level Meter that is routinely calibrated for monitoring all entertainment acts and ensuring the above recommendation level are not exceeded.

Name of Acoustic Consultant:

Matthew Del Favero
Audiologist - Cairns Audiology Group
Masters of Audiology (University of Qld)
Certified Member of Audiology Australia

	Survey Location	Bar								
	Frequency	63	125	250	500	1000	2000	dB(lin)	dBc	dBA
A	Normalisation Moderator	105	109	100	99	96	95	111	111	102
B1	Site L10 (3m from Source) (before 10pm)	101.4	100.2	91.8	91.7	93	90.5	105.3	105.3	98.1
C1	(A-B1) (Moderator - Souce) (before 10pm)	3.6	8.8	8.2	7.3	3.0	4.5	5.7	5.7	3.9
D1	Intrusive Levels at Worst affected site L10 (before 10pm)	58.7	53.8	47.2	45.1	42.5	38.6	61.3	61.3	48
E1	(C1+D1) (Normalised intrusive level at affected site) (before 10pm)	62.3	62.6	55.4	52.4	45.5	43.1	67.0	67.0	51.9
B2	Site L10 (3m from Source) (after 10pm)	96.5	99	93.8	94.6	95.8	92.1	104.5	104.5	100.1
C2	(A-B2) (Moderator - Souce) (after 10pm)	8.5	10.0	6.2	4.4	0.2	2.9	6.5	6.5	1.9
D2	Intrusive Levels at Worst affected site L10 (after 10pm)	60	54.7	45.7	40.8	40.8	38	61.5	61.5	46.2
E2	(C2+D2) (Normalised intrusive level at affected site) (after 10pm)	68.5	64.7	51.9	45.2	41.0	40.9	68.0	68.0	48.1
F	Background at worst affected site L90	46.3	42.2	39.6	38.9	37.2	36.4	50.0	50.0	41.5
G1	D1-F (Exceedance of Backgrounds before 10pm) LA10								11.3	6.6
G2	E2-F (Exceedance of Backgrounds after 10pm) LOct10	22.2	22.5	12.3	6.3	3.8	4.5			
H1	Maximum allowable Exceedance (before 10pm)								10	10
H2	Maximum allowable Exceedance (after 10pm)	8	8	8	8	8	8			
I	Reasonable [R] / Unreasonable [U] Level	U	U	U	R	R	R		U	R
J	Increase / Decrease	14.2	14.5	4.3	-1.7	-4.2	-3.5		1.3	-3.4

	Survey Location	Beer Garden								
	Frequency	63	125	250	500	1000	2000	dB(lin)	dBc	dBA
A	Normalisation Moderator	105	109	100	99	96	95	111	111	102
B1	Site L10 (3m from Source) (before 10pm)	89.8	101.4	92.1	90.4	88.6	83.4	103.7	103.7	95.7
C1	(A-B1) (Moderator - Souce) (before 10pm)	15.2	7.6	7.9	8.6	7.4	11.6	7.3	7.3	6.3
D1	Intrusive Levels at Worst affected site L10 (before 10pm)	67.6	70.0	61.5	51.7	53.3	46.8	72.5	72.5	59.8
E1	(C1+D1) (Normalised intrusive level at affected site) (before 10pm)	82.8	77.6	69.4	60.3	60.7	58.4	79.8	79.8	66.1
B2	Site L10 (3m from Source) (after 10pm)	93.2	97.4	92	92.4	94.8	91.2	102.7	102.7	99.2
C2	(A-B2) (Moderator - Souce) (after 10pm)	11.8	11.6	8.0	6.6	1.2	3.8	8.3	8.3	2.8
D2	Intrusive Levels at Worst affected site L10 (after 10pm)	66.9	66.6	59.3	55	53.6	51.9	70.5	70.5	59.9
E2	(C2+D2) (Normalised intrusive level at affected site) (after 10pm)	78.7	78.2	67.3	61.6	54.8	55.7	78.8	78.8	62.7
F	Background at worst affected site L90	46.3	42.2	39.6	38.9	37.2	36.4	50.0	50.0	41.5
G1	D1-F (Exceedance of Backgrounds before 10pm) LA10								22.6	18.3
G2	E2-F (Exceedance of Backgrounds after 10pm) LOct10	32.4	36.0	27.7	22.7	17.6	19.3			
H1	Maximum allowable Exceedance (before 10pm)								10	10
H2	Maximum allowable Exceedance (after 10pm)	8	8	8	8	8	8			
I	Reasonable [R] / Unreasonable [U] Level	U	U	U	U	U	U		U	U
J	Increase / Decrease	24.4	28.0	19.7	14.7	9.6	11.3		12.6	8.3

Appendix 1: SLM Calibration Certificate

CERTIFICATE OF CALIBRATION

CERTIFICATE NO.: SLM 39663 & FILT 0105

Equipment Description: Sound Level Meter

Manufacturer: Larson Davis

Model No: LD-831 Serial No: 0002123

Microphone Type: 377B02 Serial No: 114313

Filter Type: 1/3 Octave Serial No: 0002123

Comments: All tests passed for type 1.
(See over for details)

Owner: Cairns Audiology Group
Suite 17, 600 Bruce Highway
Woree QLD 4868

Ambient Pressure: 1010 hPa ±1.5 hPa

Temperature: 23 °C ±2° C Relative Humidity: 21% ±5%

Date of Calibration: 30/05/2013 Issue Date: 03/06/2013

Acu-Vib Test Procedure: AVP05 (SLM) & AVP06 (Filters)

CHECKED BY:  AUTHORISED SIGNATORY: 

Accredited for compliance with ISO/IEC 17025
The results of the tests, calibration and/or measurements included in this document are traceable to
Australian/national standards.



Accredited Lab. No. 9262
Acoustic and Vibration
Measurements

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Appendix 2: Background Noise Levels (at 206 Victoria Street) Raw Data (after 2am)

Record #	Record Type	Date	Time	63.0	125	250	500	1000	2000	dB(lin)	dBc	dBA	Notes:
1	Run	15/09/2013	02:35:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (start)
2		15/09/2013	02:35:00	51.4	41.5	40.2	40.1	36.8	35.0	53.2	53.2	40.5	
3		15/09/2013	02:35:01	51.1	40.8	40.3	41.5	36.4	35.3	52.0	52.0	40.9	
4		15/09/2013	02:35:02	49.9	40.2	40.4	41.5	36.4	34.9	50.3	50.3	41.0	
5		15/09/2013	02:35:03	46.1	43.0	39.2	40.4	36.1	35.0	48.3	48.3	40.6	
6		15/09/2013	02:35:04	38.9	41.5	40.2	40.1	37.1	34.9	48.1	48.1	40.6	
7		15/09/2013	02:35:05	45.0	39.6	40.1	41.9	36.1	35.1	49.8	49.8	41.1	
8		15/09/2013	02:35:06	46.8	40.8	39.7	41.8	36.5	34.7	50.2	50.2	41.6	
9		15/09/2013	02:35:07	48.7	41.7	41.5	40.7	37.7	35.2	51.1	51.1	40.7	
10		15/09/2013	02:35:08	49.9	41.6	38.0	39.4	36.5	34.9	51.1	51.1	39.9	
11		15/09/2013	02:35:09	49.0	42.7	38.8	38.9	37.5	34.9	50.2	50.2	40.3	
12		15/09/2013	02:35:10	43.1	43.2	38.0	38.7	37.0	34.6	47.0	47.0	40.2	
13		15/09/2013	02:35:11	42.4	41.9	38.4	39.3	37.2	35.1	48.0	48.0	40.4	
14		15/09/2013	02:35:12	43.1	42.3	39.2	38.2	37.1	34.6	49.4	49.4	39.9	
15		15/09/2013	02:35:13	46.9	41.4	38.4	38.9	36.5	34.9	49.2	49.2	40.5	
16		15/09/2013	02:35:14	46.6	41.7	39.4	38.5	37.5	34.9	50.1	50.1	40.0	
17		15/09/2013	02:35:15	48.9	41.6	40.1	39.1	37.1	34.6	49.5	49.5	40.2	
18		15/09/2013	02:35:16	45.8	42.9	37.9	38.8	36.5	35.1	48.5	48.5	39.9	
19		15/09/2013	02:35:17	43.1	40.8	39.3	39.5	36.8	34.7	48.4	48.4	39.8	
20		15/09/2013	02:35:18	45.0	42.4	39.0	38.1	37.0	34.7	49.0	49.0	40.2	
21		15/09/2013	02:35:19	47.2	42.0	39.6	38.6	37.4	35.5	50.1	50.1	40.0	
22		15/09/2013	02:35:20	47.8	42.3	38.0	38.4	37.3	35.0	49.0	49.0	40.0	
23		15/09/2013	02:35:21	43.9	42.0	40.3	38.0	36.8	35.2	48.2	48.2	40.1	
24		15/09/2013	02:35:22	44.0	41.3	39.7	37.6	36.8	35.4	47.8	47.8	40.2	
25		15/09/2013	02:35:23	42.6	41.1	38.4	38.0	36.5	35.2	47.8	47.8	39.8	
26		15/09/2013	02:35:24	43.4	41.3	38.8	38.1	36.8	35.2	48.6	48.6	39.8	
27		15/09/2013	02:35:25	48.6	41.5	38.2	39.9	37.1	34.8	50.6	50.6	40.4	
28		15/09/2013	02:35:26	49.2	41.1	38.0	37.8	36.7	35.4	49.9	49.9	39.9	
29		15/09/2013	02:35:27	45.9	39.9	38.5	37.8	36.8	36.2	47.3	47.3	40.7	
30		15/09/2013	02:35:28	40.1	42.4	38.9	38.6	37.1	35.3	46.9	46.9	40.1	
31		15/09/2013	02:35:29	40.3	42.3	39.7	37.9	37.6	35.6	47.7	47.7	40.3	
32		15/09/2013	02:35:30	44.6	40.8	39.0	38.3	37.1	35.4	49.5	49.5	41.0	
33		15/09/2013	02:35:31	48.7	40.0	39.9	39.2	36.9	36.0	51.6	51.6	47.7	
34		15/09/2013	02:35:32	50.7	41.8	39.4	38.2	37.0	35.6	51.8	51.8	40.3	
35		15/09/2013	02:35:33	50.3	42.2	39.7	38.8	37.2	35.1	51.9	51.9	40.2	
36		15/09/2013	02:35:34	47.8	42.0	38.5	39.4	36.7	35.0	48.5	48.5	39.7	
37		15/09/2013	02:35:35	43.2	42.1	39.2	39.0	36.9	35.5	46.9	46.9	40.1	
38		15/09/2013	02:35:36	43.0	41.9	38.2	38.0	37.2	34.6	48.3	48.3	40.1	
39		15/09/2013	02:35:37	48.1	40.1	38.8	39.0	36.2	34.9	50.9	50.9	40.3	
40		15/09/2013	02:35:38	50.7	42.1	39.5	38.4	36.6	34.9	52.6	52.6	44.6	
41		15/09/2013	02:35:39	51.9	42.2	38.8	37.9	36.6	35.5	54.0	54.0	47.9	
42		15/09/2013	02:35:40	48.9	40.8	38.9	39.1	37.4	35.2	51.2	51.2	40.5	
43		15/09/2013	02:35:41	46.8	41.1	38.9	39.1	38.0	37.7	48.2	48.2	42.0	
44		15/09/2013	02:35:42	40.0	43.0	39.5	38.4	36.4	35.4	47.0	47.0	40.0	
45		15/09/2013	02:35:43	45.2	42.5	39.1	39.6	37.4	38.4	50.5	50.5	41.9	
46		15/09/2013	02:35:44	49.2	40.3	38.6	38.5	36.8	36.4	51.5	51.5	40.9	
47		15/09/2013	02:35:45	51.4	42.4	39.5	38.2	36.5	35.1	52.3	52.3	39.8	
48		15/09/2013	02:35:46	50.7	41.6	40.4	38.4	36.0	35.7	52.0	52.0	40.1	
49		15/09/2013	02:35:47	49.0	40.9	38.9	39.0	35.8	34.8	49.8	49.8	39.9	
50		15/09/2013	02:35:48	41.6	43.2	39.0	38.1	37.2	35.0	46.7	46.7	39.9	
51		15/09/2013	02:35:49	44.1	41.9	39.6	39.7	36.5	34.9	49.2	49.2	40.1	
52		15/09/2013	02:35:50	46.9	40.3	39.5	37.5	36.6	35.5	51.9	51.9	40.1	
53		15/09/2013	02:35:51	50.2	41.6	40.3	38.5	36.4	35.3	51.7	51.7	40.4	
54		15/09/2013	02:35:52	50.2	42.4	38.4	38.6	36.6	35.7	50.7	50.7	40.2	
55		15/09/2013	02:35:53	46.3	42.6	39.4	39.0	37.0	35.9	49.5	49.5	40.4	
56		15/09/2013	02:35:54	42.8	41.5	38.4	37.7	37.1	36.6	47.0	47.0	40.9	

57		15/09/2013	02:35:55	41.6	42.1	40.4	39.7	36.4	39.3	49.7	49.7	43.9
58		15/09/2013	02:35:56	47.9	40.9	40.6	38.2	37.2	37.3	51.6	51.6	43.9
59		15/09/2013	02:35:57	50.2	41.9	38.4	38.6	36.3	39.3	51.3	51.3	43.7
60		15/09/2013	02:35:58	47.5	43.7	39.6	38.5	37.0	36.0	49.7	49.7	40.5
61		15/09/2013	02:35:59	45.8	41.4	38.4	38.8	36.0	40.7	49.5	49.5	43.3
62		15/09/2013	02:36:00	44.3	41.9	40.2	38.6	37.1	35.5	48.0	48.0	40.6
63		15/09/2013	02:36:01	41.8	41.6	40.6	39.6	37.3	39.7	48.4	48.4	42.8
64		15/09/2013	02:36:02	44.7	42.2	38.3	38.8	37.2	35.6	48.9	48.9	40.5
65		15/09/2013	02:36:03	47.2	40.9	38.3	38.7	36.6	39.5	50.5	50.5	42.8
66		15/09/2013	02:36:04	47.6	42.8	39.3	39.1	37.5	35.9	49.4	49.4	40.9
67		15/09/2013	02:36:05	43.9	41.5	38.4	38.3	37.1	39.2	48.3	48.3	42.6
68		15/09/2013	02:36:06	42.2	41.0	40.4	38.1	37.2	36.6	48.0	48.0	41.0
69		15/09/2013	02:36:07	45.7	46.0	40.4	39.4	38.2	41.0	50.4	50.4	44.1
70		15/09/2013	02:36:08	46.9	43.0	39.9	39.3	38.8	37.4	48.5	48.5	42.1
71		15/09/2013	02:36:09	42.8	45.2	39.6	39.6	38.2	43.6	49.9	49.9	46.0
72		15/09/2013	02:36:10	43.7	44.6	40.7	39.4	38.8	38.4	49.9	49.9	43.4
73		15/09/2013	02:36:11	45.8	44.5	39.7	38.4	38.3	44.9	51.6	51.6	50.3
74		15/09/2013	02:36:12	45.3	43.0	41.0	40.3	38.6	39.7	49.8	49.8	43.4
75		15/09/2013	02:36:13	45.5	43.4	41.6	39.3	36.9	43.2	51.1	51.1	45.8
76		15/09/2013	02:36:14	46.9	43.8	40.4	39.1	38.2	40.8	50.4	50.4	44.1
77		15/09/2013	02:36:15	44.4	44.3	40.8	39.2	38.2	42.4	49.7	49.7	45.4
78		15/09/2013	02:36:16	42.5	44.1	41.3	39.7	39.4	40.9	49.4	49.4	44.6
79		15/09/2013	02:36:17	46.9	43.2	40.6	40.2	38.6	37.8	51.7	51.7	42.4
80		15/09/2013	02:36:18	50.0	44.0	40.5	39.4	39.1	38.0	52.6	52.6	42.7
81		15/09/2013	02:36:19	50.3	42.9	40.8	40.4	38.2	36.8	52.1	52.1	42.1
82		15/09/2013	02:36:20	49.5	44.6	41.9	40.1	38.2	37.9	52.6	52.6	42.6
83		15/09/2013	02:36:21	47.2	44.1	40.7	40.5	38.6	39.0	51.5	51.5	47.7
84		15/09/2013	02:36:22	45.1	45.8	40.5	40.3	38.5	37.4	50.3	50.3	47.5
85		15/09/2013	02:36:23	40.4	43.4	40.7	38.3	38.6	37.5	49.8	49.8	42.4
86		15/09/2013	02:36:24	48.3	45.5	42.0	39.8	38.8	36.7	52.8	52.8	42.4
87		15/09/2013	02:36:25	50.3	44.5	41.0	39.4	38.3	36.2	53.6	53.6	41.7
88		15/09/2013	02:36:26	52.2	44.1	41.0	38.8	37.7	36.1	53.0	53.0	41.7
89		15/09/2013	02:36:27	49.5	43.1	42.3	39.5	38.5	36.1	51.9	51.9	41.7
90		15/09/2013	02:36:28	48.9	43.9	42.2	39.0	38.3	36.0	49.6	49.6	41.4
91		15/09/2013	02:36:29	43.2	43.5	42.2	39.3	38.1	36.6	49.3	49.3	42.0
92		15/09/2013	02:36:30	40.1	44.9	41.3	40.0	38.5	36.4	48.8	48.8	41.8
93		15/09/2013	02:36:31	46.6	43.7	40.7	38.2	38.4	36.9	51.2	51.2	41.8
94		15/09/2013	02:36:32	50.3	44.9	40.3	38.6	38.5	36.9	53.5	53.5	41.8
95		15/09/2013	02:36:33	53.1	43.5	39.7	38.1	37.3	36.1	54.0	54.0	41.9
96		15/09/2013	02:36:34	51.4	41.6	39.6	38.0	37.3	36.3	54.2	54.2	48.9
97		15/09/2013	02:36:35	50.1	42.9	40.2	37.4	36.8	36.1	51.8	51.8	40.6
98		15/09/2013	02:36:36	48.8	43.0	39.5	38.0	36.4	36.6	50.4	50.4	40.7
99		15/09/2013	02:36:37	45.6	41.4	40.7	38.0	36.9	34.9	48.9	48.9	40.1
100		15/09/2013	02:36:38	40.5	42.4	38.9	38.3	37.2	34.9	47.9	47.9	40.0
101		15/09/2013	02:36:39	45.0	41.4	39.8	37.6	36.9	34.7	49.8	49.8	40.2
102		15/09/2013	02:36:40	48.8	42.8	40.0	38.7	37.6	34.9	52.3	52.3	40.7
103		15/09/2013	02:36:41	49.9	42.2	38.6	38.6	36.7	35.1	51.8	51.8	40.0
104		15/09/2013	02:36:42	48.8	39.8	38.4	39.0	37.1	35.1	51.7	51.7	40.2
105		15/09/2013	02:36:43	50.2	41.9	39.7	38.1	37.5	35.2	49.8	49.8	40.4
106		15/09/2013	02:36:44	47.2	41.2	39.8	38.7	37.3	35.4	49.6	49.6	40.1
107		15/09/2013	02:36:45	46.3	41.1	39.0	39.3	37.6	35.1	48.8	48.8	40.6
108		15/09/2013	02:36:46	40.5	41.7	39.5	37.8	37.2	34.9	47.0	47.0	40.2
109		15/09/2013	02:36:47	40.0	42.1	39.3	38.1	37.4	36.6	48.0	48.0	41.2
110		15/09/2013	02:36:48	44.2	40.6	39.1	38.8	37.1	36.5	49.2	49.2	40.8
111		15/09/2013	02:36:49	47.6	40.7	39.3	38.1	37.5	35.9	51.2	51.2	40.5
112		15/09/2013	02:36:50	47.7	41.1	40.2	39.7	36.6	35.7	50.9	50.9	40.5
113		15/09/2013	02:36:51	48.3	40.9	39.2	38.5	36.9	36.1	51.5	51.5	40.8
114		15/09/2013	02:36:52	49.8	42.1	40.2	38.1	36.6	35.2	50.7	50.7	40.3
115		15/09/2013	02:36:53	48.6	41.8	38.7	38.0	36.9	35.5	51.7	51.7	40.2
116		15/09/2013	02:36:54	47.0	42.6	39.8	38.5	36.4	36.8	50.0	50.0	40.8
117		15/09/2013	02:36:55	45.8	41.1	40.4	38.7	36.6	35.8	48.8	48.8	40.7

118		15/09/2013	02:36:56	41.2	42.1	39.2	38.6	36.7	35.5	46.3	46.3	39.9	
119		15/09/2013	02:36:57	40.9	43.2	39.8	38.1	36.5	35.5	48.3	48.3	40.3	
120		15/09/2013	02:36:58	40.9	43.7	40.0	39.0	36.6	36.5	47.8	47.8	40.3	
121		15/09/2013	02:36:59	42.0	41.8	38.9	37.9	36.7	36.3	48.5	48.5	40.2	
122		15/09/2013	02:37:00	45.2	42.1	39.7	37.8	37.0	37.8	48.3	48.3	41.3	
123		15/09/2013	02:37:01	46.9	42.1	38.6	37.9	36.2	37.4	49.6	49.6	41.1	
124		15/09/2013	02:37:02	47.5	43.5	39.4	38.1	37.0	37.0	50.5	50.5	41.1	
125		15/09/2013	02:37:03	48.9	40.9	39.8	39.1	36.7	37.3	52.4	52.4	41.5	
126		15/09/2013	02:37:04	49.1	41.5	39.7	38.9	37.3	36.3	52.0	52.0	40.6	
127		15/09/2013	02:37:05	48.2	42.6	38.6	38.5	37.9	37.5	50.1	50.1	41.3	
128		15/09/2013	02:37:06	46.4	40.1	38.1	38.1	37.1	35.5	48.6	48.6	40.4	
129		15/09/2013	02:37:07	44.3	41.9	39.6	37.8	37.9	36.5	49.2	49.2	41.1	
130		15/09/2013	02:37:08	42.2	40.3	41.9	39.4	36.8	36.1	47.7	47.7	40.9	
131		15/09/2013	02:37:09	42.7	42.0	39.4	39.7	36.2	34.4	47.7	47.7	39.7	
132		15/09/2013	02:37:10	43.1	41.6	38.6	39.8	35.9	40.5	51.2	51.2	42.9	
133	Pause	15/09/2013	02:37:11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
134		15/09/2013	02:37:10	43.1	41.6	38.6	39.8	35.9	40.5	51.2	51.2	42.9	Excluded (stop)
135	Stop	15/09/2013	02:37:15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
			Average:	46.3	42.2	39.6	38.9	37.2	36.4	50.0	50.0	41.5	

Appendix 3 – PA System Source L10 Raw Data – Bar – Before 10pm

Record #	Record Type	Date	Time	63.0	125	250	500	1000	2000	dB(lin)	dBc	dBA	Notes:
1	Run	14/09/2013	20:31:41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (start)
2		14/09/2013	20:31:41	102.8	104.0	93.1	93.3	94.3	91.2	106.5	106.5	99.0	
3		14/09/2013	20:31:42	103.6	101.6	93.0	91.9	92.9	91.2	105.4	105.4	98.2	
4		14/09/2013	20:31:43	102.1	99.5	92.3	98.5	95.8	88.9	106.4	106.4	100.2	
5		14/09/2013	20:31:44	100.8	99.9	93.2	94.4	93.7	89.0	106.5	106.5	98.0	
6		14/09/2013	20:31:45	104.2	98.1	94.5	92.8	90.3	88.8	105.2	105.2	96.6	
7		14/09/2013	20:31:46	101.1	102.6	93.3	96.0	95.2	91.3	108.4	108.4	100.2	
8		14/09/2013	20:31:47	99.9	99.4	93.8	94.8	93.5	92.3	104.3	104.3	98.7	
9		14/09/2013	20:31:48	100.4	104.9	95.2	89.6	91.2	88.7	105.3	105.3	96.2	
10		14/09/2013	20:31:49	95.1	97.1	97.4	93.1	93.3	89.9	102.2	102.2	98.4	
11		14/09/2013	20:31:50	98.0	101.4	95.0	91.8	92.4	86.9	105.0	105.0	96.7	
12		14/09/2013	20:31:51	96.6	106.1	94.6	95.9	92.5	90.0	105.7	105.7	99.5	
13		14/09/2013	20:31:52	94.0	102.5	92.4	96.6	93.7	89.9	108.1	108.1	99.5	
14		14/09/2013	20:31:53	99.9	97.1	93.6	96.0	94.9	89.7	103.4	103.4	99.1	
15		14/09/2013	20:31:54	105.4	99.5	93.0	92.9	96.5	93.4	103.8	103.8	99.9	
16		14/09/2013	20:31:55	102.6	100.6	92.7	91.4	98.2	91.8	106.2	106.2	100.5	
17		14/09/2013	20:31:56	102.7	103.7	92.7	94.8	92.8	89.7	106.6	106.6	98.5	
18		14/09/2013	20:31:57	97.4	104.2	93.3	96.4	94.1	90.7	104.6	104.6	99.5	
19		14/09/2013	20:31:58	97.2	100.2	94.0	94.7	93.9	91.4	105.5	105.5	99.2	
20		14/09/2013	20:31:59	102.2	98.7	94.8	92.1	96.0	92.0	107.4	107.4	99.9	
21		14/09/2013	20:32:00	104.0	104.4	93.3	90.4	97.3	90.4	107.0	107.0	99.7	
22		14/09/2013	20:32:01	104.1	102.5	93.1	92.7	96.0	91.6	106.7	106.7	99.8	
23		14/09/2013	20:32:02	106.0	99.7	95.1	94.8	91.7	92.8	106.4	106.4	99.1	
24		14/09/2013	20:32:03	102.1	103.5	91.6	91.3	88.8	92.1	106.0	106.0	97.8	
25		14/09/2013	20:32:04	102.4	97.6	93.2	91.1	92.9	92.1	103.4	103.4	98.4	
26		14/09/2013	20:32:05	100.3	100.0	90.4	92.8	92.9	90.3	104.2	104.2	97.8	
27		14/09/2013	20:32:06	104.0	98.7	89.0	91.1	90.9	89.8	105.3	105.3	96.6	
28		14/09/2013	20:32:07	103.5	101.5	91.4	90.9	93.9	89.1	104.5	104.5	97.4	
29		14/09/2013	20:32:08	103.1	100.4	89.1	89.7	89.1	89.3	106.3	106.3	96.4	
30		14/09/2013	20:32:09	102.9	96.8	89.6	96.6	92.1	90.8	105.2	105.2	98.8	
31		14/09/2013	20:32:10	100.1	101.8	90.3	91.0	92.2	90.3	105.4	105.4	97.5	
32		14/09/2013	20:32:11	102.6	97.4	88.7	91.2	94.0	92.1	105.1	105.1	98.5	
33		14/09/2013	20:32:12	102.2	102.8	92.0	93.6	88.2	91.0	104.3	104.3	97.2	
34		14/09/2013	20:32:13	104.1	100.7	90.3	93.6	87.8	92.0	105.5	105.5	97.5	
35		14/09/2013	20:32:14	103.3	100.3	87.0	85.0	92.1	90.6	104.7	104.7	96.7	
36		14/09/2013	20:32:15	101.0	99.7	89.1	89.0	87.5	90.7	106.5	106.5	96.1	
37		14/09/2013	20:32:16	102.6	97.0	89.9	86.8	102.0	90.2	106.1	106.1	102.1	
38		14/09/2013	20:32:17	100.9	97.8	89.2	88.0	90.9	88.5	106.5	106.5	96.5	
39		14/09/2013	20:32:18	102.2	97.1	89.3	91.7	91.8	93.2	104.8	104.8	98.2	
40		14/09/2013	20:32:19	103.7	102.0	92.0	90.2	91.9	90.7	105.0	105.0	96.9	
41		14/09/2013	20:32:20	104.4	101.6	94.0	91.2	93.1	92.0	105.4	105.4	98.0	
42		14/09/2013	20:32:21	103.2	98.8	91.5	90.4	91.6	92.0	106.6	106.6	98.0	
43		14/09/2013	20:32:22	101.8	102.8	93.4	87.0	90.6	93.0	102.9	102.9	97.7	
44		14/09/2013	20:32:23	92.2	101.4	92.0	90.4	90.0	91.6	104.8	104.8	98.0	
45		14/09/2013	20:32:24	100.4	98.4	92.4	90.4	91.9	92.0	103.7	103.7	97.7	
46		14/09/2013	20:32:25	104.4	98.2	91.7	88.6	90.9	91.3	103.1	103.1	96.7	
47		14/09/2013	20:32:26	103.2	99.2	95.5	89.2	91.3	91.7	106.7	106.7	98.0	
48		14/09/2013	20:32:27	101.7	100.1	92.8	89.4	90.4	89.1	102.3	102.3	95.4	
49		14/09/2013	20:32:28	101.9	96.1	87.0	82.2	87.1	86.8	106.1	106.1	92.7	
50		14/09/2013	20:32:29	89.7	99.9	90.8	89.2	93.8	92.1	105.6	105.6	98.5	
51		14/09/2013	20:32:30	102.7	95.4	92.3	99.0	96.0	89.1	106.3	106.3	100.5	
52		14/09/2013	20:32:31	102.6	100.4	91.2	96.7	92.8	87.6	106.3	106.3	98.4	
53		14/09/2013	20:32:32	104.4	100.9	94.9	91.9	90.0	92.5	105.7	105.7	98.4	
54		14/09/2013	20:32:33	103.4	101.3	92.3	91.6	94.8	89.7	107.6	107.6	99.0	
55		14/09/2013	20:32:34	102.0	100.4	93.4	92.7	88.7	87.6	105.5	105.5	96.3	
56		14/09/2013	20:32:35	104.4	96.0	93.6	90.1	92.0	88.4	105.4	105.4	96.5	
57		14/09/2013	20:32:36	99.8	100.5	92.6	88.9	91.9	89.6	104.8	104.8	96.6	
58		14/09/2013	20:32:37	102.4	99.2	90.6	91.2	92.7	89.7	105.2	105.2	97.1	
59		14/09/2013	20:32:38	102.6	101.0	92.3	92.3	93.0	88.7	104.8	104.8	98.0	
60		14/09/2013	20:32:39	97.6	101.0	96.0	95.0	96.8	90.0	103.6	103.6	100.4	

61		14/09/2013	20:32:40	90.9	98.1	93.9	91.5	98.9	90.2	104.9	104.9	99.8	
62		14/09/2013	20:32:41	98.1	101.3	93.5	90.9	90.8	90.9	102.7	102.7	96.9	
63		14/09/2013	20:32:42	92.9	92.5	94.4	92.9	96.7	91.6	101.3	101.3	99.3	
64		14/09/2013	20:32:43	101.5	102.0	95.7	92.2	94.3	87.9	106.5	106.5	98.2	
65		14/09/2013	20:32:44	102.9	100.9	94.2	91.1	89.7	87.4	103.5	103.5	95.5	
66		14/09/2013	20:32:45	101.9	104.0	90.9	93.8	93.7	90.5	105.4	105.4	98.1	
67		14/09/2013	20:32:46	103.2	101.1	93.2	91.1	91.3	88.7	106.5	106.5	96.9	
68		14/09/2013	20:32:47	104.0	98.6	92.7	92.3	89.5	87.7	106.1	106.1	96.1	
69		14/09/2013	20:32:48	100.9	101.8	93.2	89.7	97.1	92.4	105.2	105.2	99.8	
70		14/09/2013	20:32:49	99.7	104.0	95.0	94.3	92.2	88.6	105.3	105.3	97.5	
71		14/09/2013	20:32:50	98.1	102.8	93.7	88.8	92.2	88.8	103.5	103.5	96.3	
72		14/09/2013	20:32:51	97.3	98.3	94.3	91.4	96.2	88.5	103.1	103.1	98.4	
73		14/09/2013	20:32:52	93.8	100.1	93.1	94.9	94.4	87.1	104.2	104.2	98.5	
74		14/09/2013	20:32:53	100.4	103.6	93.3	99.5	91.9	88.0	106.0	106.0	99.9	
75		14/09/2013	20:32:54	95.7	103.6	94.3	95.3	93.7	89.1	104.3	104.3	98.2	
76		14/09/2013	20:32:55	97.7	98.2	93.5	95.5	96.5	90.5	105.6	105.6	99.7	
77		14/09/2013	20:32:56	104.1	99.9	94.0	91.4	94.1	94.3	105.4	105.4	99.8	
78		14/09/2013	20:32:57	103.5	101.8	93.0	91.4	92.3	92.4	104.4	104.4	98.4	
79		14/09/2013	20:32:58	98.5	103.5	94.4	96.0	95.1	90.7	106.2	106.2	100.1	
80		14/09/2013	20:32:59	97.5	99.2	91.7	100.0	95.7	91.1	105.2	105.2	101.7	
81		14/09/2013	20:33:00	99.5	103.7	91.9	97.9	93.3	93.2	106.5	106.5	100.4	
82		14/09/2013	20:33:01	100.6	98.1	95.1	92.6	98.2	94.7	105.5	105.5	101.5	
83		14/09/2013	20:33:02	102.2	101.3	92.4	90.9	92.7	92.8	105.5	105.5	99.0	
84		14/09/2013	20:33:03	96.0	98.9	96.1	95.7	94.8	89.8	104.2	104.2	99.5	
85		14/09/2013	20:33:04	98.5	99.4	90.9	96.7	98.7	90.8	105.2	105.2	101.0	
86		14/09/2013	20:33:05	100.4	100.8	90.0	99.9	94.9	92.3	107.1	107.1	101.2	
87		14/09/2013	20:33:06	105.6	99.1	92.3	90.6	92.0	94.6	105.2	105.2	99.0	
88		14/09/2013	20:33:07	102.9	104.5	93.0	94.6	94.5	93.4	108.2	108.2	99.9	
89		14/09/2013	20:33:08	102.3	97.2	93.2	93.6	94.0	90.5	106.1	106.1	98.4	
90		14/09/2013	20:33:09	101.8	97.9	95.6	93.8	98.6	92.1	106.0	106.0	100.7	
91		14/09/2013	20:33:10	105.8	101.0	88.9	92.7	92.5	91.6	107.3	107.3	98.3	
92		14/09/2013	20:33:11	100.1	100.1	90.7	91.4	92.4	89.9	106.4	106.4	97.0	
93		14/09/2013	20:33:12	101.4	101.9	89.8	89.7	90.8	90.4	107.9	107.9	96.7	
94		14/09/2013	20:33:13	104.0	97.8	90.4	89.0	95.3	89.3	104.2	104.2	98.1	
95		14/09/2013	20:33:14	103.0	100.4	89.4	88.7	93.6	88.7	104.9	104.9	97.6	
96		14/09/2013	20:33:15	104.0	99.0	90.9	90.3	92.3	88.8	104.9	104.9	96.7	
97		14/09/2013	20:33:16	102.4	101.1	91.8	87.9	94.2	90.3	104.7	104.7	98.1	
98		14/09/2013	20:33:17	102.6	100.0	88.6	88.7	92.2	91.3	106.1	106.1	97.4	
99		14/09/2013	20:33:18	102.5	98.9	90.0	91.0	92.2	89.6	105.2	105.2	96.8	
100		14/09/2013	20:33:19	99.9	103.3	90.0	87.9	92.5	85.8	105.6	105.6	97.3	
101		14/09/2013	20:33:20	103.6	98.7	89.8	92.5	96.4	90.4	105.1	105.1	98.6	
102		14/09/2013	20:33:21	102.7	102.9	88.9	87.8	94.0	90.7	105.1	105.1	97.6	
103		14/09/2013	20:33:22	104.7	100.7	90.8	90.1	91.9	93.1	105.3	105.3	97.8	
104		14/09/2013	20:33:23	102.6	99.7	88.6	88.0	91.9	89.8	105.0	105.0	96.9	
105		14/09/2013	20:33:24	100.6	98.9	90.2	85.0	96.2	92.1	106.9	106.9	98.5	
106		14/09/2013	20:33:25	103.5	96.3	91.0	89.1	92.1	91.8	104.6	104.6	97.3	
107		14/09/2013	20:33:26	101.8	99.4	90.6	91.0	90.0	90.4	106.6	106.6	97.1	
108		14/09/2013	20:33:27	102.8	96.6	91.9	93.1	91.5	90.4	105.1	105.1	97.4	
109		14/09/2013	20:33:28	101.6	99.3	89.3	87.0	92.1	96.0	104.8	104.8	99.1	
110		14/09/2013	20:33:29	104.2	101.4	89.5	92.0	94.5	91.3	105.6	105.6	98.3	
111		14/09/2013	20:33:30	103.6	97.8	88.7	94.8	89.3	90.5	105.8	105.8	97.7	
112		14/09/2013	20:33:31	102.8	98.8	88.7	93.4	94.5	90.3	105.8	105.8	98.2	
113		14/09/2013	20:33:32	101.4	97.5	90.0	87.5	90.6	92.8	103.5	103.5	97.1	
114		14/09/2013	20:33:33	101.2	101.6	89.5	88.6	88.9	92.7	105.6	105.6	97.6	
115		14/09/2013	20:33:34	104.0	99.0	87.2	89.8	95.0	88.5	105.8	105.8	98.1	
116		14/09/2013	20:33:35	102.9	100.8	90.8	90.9	94.5	90.0	104.9	104.9	97.9	
117		14/09/2013	20:33:36	103.2	101.0	89.6	86.0	90.4	86.9	104.6	104.6	96.4	
118		14/09/2013	20:33:37	101.2	98.2	89.2	87.7	93.1	89.6	106.7	106.7	97.1	
119		14/09/2013	20:33:38	99.6	103.1	90.4	84.4	91.0	86.8	104.7	104.7	95.9	
120		14/09/2013	20:33:39	102.5	97.4	89.8	89.1	93.4	91.4	104.6	104.6	97.7	
121		14/09/2013	20:33:40	102.6	99.3	88.5	90.6	92.5	90.4	104.9	104.9	97.5	
122		14/09/2013	20:33:41	104.1	99.1	89.3	91.2	93.0	89.5	104.4	104.4	96.8	
123		14/09/2013	20:33:42	102.0	102.0	88.8	90.7	91.4	89.7	105.2	105.2	97.0	
124		14/09/2013	20:33:43	104.6	99.8	90.2	86.1	90.9	88.9	105.9	105.9	96.3	
125		14/09/2013	20:33:44	103.1	98.2	89.1	87.0	93.0	91.4	106.1	106.1	97.6	

126		14/09/2013	20:33:45	102.3	104.1	90.3	94.4	93.7	89.8	105.7	105.7	98.0	
127	Pause	14/09/2013	20:33:45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
128		14/09/2013	20:33:45	102.3	104.1	90.3	94.4	93.7	89.8	105.7	105.7	98.0	Excluded (stop)
129	Stop	14/09/2013	20:33:46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
		Average:		101.4	100.2	91.8	91.7	93.0	90.5	105.3	105.3	98.1	

Appendix 4 - Intrusive levels Raw Data – From Bar – Before 10pm

Record #	Record Type	Date	Time	63.0	125	250	500	1000	2000	dB(lin)	dBc	dBa	Notes:
1	Run	14/09/2013	20:38:16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (start)
2		14/09/2013	20:38:17	57.4	54.2	46.1	43.9	41.2	37.5	63.4	63.4	50.3	
3		14/09/2013	20:38:18	59.1	53.2	50.8	45.7	40.4	39.2	64.4	64.4	49.9	
4		14/09/2013	20:38:19	64.5	52.7	48.7	45.9	43.1	40.0	59.8	59.8	48.1	
5		14/09/2013	20:38:20	58.3	53.7	47.5	46.1	43.1	38.6	61.0	61.0	48.6	
6		14/09/2013	20:38:21	66.1	55.7	46.8	42.6	41.0	38.1	65.7	65.7	47.7	
7		14/09/2013	20:38:22	61.7	51.1	46.5	45.4	41.1	37.8	60.3	60.3	46.6	
8		14/09/2013	20:38:23	62.2	52.0	44.9	44.9	40.6	37.7	64.4	64.4	46.9	
9		14/09/2013	20:38:24	58.0	52.6	46.5	43.9	40.5	36.7	61.6	61.6	46.1	
10		14/09/2013	20:38:25	60.9	54.7	46.7	48.5	41.9	37.4	60.7	60.7	47.8	
11		14/09/2013	20:38:26	56.9	51.1	46.6	48.8	41.6	40.1	61.6	61.6	51.1	
12		14/09/2013	20:38:27	61.1	56.5	47.6	45.8	42.0	38.7	60.0	60.0	48.6	
13		14/09/2013	20:38:28	59.3	58.1	47.0	47.5	45.4	41.5	64.8	64.8	49.9	
14		14/09/2013	20:38:29	60.5	56.7	45.1	44.7	42.8	40.4	65.9	65.9	48.2	
15		14/09/2013	20:38:30	59.9	55.0	45.2	43.0	46.4	39.9	63.4	63.4	49.7	
16		14/09/2013	20:38:31	59.4	51.6	45.4	43.9	39.8	38.2	60.0	60.0	45.9	
17		14/09/2013	20:38:32	58.3	49.5	45.2	42.4	39.8	36.5	60.4	60.4	45.6	
18		14/09/2013	20:38:33	62.3	55.1	44.5	43.4	40.4	37.9	59.7	59.7	46.7	
19		14/09/2013	20:38:34	57.8	56.0	44.0	42.8	39.4	37.0	62.9	62.9	46.2	
20		14/09/2013	20:38:35	58.8	53.5	45.8	43.6	41.4	37.8	62.8	62.8	46.6	
21		14/09/2013	20:38:36	62.6	51.8	45.8	47.0	44.7	41.2	62.4	62.4	49.3	
22		14/09/2013	20:38:37	62.4	53.5	45.4	45.8	39.4	38.5	63.2	63.2	46.8	
23		14/09/2013	20:38:38	64.2	52.1	43.5	44.6	39.2	37.7	62.2	62.2	46.0	
24		14/09/2013	20:38:39	59.5	53.8	45.7	45.0	42.3	39.9	61.7	61.7	47.9	
25		14/09/2013	20:38:40	62.5	53.6	42.1	41.8	39.1	38.4	61.4	61.4	47.7	
26		14/09/2013	20:38:41	59.8	51.3	42.9	42.9	38.5	37.4	64.8	64.8	46.6	
27		14/09/2013	20:38:42	60.0	52.7	43.9	41.4	39.2	37.5	64.4	64.4	45.7	
28		14/09/2013	20:38:43	62.8	52.7	44.6	42.2	42.9	38.8	62.2	62.2	46.7	
29		14/09/2013	20:38:44	61.1	52.9	47.3	45.9	40.9	38.0	64.1	64.1	47.2	
30		14/09/2013	20:38:45	62.3	54.1	45.5	44.9	42.7	37.1	62.1	62.1	47.0	
31		14/09/2013	20:38:46	63.6	51.4	44.8	42.2	40.0	36.5	59.9	59.9	45.1	
32		14/09/2013	20:38:47	62.2	53.5	45.1	47.5	41.4	38.7	63.4	63.4	48.4	
33		14/09/2013	20:38:48	61.6	51.2	43.7	43.3	39.0	37.5	62.7	62.7	46.7	
34		14/09/2013	20:38:49	59.8	51.9	45.0	43.0	39.9	36.5	64.0	64.0	46.3	
35		14/09/2013	20:38:50	60.6	53.2	43.7	41.8	39.2	37.0	62.5	62.5	45.7	
36		14/09/2013	20:38:51	62.9	49.8	45.4	45.9	48.0	40.4	61.6	61.6	50.3	
37		14/09/2013	20:38:52	62.9	53.4	44.1	48.2	46.4	41.8	62.2	62.2	50.5	
38		14/09/2013	20:38:53	62.5	53.6	43.0	49.5	41.0	39.2	60.9	60.9	48.5	
39		14/09/2013	20:38:54	62.6	52.9	43.5	47.2	40.1	38.1	63.7	63.7	47.5	
40		14/09/2013	20:38:55	63.7	51.6	44.2	45.7	39.6	37.7	62.0	62.0	46.1	
41		14/09/2013	20:38:56	59.3	53.4	46.4	44.8	40.4	37.7	63.4	63.4	47.0	
42		14/09/2013	20:38:57	60.2	49.5	44.2	41.8	39.1	36.5	58.9	58.9	45.2	
43		14/09/2013	20:38:58	61.0	51.4	46.4	49.2	39.0	38.6	60.3	60.3	48.1	
44		14/09/2013	20:38:59	56.8	54.4	42.5	42.8	40.5	36.9	57.6	57.6	45.1	
45		14/09/2013	20:39:00	61.9	58.8	44.5	42.4	39.0	37.7	61.7	61.7	45.3	

46		14/09/2013	20:39:01	60.9	53.2	47.9	47.7	41.1	37.2	62.2	62.2	48.4	
47		14/09/2013	20:39:02	59.7	52.9	47.4	49.0	42.0	39.0	62.9	62.9	49.3	
48		14/09/2013	20:39:03	57.9	57.7	45.9	46.1	41.8	39.3	63.2	63.2	49.9	
49		14/09/2013	20:39:04	56.7	49.8	48.0	44.1	40.2	36.7	58.9	58.9	49.8	
50		14/09/2013	20:39:05	64.1	52.3	47.3	43.0	42.1	37.4	56.5	56.5	46.5	
51		14/09/2013	20:39:06	59.7	50.3	47.9	42.8	42.1	37.3	55.8	55.8	46.1	
52	Pause	14/09/2013	20:39:06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (traffic)
53	Resume	14/09/2013	20:41:36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (traffic)
54		14/09/2013	20:41:36	58.1	56.2	47.1	43.5	41.2	36.9	61.8	61.8	45.8	
55		14/09/2013	20:41:37	59.3	55.4	45.7	42.2	40.2	36.0	62.0	62.0	46.2	
56		14/09/2013	20:41:38	60.7	60.0	46.6	46.9	44.1	37.1	62.6	62.6	48.4	
57		14/09/2013	20:41:39	62.5	55.5	48.3	44.6	43.9	37.1	59.0	59.0	47.8	
58		14/09/2013	20:41:40	58.2	56.0	46.8	47.3	43.4	37.3	60.0	60.0	48.8	
59		14/09/2013	20:41:41	59.1	56.4	46.7	46.9	44.2	38.9	61.7	61.7	48.7	
60		14/09/2013	20:41:42	57.0	54.9	45.2	45.9	41.3	36.7	62.3	62.3	47.2	
61		14/09/2013	20:41:43	59.9	55.7	46.1	43.0	40.8	36.4	62.4	62.4	47.0	
62		14/09/2013	20:41:44	58.3	58.6	45.1	43.4	41.2	36.5	61.6	61.6	46.4	
63		14/09/2013	20:41:45	61.5	57.0	46.1	42.0	39.5	36.4	63.1	63.1	46.2	
64		14/09/2013	20:41:46	60.6	55.1	45.4	47.6	41.8	37.0	63.6	63.6	48.3	
65		14/09/2013	20:41:47	59.0	57.5	47.2	45.2	41.3	37.5	64.6	64.6	48.0	
66		14/09/2013	20:41:48	60.3	52.6	47.5	44.9	43.1	38.3	63.1	63.1	47.8	
67		14/09/2013	20:41:49	56.0	54.0	49.7	44.3	42.9	37.6	58.6	58.6	47.5	
68		14/09/2013	20:41:50	60.3	53.2	46.2	44.2	46.7	36.3	61.1	61.1	48.7	
69		14/09/2013	20:41:51	59.3	56.1	48.1	46.7	48.4	38.1	64.2	64.2	50.5	
70		14/09/2013	20:41:52	63.1	56.3	49.9	46.8	43.1	38.0	62.7	62.7	48.6	
71		14/09/2013	20:41:53	58.8	54.4	50.4	43.2	41.9	37.4	60.9	60.9	46.7	
72		14/09/2013	20:41:54	58.9	54.2	50.2	45.3	42.5	38.5	60.9	60.9	47.8	
73		14/09/2013	20:41:55	59.8	56.5	47.4	44.5	43.3	42.7	60.9	60.9	48.7	
74		14/09/2013	20:41:56	60.0	55.6	49.0	43.7	43.0	42.8	61.5	61.5	49.0	
75	Pause	14/09/2013	20:41:57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (traffic)
76	Resume	14/09/2013	20:42:41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (traffic)
77		14/09/2013	20:42:42	62.9	56.7	46.9	44.9	45.7	39.9	62.4	62.4	48.9	
78		14/09/2013	20:42:43	61.1	57.1	48.5	47.1	45.7	39.3	63.9	63.9	49.3	
79		14/09/2013	20:42:44	59.2	60.2	46.3	42.2	41.2	37.8	62.8	62.8	46.8	
80		14/09/2013	20:42:45	61.4	57.2	50.5	45.6	46.6	37.6	64.3	64.3	49.6	
81		14/09/2013	20:42:46	64.3	59.6	49.2	45.0	43.1	38.1	64.9	64.9	48.6	
82		14/09/2013	20:42:47	66.5	54.0	49.1	44.0	41.7	38.2	63.5	63.5	47.4	
83		14/09/2013	20:42:48	62.3	55.0	48.4	43.6	42.7	39.9	62.8	62.8	47.7	
84		14/09/2013	20:42:49	63.0	56.5	49.2	43.0	44.4	41.8	62.6	62.6	49.1	
85		14/09/2013	20:42:50	60.7	57.8	49.1	43.5	43.6	39.9	64.9	64.9	48.4	
86	Pause	14/09/2013	20:42:50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (traffic)
87	Resume	14/09/2013	20:43:51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (traffic)
88		14/09/2013	20:43:51	58.8	58.7	49.1	43.2	41.4	38.5	62.8	62.8	47.5	
89		14/09/2013	20:43:52	62.4	55.7	49.4	45.3	46.9	39.2	61.8	61.8	49.4	
90		14/09/2013	20:43:53	59.2	54.9	53.7	49.4	43.2	39.9	63.6	63.6	49.9	
91		14/09/2013	20:43:54	60.4	56.2	49.9	49.0	43.8	39.4	63.5	63.5	48.9	
92		14/09/2013	20:43:55	56.6	56.1	52.8	47.4	45.6	38.1	60.6	60.6	49.9	

93		14/09/2013	20:43:56	62.3	56.4	49.2	45.2	45.1	38.9	63.5	63.5	48.7	
94		14/09/2013	20:43:57	57.9	56.7	51.3	41.1	39.7	37.3	61.2	61.2	46.3	
95		14/09/2013	20:43:58	51.7	58.3	49.5	44.2	42.0	40.9	60.8	60.8	47.8	
96		14/09/2013	20:43:59	54.0	57.8	49.4	44.0	42.4	38.1	59.6	59.6	47.1	
97		14/09/2013	20:44:00	60.5	56.3	47.5	44.3	42.6	37.3	57.8	57.8	46.9	
98		14/09/2013	20:44:01	57.6	56.0	48.6	47.7	44.1	40.5	63.3	63.3	49.7	
99		14/09/2013	20:44:02	57.2	55.1	47.0	44.3	43.7	39.4	62.1	62.1	48.3	
100		14/09/2013	20:44:03	55.4	54.8	47.0	44.3	42.8	36.7	60.7	60.7	47.3	
101		14/09/2013	20:44:04	60.1	55.4	48.8	48.7	44.1	39.0	59.3	59.3	49.0	
102		14/09/2013	20:44:05	57.6	58.4	45.3	47.0	42.4	39.3	61.2	61.2	48.0	
103		14/09/2013	20:44:06	54.9	55.8	46.2	43.3	39.0	36.8	64.4	64.4	47.3	
104		14/09/2013	20:44:07	62.3	52.6	49.5	47.3	41.9	37.9	63.8	63.8	49.0	
105		14/09/2013	20:44:08	60.6	59.5	49.1	47.9	44.2	42.0	60.7	60.7	49.3	
106		14/09/2013	20:44:09	62.6	58.1	50.2	46.7	41.2	37.8	61.5	61.5	47.6	
107		14/09/2013	20:44:10	62.8	57.9	48.1	46.2	43.2	40.0	63.0	63.0	48.8	
108		14/09/2013	20:44:11	58.4	57.1	47.1	45.1	41.2	41.1	63.7	63.7	48.7	
109		14/09/2013	20:44:12	61.2	53.7	48.5	44.9	40.5	39.7	64.5	64.5	51.9	
110		14/09/2013	20:44:13	58.2	54.1	47.3	48.0	44.4	39.9	62.3	62.3	49.6	
111		14/09/2013	20:44:14	62.4	54.2	46.6	42.5	43.7	35.8	62.3	62.3	46.7	
112		14/09/2013	20:44:15	61.8	56.4	45.2	40.8	38.2	35.0	65.0	65.0	45.0	
113		14/09/2013	20:44:16	60.1	55.7	48.0	41.1	40.1	36.5	63.0	63.0	46.2	
114		14/09/2013	20:44:17	61.4	56.8	46.9	43.6	43.6	39.0	61.2	61.2	49.9	
115		14/09/2013	20:44:18	61.6	53.5	48.2	46.2	41.2	38.4	61.1	61.1	47.6	
116		14/09/2013	20:44:19	62.7	52.2	44.7	41.2	36.9	35.4	63.3	63.3	44.6	
117		14/09/2013	20:44:20	50.6	46.2	41.9	43.2	38.2	37.2	51.7	51.7	43.5	
118		14/09/2013	20:44:21	43.6	47.0	41.9	41.3	37.6	36.1	52.2	52.2	42.9	
119		14/09/2013	20:44:22	46.0	49.7	43.4	44.6	42.6	36.0	53.7	53.7	45.9	
120		14/09/2013	20:44:23	58.8	52.8	45.9	42.1	39.2	36.5	58.5	58.5	44.4	
121		14/09/2013	20:44:24	54.9	50.2	53.2	45.5	43.9	40.1	60.5	60.5	48.6	
122		14/09/2013	20:44:25	59.4	52.4	58.1	49.2	47.5	43.4	66.3	66.3	53.2	
123		14/09/2013	20:44:26	59.7	50.7	52.6	52.4	50.9	45.8	63.1	63.1	54.2	
124		14/09/2013	20:44:27	55.3	54.8	50.5	48.2	49.3	43.4	58.7	58.7	52.3	
125		14/09/2013	20:44:28	53.2	49.6	46.9	44.0	44.9	39.5	56.5	56.5	49.0	
126		14/09/2013	20:44:29	53.6	53.7	52.0	44.0	45.2	41.5	61.6	61.6	49.7	
127		14/09/2013	20:44:30	52.4	51.7	52.4	45.0	44.1	44.2	60.2	60.2	49.9	
128		14/09/2013	20:44:31	49.9	49.9	48.9	44.6	46.3	41.7	56.2	56.2	49.3	
129		14/09/2013	20:44:32	48.8	47.3	50.8	45.0	45.2	38.2	56.3	56.3	48.4	
130		14/09/2013	20:44:33	51.1	47.1	54.2	42.0	42.6	36.5	56.8	56.8	47.3	
131		14/09/2013	20:44:34	47.1	47.0	52.5	42.3	41.2	36.1	54.5	54.5	46.1	
132		14/09/2013	20:44:35	49.2	45.4	45.8	41.6	42.6	40.3	58.0	58.0	47.3	
133		14/09/2013	20:44:36	48.1	50.0	43.1	44.4	43.9	35.8	53.6	53.6	46.6	
134		14/09/2013	20:44:37	50.0	46.7	46.7	46.6	42.1	38.3	53.1	53.1	46.8	
135		14/09/2013	20:44:38	50.6	47.2	45.6	42.6	41.1	36.5	52.1	52.1	45.5	
136		14/09/2013	20:44:39	46.5	48.0	50.0	54.1	53.2	41.1	58.2	58.2	55.0	
137		14/09/2013	20:44:40	44.4	47.4	48.2	53.1	51.4	48.5	56.8	56.8	55.0	
138		14/09/2013	20:44:41	46.6	46.2	44.7	59.1	53.8	47.6	60.7	60.7	58.4	
139	Pause	14/09/2013	20:44:41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
140		14/09/2013	20:44:41	46.6	46.2	44.7	59.1	53.8	47.6	60.7	60.7	58.4	Excluded (stop)
141	Stop	14/09/2013	20:44:49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)

Appendix 5 - PA System Source L10 Raw Data – Bar – After 10pm

Record #	Record Type	Date	Time	63.0	125	250	500	1000	2000	dB(lin)	dBc	dBa	Notes:
1	Run	14/09/2013	22:45:33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (start)
2		14/09/2013	22:45:33	98.1	101.1	95.0	93.7	96.2	91.9	105.2	105.2	99.6	
3		14/09/2013	22:45:34	78.7	78.9	74.8	90.5	86.9	81.0	92.0	92.0	89.8	
4		14/09/2013	22:45:35	82.0	74.1	81.1	94.9	78.8	84.0	95.6	95.6	92.3	
5		14/09/2013	22:45:36	82.5	92.8	86.6	88.4	87.9	89.6	100.3	100.3	94.7	
6		14/09/2013	22:45:37	75.0	94.4	96.8	86.9	89.9	91.3	99.4	99.4	96.4	
7		14/09/2013	22:45:38	73.0	90.7	96.1	90.8	94.5	90.8	101.1	101.1	98.0	
8		14/09/2013	22:45:39	98.9	103.7	94.2	94.5	97.1	91.4	105.2	105.2	100.9	
9		14/09/2013	22:45:40	97.9	101.4	94.9	93.2	96.1	91.4	104.7	104.7	99.1	
10		14/09/2013	22:45:41	95.7	102.3	94.1	92.9	96.5	93.1	105.9	105.9	100.9	
11		14/09/2013	22:45:42	100.8	101.4	94.4	90.6	96.3	93.8	105.0	105.0	100.8	
12		14/09/2013	22:45:43	98.1	98.9	93.5	89.6	91.9	95.6	105.5	105.5	99.9	
13		14/09/2013	22:45:44	99.0	102.3	94.7	92.7	95.8	90.7	105.2	105.2	99.3	
14		14/09/2013	22:45:45	99.7	100.1	94.4	96.5	93.9	92.1	104.5	104.5	99.3	
15		14/09/2013	22:45:46	100.3	103.7	92.5	90.4	99.4	92.3	105.2	105.2	101.1	
16		14/09/2013	22:45:47	100.7	100.6	94.4	95.0	93.6	90.7	103.6	103.6	98.3	
17		14/09/2013	22:45:48	97.0	100.5	96.6	94.8	93.3	94.2	105.1	105.1	100.1	
18		14/09/2013	22:45:49	100.9	100.9	95.1	95.0	94.6	89.7	106.2	106.2	99.0	
19		14/09/2013	22:45:50	98.9	97.2	93.6	94.8	104.5	93.5	107.5	107.5	105.4	
20		14/09/2013	22:45:51	97.2	102.3	94.7	97.2	95.2	92.0	105.5	105.5	100.0	
21		14/09/2013	22:45:52	99.9	98.3	94.6	94.8	100.9	93.4	105.7	105.7	103.0	
22		14/09/2013	22:45:53	101.1	101.7	93.2	96.7	97.2	92.4	104.7	104.7	100.9	
23		14/09/2013	22:45:54	100.2	103.8	93.5	94.6	93.9	90.9	104.3	104.3	99.0	
24		14/09/2013	22:45:55	99.2	99.2	94.3	94.7	95.1	92.7	106.3	106.3	100.1	
25		14/09/2013	22:45:56	100.3	100.5	94.6	100.0	93.0	91.8	105.5	105.5	99.8	
26		14/09/2013	22:45:57	99.9	98.6	96.4	96.6	92.9	89.6	103.9	103.9	98.4	
27		14/09/2013	22:45:58	98.3	99.8	99.1	96.5	94.5	95.0	107.4	107.4	101.8	
28		14/09/2013	22:45:59	96.1	96.5	94.1	101.4	98.7	94.5	104.9	104.9	103.1	
29		14/09/2013	22:46:00	94.7	98.6	96.6	96.1	95.9	91.9	103.4	103.4	100.0	
30		14/09/2013	22:46:01	95.5	98.8	94.1	95.5	98.9	94.2	104.7	104.7	102.1	
31		14/09/2013	22:46:02	87.7	94.6	93.3	95.0	98.3	90.2	105.5	105.5	101.0	
32		14/09/2013	22:46:03	97.1	103.2	97.0	96.1	95.8	90.7	105.8	105.8	100.0	
33		14/09/2013	22:46:04	100.4	100.1	92.8	96.7	95.5	89.2	103.9	103.9	98.9	
34		14/09/2013	22:46:05	96.8	103.3	95.7	94.6	95.8	94.9	106.2	106.2	101.3	
35		14/09/2013	22:46:06	98.9	99.5	96.2	94.4	96.7	95.2	105.9	105.9	101.3	
36		14/09/2013	22:46:07	97.5	102.5	97.9	99.2	98.9	91.2	105.9	105.9	102.1	
37		14/09/2013	22:46:08	97.8	98.5	94.7	94.9	101.5	92.1	105.5	105.5	103.2	
38		14/09/2013	22:46:09	99.2	101.0	92.4	95.0	94.8	91.3	103.8	103.8	99.6	
39		14/09/2013	22:46:10	99.7	99.6	96.5	95.0	98.9	93.1	104.5	104.5	101.6	
40		14/09/2013	22:46:11	98.8	102.8	93.9	95.0	101.2	91.9	106.0	106.0	102.5	
41		14/09/2013	22:46:12	100.5	99.4	93.9	97.6	96.4	90.7	105.1	105.1	99.7	
42		14/09/2013	22:46:13	98.3	94.0	94.1	90.5	92.7	89.3	103.4	103.4	97.2	
43		14/09/2013	22:46:14	96.8	99.6	95.6	95.5	97.6	89.8	105.7	105.7	100.1	
44		14/09/2013	22:46:15	98.3	99.1	91.7	95.6	93.7	91.9	103.8	103.8	98.8	
45		14/09/2013	22:46:16	99.1	99.7	95.6	93.9	100.7	92.2	105.2	105.2	102.4	
46		14/09/2013	22:46:17	94.8	101.0	97.3	95.9	98.8	97.3	104.9	104.9	103.2	

47		14/09/2013	22:46:18	88.0	95.4	94.2	92.1	100.5	93.3	104.4	104.4	101.7	
48		14/09/2013	22:46:19	93.2	97.8	94.2	93.7	97.1	93.6	103.8	103.8	101.1	
49		14/09/2013	22:46:20	91.5	94.7	93.5	94.4	98.0	93.4	102.9	102.9	100.7	
50		14/09/2013	22:46:21	98.0	102.7	92.4	95.9	98.5	89.6	106.0	106.0	100.9	
51		14/09/2013	22:46:22	98.6	98.0	92.0	92.8	91.4	90.0	103.1	103.1	97.1	
52		14/09/2013	22:46:23	100.3	100.9	92.4	97.0	94.7	92.4	105.1	105.1	100.0	
53		14/09/2013	22:46:24	99.7	102.9	91.8	94.9	95.6	90.6	104.7	104.7	99.4	
54		14/09/2013	22:46:25	99.0	97.7	94.0	95.2	92.6	90.5	105.1	105.1	98.0	
55		14/09/2013	22:46:26	97.9	103.2	94.7	92.4	100.7	95.1	107.0	107.0	102.8	
56		14/09/2013	22:46:27	96.9	100.4	96.4	95.0	98.2	91.6	105.9	105.9	100.8	
57		14/09/2013	22:46:28	97.9	102.7	94.1	89.6	94.2	92.1	104.7	104.7	99.1	
58		14/09/2013	22:46:29	87.6	97.0	97.4	92.9	98.8	89.9	103.7	103.7	100.7	
59		14/09/2013	22:46:30	92.6	101.3	94.6	97.9	97.4	89.8	104.7	104.7	101.1	
60		14/09/2013	22:46:31	95.0	100.8	97.4	98.9	97.3	89.8	106.0	106.0	101.1	
61		14/09/2013	22:46:32	89.7	101.2	95.9	97.8	98.5	90.9	104.5	104.5	101.2	
62		14/09/2013	22:46:33	92.9	97.0	94.3	95.1	99.1	93.8	106.2	106.2	101.9	
63		14/09/2013	22:46:34	97.3	99.1	93.7	95.4	97.9	93.5	104.4	104.4	101.1	
64		14/09/2013	22:46:35	99.1	99.2	95.4	90.7	101.2	92.9	105.5	105.5	102.4	
65		14/09/2013	22:46:36	93.4	103.3	95.0	97.5	96.7	93.1	104.4	104.4	101.3	
66		14/09/2013	22:46:37	98.9	97.8	90.4	103.6	98.1	91.9	106.1	106.1	103.4	
67		14/09/2013	22:46:38	91.7	100.2	92.9	97.0	96.4	95.2	104.4	104.4	101.6	
68		14/09/2013	22:46:39	100.6	97.9	94.9	94.3	102.7	94.2	105.9	105.9	103.9	
69		14/09/2013	22:46:40	100.1	102.0	93.3	92.3	97.5	91.0	104.6	104.6	100.2	
70		14/09/2013	22:46:41	100.6	98.3	95.1	96.2	95.2	93.1	105.3	105.3	100.1	
71		14/09/2013	22:46:42	99.8	99.4	94.5	96.2	94.1	95.0	105.0	105.0	100.7	
72		14/09/2013	22:46:43	99.6	99.1	91.0	94.0	93.4	93.2	105.9	105.9	99.4	
73		14/09/2013	22:46:44	98.0	94.7	93.9	93.4	96.3	93.5	104.3	104.3	100.1	
74		14/09/2013	22:46:45	97.5	98.9	93.2	92.8	94.6	92.5	104.8	104.8	99.6	
75		14/09/2013	22:46:46	98.8	97.4	90.4	92.2	94.1	91.5	103.0	103.0	98.7	
76		14/09/2013	22:46:47	98.7	99.0	90.5	94.9	91.0	90.7	103.2	103.2	97.5	
77		14/09/2013	22:46:48	98.9	102.7	89.9	93.7	91.7	92.6	102.8	102.8	98.5	
78		14/09/2013	22:46:49	95.7	98.0	89.6	93.4	91.6	90.6	103.9	103.9	98.0	
79		14/09/2013	22:46:50	98.5	100.5	94.0	92.3	90.8	91.0	103.6	103.6	97.9	
80		14/09/2013	22:46:51	99.4	100.5	92.4	90.7	89.7	91.0	105.2	105.2	97.3	
81		14/09/2013	22:46:52	98.8	95.4	91.1	96.0	91.8	92.1	103.4	103.4	98.9	
82		14/09/2013	22:46:53	87.8	97.0	93.9	95.4	98.4	91.3	104.5	104.5	101.0	
83		14/09/2013	22:46:54	100.6	99.9	93.8	95.6	98.9	96.5	106.6	106.6	103.1	
84		14/09/2013	22:46:55	93.9	97.3	96.5	92.1	96.2	92.6	104.0	104.0	99.8	
85		14/09/2013	22:46:56	97.1	98.8	98.2	97.3	95.9	92.6	106.1	106.1	101.1	
86		14/09/2013	22:46:57	92.5	96.0	97.5	96.7	96.2	92.6	104.3	104.3	100.5	
87		14/09/2013	22:46:58	95.6	98.7	93.3	98.8	96.7	91.6	103.0	103.0	100.7	
88		14/09/2013	22:46:59	96.5	102.3	92.5	93.0	95.6	95.8	104.5	104.5	101.1	
89		14/09/2013	22:47:00	98.4	95.4	94.2	95.9	99.6	94.6	106.7	106.7	102.6	
90		14/09/2013	22:47:01	98.2	101.4	95.2	92.3	98.6	93.3	106.1	106.1	101.0	
91		14/09/2013	22:47:02	102.6	97.0	92.5	94.4	95.1	95.8	104.6	104.6	101.0	
92		14/09/2013	22:47:03	98.8	102.1	96.8	95.4	96.9	93.7	106.3	106.3	100.8	
93		14/09/2013	22:47:04	99.5	98.4	93.1	93.9	94.9	94.3	103.1	103.1	100.2	
94		14/09/2013	22:47:05	100.3	100.0	91.4	95.1	94.7	92.2	103.7	103.7	99.7	
95		14/09/2013	22:47:06	99.9	100.6	93.1	92.9	94.7	92.2	105.0	105.0	99.6	

96		14/09/2013	22:47:07	98.3	97.0	93.4	92.7	94.8	91.2	104.3	104.3	98.5	
97		14/09/2013	22:47:08	98.8	100.5	93.7	94.0	94.9	90.9	104.1	104.1	99.1	
98	Pause	14/09/2013	22:47:08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
99		14/09/2013	22:47:08	98.8	100.5	93.7	94.0	94.9	90.9	104.1	104.1	99.1	Excluded (stop)
100	Stop	14/09/2013	22:47:10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
			Average:	96.5	99.0	93.8	94.6	95.8	92.1	104.5	104.5	100.1	

Appendix 6 - Intrusive levels Raw Data – From Bar – After 10pm

Record #	Record Type	Date	Time	63.0	125	250	500	1000	2000	dB(lin)	dBc	dBa	Notes:
1	Run	14/09/2013	22:50:44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (start)
2		14/09/2013	22:50:44	60.2	50.7	44.2	39.9	44.6	39.8	58.5	58.5	47.0	
3		14/09/2013	22:50:45	59.0	56.7	48.6	41.8	42.8	38.4	62.2	62.2	47.9	
4		14/09/2013	22:50:46	63.3	54.9	45.7	41.0	43.3	39.4	60.5	60.5	47.0	
5		14/09/2013	22:50:47	63.5	54.2	48.7	42.7	46.3	41.9	64.2	64.2	49.8	
6		14/09/2013	22:50:48	63.1	58.4	48.0	41.9	45.3	40.0	64.4	64.4	49.1	
7		14/09/2013	22:50:49	60.8	54.6	49.5	42.0	47.7	43.0	63.0	63.0	50.7	
8		14/09/2013	22:50:50	64.1	57.8	51.9	41.8	51.3	45.6	61.8	61.8	53.5	
9	Pause	14/09/2013	22:50:51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (traffic)
10	Resume	14/09/2013	22:51:15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (traffic)
11		14/09/2013	22:51:15	60.1	55.4	50.0	40.6	48.0	40.6	62.5	62.5	50.2	
12		14/09/2013	22:51:16	60.3	57.4	48.3	42.1	48.4	39.2	62.6	62.6	50.3	
13		14/09/2013	22:51:17	61.1	57.9	49.7	43.5	48.9	40.2	62.5	62.5	50.6	
14		14/09/2013	22:51:18	60.7	55.1	49.5	42.1	47.4	40.9	63.3	63.3	49.8	
15		14/09/2013	22:51:19	57.6	56.1	46.7	41.4	46.8	41.6	62.3	62.3	49.8	
16		14/09/2013	22:51:20	58.3	57.2	48.8	41.9	48.6	42.7	61.9	61.9	51.2	
17		14/09/2013	22:51:21	60.3	55.6	45.3	44.7	53.1	44.4	62.7	62.7	55.2	
18		14/09/2013	22:51:22	58.2	56.5	46.2	41.8	48.2	42.5	62.8	62.8	50.8	
19		14/09/2013	22:51:23	61.1	54.5	45.2	41.7	47.4	42.8	64.4	64.4	50.8	
20		14/09/2013	22:51:24	62.9	55.4	46.8	41.4	47.6	43.9	65.8	65.8	51.1	
21		14/09/2013	22:51:25	63.6	54.3	44.3	41.6	46.6	43.9	63.8	63.8	50.4	
22		14/09/2013	22:51:26	58.6	59.1	47.3	41.4	46.2	43.5	65.8	65.8	51.0	
23		14/09/2013	22:51:27	64.4	54.9	45.7	40.7	42.9	40.8	60.0	60.0	47.3	
24		14/09/2013	22:51:28	63.3	55.3	44.9	41.6	42.9	40.0	61.9	61.9	47.2	
25		14/09/2013	22:51:29	62.1	57.2	47.3	41.2	42.0	39.1	63.5	63.5	47.3	
26		14/09/2013	22:51:30	63.5	56.2	45.6	41.7	42.0	40.3	65.0	65.0	47.6	
27		14/09/2013	22:51:31	57.5	58.0	46.7	42.0	42.8	40.1	63.2	63.2	47.9	
28		14/09/2013	22:51:32	62.9	53.9	46.7	41.4	43.0	40.4	60.8	60.8	47.4	
29		14/09/2013	22:51:33	63.7	53.7	43.4	41.3	41.5	39.6	59.7	59.7	45.9	
30		14/09/2013	22:51:34	64.0	56.4	43.2	40.2	42.6	40.8	61.8	61.8	47.1	
31		14/09/2013	22:51:35	59.5	56.6	43.8	40.4	43.9	39.0	58.6	58.6	46.9	
32		14/09/2013	22:51:36	60.1	52.9	43.0	40.6	42.7	38.3	64.0	64.0	47.0	
33		14/09/2013	22:51:37	62.1	51.5	44.7	40.2	41.2	38.2	60.3	60.3	45.7	
34		14/09/2013	22:51:38	58.8	52.8	45.4	39.8	41.7	37.8	62.1	62.1	46.9	
35		14/09/2013	22:51:39	61.2	54.8	44.6	40.7	40.0	36.6	63.9	63.9	46.0	
36		14/09/2013	22:51:40	57.5	55.5	44.3	38.6	38.1	36.2	64.0	64.0	45.5	
37		14/09/2013	22:51:41	62.6	53.3	46.7	38.9	37.5	36.6	62.4	62.4	45.0	
38		14/09/2013	22:51:42	60.7	52.6	42.1	39.1	37.5	36.4	60.1	60.1	43.7	
39		14/09/2013	22:51:43	62.2	51.7	45.4	39.3	38.0	36.2	59.0	59.0	43.3	
40		14/09/2013	22:51:44	60.1	55.8	44.9	38.8	37.3	36.3	58.6	58.6	44.3	
41		14/09/2013	22:51:45	57.7	52.7	46.2	39.7	37.2	36.0	59.5	59.5	43.8	
42		14/09/2013	22:51:46	55.1	56.5	43.0	37.9	37.7	36.4	59.0	59.0	42.9	
43		14/09/2013	22:51:47	54.7	54.9	44.1	39.4	37.3	36.1	61.9	61.9	44.8	
44		14/09/2013	22:51:48	62.5	53.6	46.3	40.1	36.9	36.1	60.6	60.6	44.5	
45		14/09/2013	22:51:49	60.0	57.2	45.4	40.2	37.3	35.6	59.8	59.8	45.3	

46		14/09/2013	22:51:50	61.0	52.6	42.3	39.6	38.0	35.4	54.6	54.6	42.1	
47		14/09/2013	22:51:51	64.9	56.8	44.7	39.2	37.7	35.4	61.1	61.1	44.9	
48		14/09/2013	22:51:52	56.5	54.6	44.0	38.7	37.6	36.5	61.1	61.1	44.3	
49		14/09/2013	22:51:53	61.0	54.4	46.9	41.3	37.7	35.3	63.1	63.1	44.8	
50		14/09/2013	22:51:54	58.5	52.6	46.9	40.0	37.7	36.2	60.9	60.9	44.8	
51		14/09/2013	22:51:55	57.1	55.7	47.2	39.8	37.2	35.8	61.3	61.3	44.3	
52		14/09/2013	22:51:56	63.5	53.3	46.4	40.0	36.9	35.5	61.9	61.9	44.7	
53		14/09/2013	22:51:57	63.5	54.4	44.5	42.7	37.4	36.3	58.8	58.8	44.4	
54		14/09/2013	22:51:58	62.5	53.8	43.1	38.8	38.5	35.7	57.6	57.6	43.1	
55		14/09/2013	22:51:59	51.6	55.2	45.9	40.8	38.6	36.1	63.8	63.8	45.0	
56		14/09/2013	22:52:00	55.7	55.3	45.9	40.0	37.7	37.2	61.5	61.5	44.5	
57		14/09/2013	22:52:01	54.6	46.4	39.6	39.3	37.7	35.2	55.6	55.6	41.6	
58		14/09/2013	22:52:02	52.0	54.1	44.8	40.2	39.0	36.2	60.9	60.9	45.0	
59		14/09/2013	22:52:03	56.2	57.2	49.7	43.3	37.7	36.3	63.5	63.5	46.1	
60		14/09/2013	22:52:04	60.9	53.1	43.8	40.9	37.5	36.1	60.9	60.9	44.6	
61		14/09/2013	22:52:05	59.6	53.0	45.0	40.6	38.5	36.2	57.5	57.5	44.5	
62		14/09/2013	22:52:06	64.2	56.2	45.1	41.6	38.4	36.2	61.8	61.8	45.1	
63		14/09/2013	22:52:07	61.8	51.8	45.1	40.0	38.3	36.7	59.3	59.3	44.5	
64		14/09/2013	22:52:08	59.2	54.9	46.1	41.5	38.3	36.4	64.1	64.1	45.5	
65		14/09/2013	22:52:09	55.3	55.5	46.4	41.8	38.0	35.8	60.5	60.5	44.4	
66		14/09/2013	22:52:10	55.8	54.8	45.2	43.8	38.6	36.1	61.5	61.5	45.7	
67		14/09/2013	22:52:11	62.2	55.6	47.3	40.5	38.7	37.0	61.7	61.7	46.0	
68		14/09/2013	22:52:12	62.3	57.6	47.3	39.6	38.7	36.3	59.8	59.8	44.8	
69		14/09/2013	22:52:13	57.8	57.3	45.2	40.1	38.5	36.5	63.7	63.7	45.6	
70		14/09/2013	22:52:14	58.4	56.1	46.7	40.8	39.0	36.4	59.0	59.0	44.4	
71		14/09/2013	22:52:15	58.0	55.6	46.5	43.8	37.9	36.7	61.5	61.5	45.7	
72		14/09/2013	22:52:16	61.1	53.3	47.9	39.6	38.1	36.8	61.9	61.9	45.3	
73		14/09/2013	22:52:17	62.2	53.9	43.8	39.3	37.6	35.8	60.4	60.4	44.6	
74		14/09/2013	22:52:18	58.1	53.7	49.3	40.7	38.3	35.8	59.1	59.1	44.5	
75		14/09/2013	22:52:19	56.5	53.4	44.4	40.5	39.1	36.5	62.3	62.3	45.1	
76		14/09/2013	22:52:20	59.1	55.2	44.3	40.4	39.1	37.0	61.0	61.0	45.4	
77		14/09/2013	22:52:21	63.5	56.8	45.9	39.5	38.6	37.6	62.2	62.2	45.7	
78		14/09/2013	22:52:22	59.4	53.6	46.1	39.8	38.4	36.7	59.8	59.8	45.1	
79		14/09/2013	22:52:23	64.0	56.3	44.3	40.5	38.2	36.9	65.1	65.1	46.4	
80		14/09/2013	22:52:24	55.4	53.1	43.3	40.7	39.0	36.7	63.8	63.8	44.7	
81		14/09/2013	22:52:25	58.2	54.4	44.9	40.1	39.6	37.4	65.4	65.4	46.8	
82		14/09/2013	22:52:26	63.0	52.6	43.7	41.0	43.4	37.4	59.4	59.4	46.1	
83		14/09/2013	22:52:27	58.0	50.3	44.1	40.2	41.7	37.8	60.7	60.7	45.9	
84		14/09/2013	22:52:28	62.7	51.6	44.1	41.6	42.0	37.8	58.4	58.4	45.6	
85		14/09/2013	22:52:29	61.2	53.2	44.5	43.2	45.3	38.3	59.9	59.9	47.8	
86		14/09/2013	22:52:30	60.1	55.8	46.0	40.9	39.4	36.8	61.8	61.8	44.9	
87		14/09/2013	22:52:31	60.3	53.0	46.4	40.6	39.9	37.2	60.9	60.9	45.1	
88		14/09/2013	22:52:32	59.5	53.5	45.4	39.4	39.4	36.9	59.3	59.3	44.4	
89		14/09/2013	22:52:33	64.9	53.7	47.2	41.4	40.1	36.9	60.6	60.6	45.1	
90		14/09/2013	22:52:34	60.4	54.1	47.0	40.5	39.3	36.9	59.3	59.3	45.0	
91		14/09/2013	22:52:35	63.5	56.3	46.1	41.5	40.0	37.9	63.0	63.0	46.3	
92		14/09/2013	22:52:36	61.7	53.2	47.4	42.9	39.6	38.6	61.5	61.5	46.1	
93		14/09/2013	22:52:37	62.3	57.4	45.7	43.1	40.0	38.3	63.5	63.5	46.9	
94		14/09/2013	22:52:38	60.3	53.7	45.9	43.3	39.9	38.0	62.0	62.0	46.1	

95		14/09/2013	22:52:39	57.1	55.6	44.9	41.0	39.7	38.3	61.6	61.6	45.8	
96		14/09/2013	22:52:40	55.8	55.8	45.7	42.8	41.2	38.1	62.2	62.2	46.3	
97		14/09/2013	22:52:41	57.1	52.2	46.5	41.2	39.6	37.3	58.7	58.7	45.2	
98		14/09/2013	22:52:42	64.0	53.1	45.0	40.8	39.9	38.7	63.7	63.7	46.2	
99		14/09/2013	22:52:43	59.1	53.1	46.1	40.0	40.1	39.1	59.8	59.8	45.6	
100		14/09/2013	22:52:44	58.2	52.0	46.2	39.0	38.9	38.9	62.0	62.0	46.4	
101		14/09/2013	22:52:45	62.7	53.7	44.6	41.6	39.9	37.4	63.1	63.1	46.3	
102		14/09/2013	22:52:46	63.6	54.4	43.5	39.8	40.3	37.5	59.3	59.3	45.0	
103		14/09/2013	22:52:47	63.9	55.7	46.7	41.0	39.5	37.0	64.3	64.3	46.1	
104		14/09/2013	22:52:48	60.4	56.3	45.5	40.7	39.6	37.8	63.9	63.9	46.6	
105		14/09/2013	22:52:49	58.8	54.4	45.7	39.5	39.6	37.0	61.8	61.8	45.2	
106		14/09/2013	22:52:50	55.0	51.9	44.5	40.9	40.7	37.6	60.6	60.6	45.5	
107		14/09/2013	22:52:51	60.4	54.0	44.2	41.5	40.4	37.3	62.1	62.1	45.6	
108		14/09/2013	22:52:52	64.2	55.1	46.0	41.1	40.5	37.3	62.2	62.2	46.2	
109		14/09/2013	22:52:53	62.7	56.3	43.6	39.7	40.2	37.3	58.7	58.7	44.5	
110		14/09/2013	22:52:54	55.5	54.7	46.7	40.4	39.6	37.7	59.8	59.8	44.7	
111		14/09/2013	22:52:55	63.3	55.2	44.3	39.6	40.3	39.0	61.0	61.0	45.5	
112		14/09/2013	22:52:56	55.2	51.0	45.6	41.4	41.7	38.3	61.0	61.0	46.1	
113		14/09/2013	22:52:57	57.3	57.2	45.9	39.8	40.6	37.6	61.7	61.7	45.3	
114		14/09/2013	22:52:58	53.8	57.9	46.9	40.9	40.1	37.5	62.9	62.9	46.5	
115		14/09/2013	22:52:59	56.9	55.0	46.1	39.6	40.7	38.8	60.8	60.8	45.9	
116		14/09/2013	22:53:00	58.1	54.6	45.5	40.4	40.9	39.3	63.1	63.1	46.4	
117		14/09/2013	22:53:01	59.4	54.9	45.9	39.5	42.4	38.8	61.5	61.5	46.3	
118	Pause	14/09/2013	22:53:02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
119	Stop	14/09/2013	22:53:03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
			Average:	60.0	51.7	45.7	40.8	40.8	38.0	61.5	61.5	46.2	

Appendix 7 - PA System Source L10 Raw Data – Beer Garden – Before 10pm

Record #	Record Type	Date	Time	63.0	125	250	500	1000	2000	dB(lin)	dBc	dBa	Notes:
1	Run	14/09/2013	21:28:48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (start)
2		14/09/2013	21:28:48	83.8	103.1	95.1	88.0	86.1	83.7	104.0	104.0	94.8	
3		14/09/2013	21:28:49	93.7	99.7	93.8	96.4	88.8	89.8	103.8	103.8	98.0	
4		14/09/2013	21:28:50	90.1	100.7	90.7	88.9	89.1	87.9	102.7	102.7	97.2	
5		14/09/2013	21:28:51	92.7	103.8	89.5	93.6	87.9	86.9	104.6	104.6	97.0	
6		14/09/2013	21:28:52	79.4	103.9	91.9	88.6	86.9	85.1	105.8	105.8	95.7	
7		14/09/2013	21:28:53	85.3	104.4	95.4	85.3	82.3	84.1	107.0	107.0	94.9	
8		14/09/2013	21:28:54	94.6	100.0	92.2	90.5	87.6	88.4	102.3	102.3	97.1	
9		14/09/2013	21:28:55	93.3	100.2	89.2	95.5	92.5	77.1	101.7	101.7	95.6	
10		14/09/2013	21:28:56	88.0	104.2	90.6	89.5	82.0	76.6	104.3	104.3	93.8	
11		14/09/2013	21:28:57	80.0	99.0	93.7	93.0	88.9	81.5	104.1	104.1	95.4	
12		14/09/2013	21:28:58	86.4	104.2	94.0	90.8	80.6	73.7	106.0	106.0	93.2	
13		14/09/2013	21:28:59	98.3	98.5	95.1	84.0	83.0	80.0	102.9	102.9	92.4	
14		14/09/2013	21:29:00	94.9	102.6	90.1	85.0	80.3	69.9	99.3	99.3	88.0	
15		14/09/2013	21:29:01	89.9	102.5	93.6	88.7	81.3	76.1	104.6	104.6	91.6	
16		14/09/2013	21:29:02	81.7	101.0	93.5	89.2	82.7	79.6	104.3	104.3	92.1	
17		14/09/2013	21:29:03	86.3	102.0	92.2	93.3	83.2	77.1	104.8	104.8	93.7	
18		14/09/2013	21:29:04	97.2	96.3	96.6	86.2	82.3	79.4	101.2	101.2	91.9	
19		14/09/2013	21:29:05	94.9	100.0	90.6	89.3	85.8	80.0	103.7	103.7	94.5	
20		14/09/2013	21:29:06	85.3	101.5	90.2	101.6	89.4	87.9	106.1	106.1	100.4	
21		14/09/2013	21:29:07	93.1	96.3	92.2	90.7	91.5	84.8	105.1	105.1	96.9	
22		14/09/2013	21:29:08	86.6	103.6	93.5	96.9	96.4	85.5	103.9	103.9	98.1	
23		14/09/2013	21:29:09	95.7	99.1	95.1	88.9	85.4	83.0	101.9	101.9	94.8	
24		14/09/2013	21:29:10	96.0	97.9	92.3	92.2	90.9	75.3	101.3	101.3	93.2	
25		14/09/2013	21:29:11	85.6	101.7	95.0	97.2	85.7	80.0	104.4	104.4	96.2	
26		14/09/2013	21:29:12	84.7	96.5	94.7	92.5	93.1	82.6	104.3	104.3	96.9	
27		14/09/2013	21:29:13	88.9	100.4	94.9	97.0	93.2	85.5	103.6	103.6	97.3	
28		14/09/2013	21:29:14	96.5	96.9	92.8	93.3	94.2	89.3	102.3	102.3	97.7	
29		14/09/2013	21:29:15	96.7	97.6	86.5	99.5	94.6	88.1	103.1	103.1	100.7	
30		14/09/2013	21:29:16	96.7	97.4	91.7	95.0	96.2	85.0	102.8	102.8	99.0	
31		14/09/2013	21:29:17	96.2	97.7	88.4	92.9	89.4	84.1	102.3	102.3	94.9	
32		14/09/2013	21:29:18	92.7	96.3	95.7	91.2	89.0	84.0	102.0	102.0	95.3	
33		14/09/2013	21:29:19	97.0	97.1	93.9	98.8	93.9	90.9	103.7	103.7	100.4	
34		14/09/2013	21:29:20	94.1	101.7	95.7	98.8	95.5	87.0	103.8	103.8	100.5	
35		14/09/2013	21:29:21	82.9	101.1	95.8	102.7	92.6	80.6	104.7	104.7	100.2	
36		14/09/2013	21:29:22	89.5	100.5	96.5	92.6	91.3	87.6	101.6	101.6	97.3	
37		14/09/2013	21:29:23	92.0	102.1	92.6	96.1	90.0	87.2	103.9	103.9	98.3	
38		14/09/2013	21:29:24	92.5	100.1	93.4	89.0	85.8	88.4	102.5	102.5	99.8	
39		14/09/2013	21:29:25	89.4	103.9	90.7	88.8	87.6	86.3	104.1	104.1	96.5	
40		14/09/2013	21:29:26	81.6	102.6	87.9	91.6	93.0	92.8	102.5	102.5	100.3	
41		14/09/2013	21:29:27	85.3	102.3	91.5	90.3	89.7	89.3	103.8	103.8	98.5	
42		14/09/2013	21:29:28	90.7	99.1	95.7	90.5	86.2	88.8	102.6	102.6	99.4	
43		14/09/2013	21:29:29	88.0	101.1	90.1	88.0	90.9	90.5	101.4	101.4	98.7	
44		14/09/2013	21:29:30	91.8	102.5	91.9	88.9	90.4	82.2	105.1	105.1	94.3	
45		14/09/2013	21:29:31	79.5	106.8	89.3	87.5	91.4	79.4	105.5	105.5	93.8	

46		14/09/2013	21:29:32	88.9	100.4	91.0	91.0	93.9	77.9	99.9	99.9	95.2
47		14/09/2013	21:29:33	90.7	101.0	92.0	89.5	89.8	83.2	104.7	104.7	94.9
48		14/09/2013	21:29:34	91.6	102.8	87.2	91.6	92.5	80.4	102.9	102.9	94.8
49		14/09/2013	21:29:35	95.1	102.3	91.7	81.4	83.9	81.0	105.5	105.5	92.1
50		14/09/2013	21:29:36	83.7	104.5	90.9	87.1	87.7	80.6	105.5	105.5	94.2
51		14/09/2013	21:29:37	88.6	102.0	91.3	84.8	88.0	85.7	100.1	100.1	95.0
52		14/09/2013	21:29:38	87.7	102.6	90.5	89.2	90.3	84.8	104.6	104.6	95.3
53		14/09/2013	21:29:39	86.4	102.8	88.5	84.5	82.7	81.4	102.6	102.6	91.9
54		14/09/2013	21:29:40	98.7	99.0	89.2	88.8	91.6	83.2	106.1	106.1	94.7
55		14/09/2013	21:29:41	85.1	104.0	91.7	87.5	91.1	78.8	106.0	106.0	94.3
56		14/09/2013	21:29:42	90.4	102.2	93.1	89.2	92.1	78.8	102.4	102.4	94.9
57		14/09/2013	21:29:43	86.8	101.3	92.9	89.5	89.6	87.8	103.5	103.5	95.5
58		14/09/2013	21:29:44	89.4	102.5	86.4	94.6	87.4	75.3	103.5	103.5	93.8
59		14/09/2013	21:29:45	94.9	99.5	93.4	86.6	82.2	79.7	105.2	105.2	91.4
60		14/09/2013	21:29:46	85.3	105.1	89.6	83.9	83.6	84.8	106.1	106.1	93.3
61		14/09/2013	21:29:47	92.7	104.3	92.0	90.2	90.1	85.5	102.0	102.0	96.1
62		14/09/2013	21:29:48	89.7	103.9	93.7	88.6	89.7	82.4	105.1	105.1	95.1
63		14/09/2013	21:29:49	87.6	101.7	89.8	93.1	89.1	85.0	102.2	102.2	95.9
64		14/09/2013	21:29:50	94.5	105.1	94.1	86.6	88.7	84.5	106.0	106.0	95.3
65		14/09/2013	21:29:51	81.9	106.0	90.1	86.4	87.7	86.8	104.2	104.2	95.3
66		14/09/2013	21:29:52	85.5	106.0	93.9	86.8	89.2	83.8	104.3	104.3	94.5
67		14/09/2013	21:29:53	90.3	100.3	89.6	90.0	91.3	85.4	104.4	104.4	96.2
68		14/09/2013	21:29:54	87.4	98.8	91.8	85.9	91.3	85.5	102.5	102.5	95.1
69		14/09/2013	21:29:55	95.9	98.0	92.8	89.0	89.1	85.3	106.4	106.4	95.6
70		14/09/2013	21:29:56	86.8	104.7	93.0	85.0	86.9	84.3	105.2	105.2	95.1
71		14/09/2013	21:29:57	89.6	103.4	96.4	88.2	87.5	83.8	104.5	104.5	94.6
72		14/09/2013	21:29:58	89.9	105.2	88.3	90.7	87.7	84.4	102.8	102.8	95.3
73		14/09/2013	21:29:59	91.6	101.7	92.2	83.9	88.0	85.0	104.8	104.8	95.6
74	Pause	14/09/2013	21:30:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
75	Stop	14/09/2013	21:30:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
			Average:	89.8	101.4	92.1	90.4	88.6	83.4	103.7	103.7	95.7

Appendix 8 - Intrusive levels Raw Data – From Beer Garden – Before 10pm

Record #	Record Type	Date	Time	63.0	125	250	500	1000	2000	dB{lin}	dBc	dBa	Notes:
1	Run	14/09/2013	21:33:16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (start)
2		14/09/2013	21:33:16	60.2	68.7	63.7	52.4	54.3	44.8	70.0	70.0	59.7	
3		14/09/2013	21:33:17	63.5	67.1	62.3	54.7	57.6	46.2	70.4	70.4	60.1	
4		14/09/2013	21:33:18	65.8	67.7	62.3	52.6	52.8	46.9	69.8	69.8	58.6	
5		14/09/2013	21:33:19	65.7	68.4	60.6	53.7	50.2	56.7	73.5	73.5	62.0	
6		14/09/2013	21:33:20	68.3	71.4	65.2	56.8	50.5	51.1	73.1	73.1	61.0	
7		14/09/2013	21:33:21	66.2	70.1	63.6	52.0	53.2	48.9	72.1	72.1	59.6	
8		14/09/2013	21:33:22	66.6	72.9	62.2	53.9	51.0	49.3	73.1	73.1	60.5	
9		14/09/2013	21:33:23	67.5	71.6	61.8	52.3	54.2	47.7	72.4	72.4	59.3	
10		14/09/2013	21:33:24	64.7	73.0	59.2	49.8	48.6	44.7	72.3	72.3	57.9	
11		14/09/2013	21:33:25	67.8	68.0	59.6	51.7	52.6	50.6	71.6	71.6	59.5	
12		14/09/2013	21:33:26	68.9	70.1	62.0	46.2	50.0	48.5	72.3	72.3	59.3	
13		14/09/2013	21:33:27	68.0	71.1	61.8	51.4	57.0	51.2	73.9	73.9	61.7	
14		14/09/2013	21:33:28	67.3	71.5	57.4	48.5	53.2	49.2	73.4	73.4	59.3	
15		14/09/2013	21:33:29	65.8	72.9	63.0	49.5	49.7	47.1	73.6	73.6	58.8	
16		14/09/2013	21:33:30	66.3	67.4	61.3	57.5	52.1	49.4	68.9	68.9	59.5	
17		14/09/2013	21:33:31	69.7	70.0	62.7	54.3	51.2	40.4	73.7	73.7	58.8	
18		14/09/2013	21:33:32	70.0	71.9	61.3	50.6	50.7	42.8	73.7	73.7	59.0	
19		14/09/2013	21:33:33	71.7	69.7	60.5	52.3	49.3	41.3	72.9	72.9	58.5	
20		14/09/2013	21:33:34	66.8	74.7	63.9	50.2	47.2	40.9	74.7	74.7	60.8	
21		14/09/2013	21:33:35	72.6	68.5	60.4	50.8	50.3	41.6	71.4	71.4	56.0	
22		14/09/2013	21:33:36	71.5	69.6	63.3	48.9	42.3	39.4	75.1	75.1	58.6	
23		14/09/2013	21:33:37	68.2	70.3	61.7	49.7	53.2	42.0	74.0	74.0	59.9	
24		14/09/2013	21:33:38	67.6	70.3	63.5	52.4	47.7	40.9	72.3	72.3	58.2	
25		14/09/2013	21:33:39	67.8	72.7	63.7	51.0	45.9	40.3	74.4	74.4	60.4	
26		14/09/2013	21:33:40	72.6	68.7	64.2	48.6	51.2	42.9	70.7	70.7	57.2	
27		14/09/2013	21:33:41	72.2	72.3	61.6	51.4	49.4	42.9	74.3	74.3	58.9	
28		14/09/2013	21:33:42	69.2	69.0	59.8	51.1	58.8	46.1	73.7	73.7	61.3	
29		14/09/2013	21:33:43	72.6	69.4	61.3	52.4	56.6	47.5	73.7	73.7	60.4	
30		14/09/2013	21:33:44	66.1	71.5	64.6	51.5	61.4	46.1	74.2	74.2	63.1	
31		14/09/2013	21:33:45	70.8	69.8	61.2	50.4	53.0	45.4	70.2	70.2	57.4	
32		14/09/2013	21:33:46	71.6	69.1	62.4	49.4	59.8	39.5	74.4	74.4	61.3	
33		14/09/2013	21:33:47	68.4	70.2	63.6	49.5	50.1	43.1	73.6	73.6	58.8	
34		14/09/2013	21:33:48	63.7	66.2	63.6	51.5	61.5	43.7	72.2	72.2	61.8	
35		14/09/2013	21:33:49	71.0	71.4	65.0	52.0	56.5	46.7	73.9	73.9	61.7	
36		14/09/2013	21:33:50	70.2	68.6	64.5	51.2	54.4	46.5	73.3	73.3	59.5	
37		14/09/2013	21:33:51	69.3	64.7	58.4	55.0	61.9	49.3	72.5	72.5	62.8	
38		14/09/2013	21:33:52	70.1	68.1	61.8	50.5	63.3	45.4	73.1	73.1	63.4	
39		14/09/2013	21:33:53	67.0	70.1	60.3	55.2	63.9	51.6	75.1	75.1	65.3	
40		14/09/2013	21:33:54	68.8	70.1	61.5	54.5	57.6	48.3	72.1	72.1	60.4	
41		14/09/2013	21:33:55	69.8	67.0	62.1	50.6	50.7	52.1	73.5	73.5	59.9	
42		14/09/2013	21:33:56	68.5	66.3	63.5	51.1	53.8	49.0	71.0	71.0	60.6	
43		14/09/2013	21:33:57	67.1	67.7	59.5	58.7	57.4	46.6	70.1	70.1	60.7	
44		14/09/2013	21:33:58	64.1	68.5	63.8	54.2	55.8	49.1	69.6	69.6	60.1	
45		14/09/2013	21:33:59	66.3	68.4	64.8	53.4	52.1	50.7	70.3	70.3	60.1	

46		14/09/2013	21:34:00	66.4	70.1	59.2	50.8	57.0	53.9	72.5	72.5	61.1	
47		14/09/2013	21:34:01	65.9	71.3	59.6	51.9	52.4	48.3	74.0	74.0	59.5	
48		14/09/2013	21:34:02	66.2	69.9	56.8	53.3	55.8	55.0	71.5	71.5	61.4	
49		14/09/2013	21:34:03	63.7	68.7	60.8	52.3	55.3	53.2	71.6	71.6	60.8	
50		14/09/2013	21:34:04	65.4	68.3	63.5	51.4	54.4	53.2	69.7	69.7	60.6	
51		14/09/2013	21:34:05	63.7	69.5	59.8	49.9	54.5	53.1	72.6	72.6	60.2	
52		14/09/2013	21:34:06	67.4	68.2	62.2	49.7	53.4	45.5	72.4	72.4	58.8	
53		14/09/2013	21:34:07	60.1	72.8	59.9	46.2	54.2	38.8	73.2	73.2	58.9	
54		14/09/2013	21:34:08	67.3	71.3	61.0	47.5	56.0	43.4	70.3	70.3	59.8	
55		14/09/2013	21:34:09	64.8	72.8	58.8	48.9	53.9	44.0	72.9	72.9	59.4	
56		14/09/2013	21:34:10	66.5	71.5	59.7	49.7	55.0	44.9	73.9	73.9	58.9	
57		14/09/2013	21:34:11	69.5	65.6	61.2	45.8	47.8	45.7	73.2	73.2	57.2	
58		14/09/2013	21:34:12	63.8	69.9	59.9	45.0	51.9	44.9	73.2	73.2	58.8	
59		14/09/2013	21:34:13	67.3	70.9	62.1	45.9	49.8	48.4	68.9	68.9	56.5	
60		14/09/2013	21:34:14	67.1	73.2	61.9	47.3	53.7	47.8	72.6	72.6	59.4	
61		14/09/2013	21:34:15	64.6	71.5	56.3	48.6	48.9	46.0	75.0	75.0	58.0	
62		14/09/2013	21:34:16	68.8	68.8	58.3	48.2	54.3	45.8	71.7	71.7	58.0	
63		14/09/2013	21:34:17	63.0	71.4	59.4	49.6	53.3	43.1	73.4	73.4	58.8	
64		14/09/2013	21:34:18	70.4	73.4	63.2	51.8	55.6	43.5	72.2	72.2	60.2	
65		14/09/2013	21:34:19	65.5	72.4	58.5	46.4	53.3	47.3	72.9	72.9	59.9	
66		14/09/2013	21:34:20	68.4	71.0	59.2	55.4	53.7	41.3	74.7	74.7	59.0	
67		14/09/2013	21:34:21	68.7	66.6	62.0	48.4	48.9	46.5	72.3	72.3	57.4	
68		14/09/2013	21:34:22	64.6	72.3	60.1	53.3	49.8	50.2	73.3	73.3	59.7	
69		14/09/2013	21:34:23	68.0	73.7	60.1	50.6	53.8	46.8	71.3	71.3	59.1	
70		14/09/2013	21:34:24	67.5	72.9	60.5	48.0	52.8	44.0	73.9	73.9	59.7	
71		14/09/2013	21:34:25	63.6	70.4	61.2	51.6	53.8	46.1	74.1	74.1	59.0	
72		14/09/2013	21:34:26	68.1	75.5	62.0	47.4	52.8	45.4	75.4	75.4	60.1	
73		14/09/2013	21:34:27	65.1	73.7	57.4	51.1	50.8	48.9	73.0	73.0	59.5	
74		14/09/2013	21:34:28	63.4	72.6	62.0	51.4	54.5	47.8	73.4	73.4	60.3	
75		14/09/2013	21:34:29	62.7	70.5	57.2	56.2	55.2	49.8	72.0	72.0	60.8	
76		14/09/2013	21:34:30	67.0	68.5	63.0	50.8	53.2	48.9	72.9	72.9	59.3	
77		14/09/2013	21:34:31	67.5	66.9	59.6	51.4	52.9	50.0	74.0	74.0	60.5	
78		14/09/2013	21:34:32	66.7	72.8	61.4	50.0	53.1	49.0	73.5	73.5	59.8	
79		14/09/2013	21:34:33	65.7	72.0	65.3	52.8	52.1	47.9	72.1	72.1	59.4	
80		14/09/2013	21:34:34	64.5	72.4	55.9	57.6	54.3	49.2	72.5	72.5	60.6	
81		14/09/2013	21:34:35	66.8	71.9	61.5	49.9	51.2	48.1	73.6	73.6	59.4	
82		14/09/2013	21:34:36	67.2	69.6	61.5	57.2	52.5	49.3	71.9	71.9	59.4	
83		14/09/2013	21:34:37	72.4	70.3	60.8	48.1	48.2	40.4	73.0	73.0	57.3	
84		14/09/2013	21:34:38	67.9	73.5	63.0	50.7	50.7	45.0	72.5	72.5	59.6	
85		14/09/2013	21:34:39	67.5	71.4	60.7	52.3	51.6	42.2	74.3	74.3	59.9	
86		14/09/2013	21:34:40	67.0	72.0	62.4	55.2	53.0	41.0	72.9	72.9	59.8	
87		14/09/2013	21:34:41	66.1	69.5	59.9	50.4	49.0	42.8	72.3	72.3	57.4	
88		14/09/2013	21:34:42	72.7	70.3	61.9	48.5	43.4	41.3	74.5	74.5	57.1	
89		14/09/2013	21:34:43	72.5	70.0	60.8	52.7	48.1	45.4	74.5	74.5	60.0	
90		14/09/2013	21:34:44	69.8	69.9	62.8	52.3	52.6	44.2	73.2	73.2	59.1	
91		14/09/2013	21:34:45	70.3	71.8	61.8	56.3	58.5	41.6	72.3	72.3	61.5	
92		14/09/2013	21:34:46	68.9	69.8	60.1	50.1	50.9	46.2	71.5	71.5	57.8	
93		14/09/2013	21:34:47	72.9	68.6	61.9	49.1	54.5	42.5	70.2	70.2	57.2	
94		14/09/2013	21:34:48	68.5	71.4	59.1	54.1	60.8	46.4	72.7	72.7	62.4	

95		14/09/2013	21:34:49	68.6	73.5	63.2	48.8	51.5	45.7	74.2	74.2	60.0	
96		14/09/2013	21:34:50	67.4	68.2	62.4	52.9	47.5	49.3	68.9	68.9	58.9	
97		14/09/2013	21:34:51	68.7	66.9	61.8	49.0	51.0	46.1	70.1	70.1	57.5	
98		14/09/2013	21:34:52	70.5	70.1	62.8	52.6	48.2	43.2	73.5	73.5	57.5	
99		14/09/2013	21:34:53	69.6	67.8	64.6	49.0	53.2	45.7	73.2	73.2	59.5	
100		14/09/2013	21:34:54	69.3	68.3	61.4	53.6	53.5	49.4	72.1	72.1	59.2	
101		14/09/2013	21:34:55	67.3	70.7	58.7	57.7	52.6	44.4	69.8	69.8	59.0	
102		14/09/2013	21:34:56	67.6	69.1	66.1	51.9	52.2	49.9	74.5	74.5	60.5	
103		14/09/2013	21:34:57	68.8	66.8	61.0	55.0	58.5	53.6	71.7	71.7	61.9	
104		14/09/2013	21:34:58	69.8	67.9	60.2	57.4	60.4	49.2	71.9	71.9	62.3	
105		14/09/2013	21:34:59	63.6	68.1	59.5	55.2	61.0	49.2	72.6	72.6	62.1	
106		14/09/2013	21:35:00	67.5	68.4	60.9	55.9	58.3	52.2	73.2	73.2	61.6	
107		14/09/2013	21:35:01	72.5	69.3	63.9	50.0	51.8	51.0	72.3	72.3	59.6	
108		14/09/2013	21:35:02	66.1	67.0	63.9	53.4	56.5	48.2	68.8	68.8	60.0	
109		14/09/2013	21:35:03	65.2	67.1	61.8	53.9	55.0	49.9	70.1	70.1	59.4	
110		14/09/2013	21:35:04	68.4	67.0	64.3	55.9	53.8	51.1	70.6	70.6	60.2	
111		14/09/2013	21:35:05	67.1	69.0	61.9	56.6	56.1	54.2	71.9	71.9	61.5	
112		14/09/2013	21:35:06	67.4	68.9	63.1	54.6	54.7	53.9	73.2	73.2	61.1	
113		14/09/2013	21:35:07	67.4	69.2	63.7	54.7	54.4	52.9	73.0	73.0	61.0	
114	Pause	14/09/2013	21:35:07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
115		14/09/2013	21:35:07	67.4	69.2	63.7	54.7	54.4	52.9	73.0	73.0	61.0	Excluded (stop)
116	Stop	14/09/2013	21:35:09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
			Average:	67.6	70.0	61.5	51.7	53.3	46.8	72.5	72.5	59.8	

Appendix 9 - PA System Source L10 Raw Data – Beer Garden – After 10pm

Record #	Record Type	Date	Time	63.0	125	250	500	1000	2000	dB(lin)	dbc	dBA	Notes:
1	Run	14/09/2013	22:07:11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (start)
2		14/09/2013	22:07:11	96.6	95.7	93.9	91.5	93.4	91.6	102.3	102.3	99.4	
3		14/09/2013	22:07:12	90.1	97.8	93.1	90.9	94.4	92.2	102.6	102.6	99.4	
4		14/09/2013	22:07:13	96.7	96.7	91.9	92.9	93.5	93.3	102.0	102.0	99.6	
5		14/09/2013	22:07:14	94.0	99.7	90.5	92.0	94.5	92.6	102.2	102.2	99.3	
6		14/09/2013	22:07:15	95.7	100.7	92.2	92.9	92.7	92.1	102.5	102.5	98.4	
7		14/09/2013	22:07:16	95.4	99.0	91.1	90.7	95.3	92.1	102.3	102.3	99.8	
8		14/09/2013	22:07:17	91.2	96.1	93.9	90.6	95.5	90.1	103.4	103.4	98.5	
9		14/09/2013	22:07:18	96.0	94.1	93.3	92.1	96.6	91.2	102.2	102.2	99.3	
10		14/09/2013	22:07:19	89.6	95.0	94.9	93.9	93.3	89.9	103.1	103.1	99.6	
11		14/09/2013	22:07:20	96.5	93.1	89.5	99.2	92.9	90.5	103.4	103.4	99.8	
12		14/09/2013	22:07:21	94.6	97.6	92.6	99.6	95.4	91.6	104.2	104.2	101.4	
13		14/09/2013	22:07:22	95.1	101.1	94.5	96.9	93.2	91.2	103.8	103.8	99.9	
14		14/09/2013	22:07:23	98.1	94.3	92.0	91.8	98.3	90.1	103.6	103.6	99.7	
15		14/09/2013	22:07:24	90.7	96.7	95.2	94.0	92.2	89.8	102.6	102.6	98.3	
16		14/09/2013	22:07:25	96.0	95.5	90.6	94.2	93.8	90.7	101.6	101.6	98.8	
17		14/09/2013	22:07:26	91.2	96.7	93.5	92.0	91.3	90.9	101.6	101.6	99.6	
18		14/09/2013	22:07:27	95.5	100.1	91.0	89.6	94.2	89.7	102.9	102.9	97.8	
19		14/09/2013	22:07:28	93.7	98.4	93.7	94.2	92.6	91.6	101.5	101.5	98.7	
20		14/09/2013	22:07:29	93.8	98.2	91.7	91.7	94.0	91.0	102.7	102.7	98.7	
21		14/09/2013	22:07:30	85.8	99.6	95.5	93.8	96.0	91.3	103.3	103.3	99.4	
22		14/09/2013	22:07:31	91.2	100.0	97.2	91.1	97.7	92.0	104.1	104.1	100.5	
23		14/09/2013	22:07:32	87.3	99.5	92.6	92.9	96.8	90.8	103.2	103.2	100.2	
24		14/09/2013	22:07:33	92.4	94.9	89.3	91.4	97.7	91.1	102.6	102.6	100.4	
25		14/09/2013	22:07:34	96.6	98.3	92.1	92.1	91.2	89.0	101.7	101.7	96.8	
26		14/09/2013	22:07:35	92.6	98.9	89.9	93.4	98.3	91.9	103.3	103.3	100.8	
27		14/09/2013	22:07:36	93.4	94.0	96.1	93.5	92.9	89.2	102.6	102.6	98.2	
28		14/09/2013	22:07:37	97.3	94.6	93.1	92.9	91.2	89.0	101.0	101.0	96.6	
29		14/09/2013	22:07:38	92.1	93.4	94.5	91.9	99.0	92.1	104.4	104.4	101.8	
30		14/09/2013	22:07:39	90.3	103.6	90.7	96.8	94.7	89.9	106.6	106.6	100.0	
31		14/09/2013	22:07:40	90.1	100.3	95.1	89.5	92.7	90.4	103.7	103.7	97.8	
32		14/09/2013	22:07:41	88.2	103.6	96.8	93.1	96.9	90.1	104.0	104.0	100.2	
33		14/09/2013	22:07:42	90.1	102.3	97.5	90.5	93.9	87.0	104.1	104.1	97.4	
34		14/09/2013	22:07:43	94.0	103.3	92.0	97.9	96.3	92.1	105.6	105.6	101.0	
35		14/09/2013	22:07:44	83.2	103.1	96.0	97.4	97.7	91.5	104.9	104.9	101.1	
36		14/09/2013	22:07:45	96.6	100.2	91.6	97.7	98.1	92.9	104.7	104.7	101.3	
37		14/09/2013	22:07:46	99.5	97.5	90.8	93.5	97.2	94.2	103.8	103.8	100.8	
38		14/09/2013	22:07:47	94.7	99.1	92.5	92.6	97.9	93.9	103.3	103.3	101.5	
39		14/09/2013	22:07:48	92.9	97.7	94.8	90.9	93.9	92.5	104.5	104.5	99.5	
40		14/09/2013	22:07:49	91.7	94.6	96.3	91.7	95.6	93.0	102.8	102.8	100.4	
41		14/09/2013	22:07:50	88.2	96.4	95.2	96.4	94.1	89.9	103.3	103.3	99.5	
42		14/09/2013	22:07:51	96.3	94.2	90.5	94.3	99.4	90.1	103.2	103.2	101.4	
43		14/09/2013	22:07:52	93.6	95.4	89.5	91.9	95.4	91.5	101.9	101.9	99.5	
44		14/09/2013	22:07:53	95.7	99.1	91.9	94.1	95.8	93.1	102.1	102.1	100.0	
45		14/09/2013	22:07:54	96.7	96.3	91.5	91.8	98.4	90.2	102.7	102.7	100.0	

46		14/09/2013	22:07:55	90.6	95.1	93.2	93.9	96.5	91.2	102.7	102.7	99.7	
47		14/09/2013	22:07:56	96.5	93.2	88.9	89.2	91.9	87.8	100.2	100.2	96.2	
48		14/09/2013	22:07:57	90.7	95.1	92.8	93.9	99.0	88.8	103.7	103.7	100.4	
49		14/09/2013	22:07:58	96.1	95.4	88.3	92.0	92.0	90.7	102.3	102.3	97.3	
50		14/09/2013	22:07:59	92.6	93.8	94.5	91.5	98.6	91.1	102.9	102.9	100.6	
51		14/09/2013	22:08:00	89.5	100.9	91.0	91.0	94.9	91.3	103.5	103.5	100.1	
52		14/09/2013	22:08:01	86.8	97.5	93.3	89.3	98.9	91.7	104.2	104.2	100.7	
53		14/09/2013	22:08:02	88.8	100.3	94.5	93.5	92.8	91.9	102.6	102.6	98.8	
54		14/09/2013	22:08:03	88.4	98.1	93.4	93.1	96.1	92.9	103.1	103.1	100.2	
55		14/09/2013	22:08:04	91.4	97.6	90.4	91.9	95.2	89.4	101.1	101.1	98.3	
56		14/09/2013	22:08:05	95.5	96.9	87.7	91.0	91.6	89.9	100.9	100.9	96.9	
57		14/09/2013	22:08:06	92.8	97.1	91.8	94.3	94.1	90.0	101.3	101.3	98.7	
58		14/09/2013	22:08:07	93.9	97.4	91.2	93.8	94.1	88.8	103.0	103.0	97.8	
59		14/09/2013	22:08:08	95.8	94.0	94.7	91.5	92.9	88.9	101.1	101.1	97.1	
60		14/09/2013	22:08:09	87.9	95.6	92.3	90.5	98.2	91.0	103.6	103.6	100.5	
61		14/09/2013	22:08:10	89.9	100.2	93.9	95.2	95.2	89.2	103.6	103.6	99.1	
62		14/09/2013	22:08:11	93.9	102.2	90.4	89.3	93.5	90.1	103.0	103.0	97.8	
63		14/09/2013	22:08:12	85.6	98.5	97.7	91.6	96.9	89.1	103.7	103.7	99.8	
64		14/09/2013	22:08:13	87.6	102.9	92.5	90.9	93.0	86.5	104.5	104.5	98.0	
65		14/09/2013	22:08:14	90.7	102.4	95.1	98.8	93.9	89.2	105.9	105.9	100.0	
66		14/09/2013	22:08:15	87.2	103.6	94.9	95.8	96.6	90.1	104.6	104.6	100.0	
67		14/09/2013	22:08:16	95.7	98.6	92.2	96.8	96.8	91.2	104.0	104.0	100.2	
68		14/09/2013	22:08:17	96.8	94.3	87.5	91.5	97.6	91.8	102.3	102.3	100.0	
69		14/09/2013	22:08:18	95.3	95.5	94.5	91.0	99.3	93.7	103.2	103.2	101.5	
70		14/09/2013	22:08:19	90.1	103.6	91.5	95.0	95.9	90.7	105.5	105.5	100.5	
71		14/09/2013	22:08:20	93.2	100.0	90.8	100.2	97.6	92.7	106.3	106.3	103.4	
72		14/09/2013	22:08:21	98.3	101.0	91.5	95.1	95.1	93.2	102.8	102.8	100.5	
73		14/09/2013	22:08:22	97.4	95.7	95.3	96.3	102.1	94.0	104.9	104.9	103.4	
74		14/09/2013	22:08:23	94.8	98.7	90.0	89.0	97.6	90.1	102.3	102.3	99.6	
75		14/09/2013	22:08:24	97.6	96.9	91.9	93.2	97.9	91.6	103.3	103.3	100.2	
76		14/09/2013	22:08:25	97.5	97.2	94.7	95.6	94.1	93.7	102.5	102.5	100.3	
77		14/09/2013	22:08:26	96.4	97.1	86.9	89.2	89.5	94.0	102.1	102.1	98.5	
78		14/09/2013	22:08:27	95.5	91.5	90.3	91.9	96.2	94.0	101.9	101.9	100.1	
79		14/09/2013	22:08:28	91.3	93.2	92.8	90.6	93.4	93.4	102.4	102.4	98.8	
80		14/09/2013	22:08:29	95.6	91.8	85.1	89.3	92.6	93.2	101.9	101.9	98.7	
81		14/09/2013	22:08:30	95.0	96.1	89.9	91.2	93.9	90.7	101.5	101.5	97.8	
82		14/09/2013	22:08:31	95.0	101.1	90.3	91.8	91.1	91.8	102.4	102.4	98.0	
83		14/09/2013	22:08:32	95.2	94.0	88.4	92.2	93.9	91.9	102.2	102.2	98.5	
84		14/09/2013	22:08:33	90.8	97.2	92.1	91.5	91.7	91.9	101.8	101.8	97.9	
85		14/09/2013	22:08:34	96.8	95.9	88.2	92.5	92.7	91.1	101.0	101.0	98.0	
86		14/09/2013	22:08:35	90.5	98.6	90.0	92.6	90.4	91.3	100.9	100.9	97.6	
87		14/09/2013	22:08:36	95.3	95.8	87.9	93.2	91.4	91.4	101.1	101.1	97.7	
88		14/09/2013	22:08:37	94.1	98.1	91.1	87.8	94.6	90.8	100.4	100.4	98.0	
89		14/09/2013	22:08:38	93.6	99.2	89.1	88.0	89.2	91.1	103.1	103.1	96.3	
90		14/09/2013	22:08:39	95.2	91.8	89.4	85.2	100.9	90.1	103.1	103.1	100.9	
91		14/09/2013	22:08:40	90.1	96.2	89.5	92.0	93.2	89.1	101.6	101.6	97.6	
92		14/09/2013	22:08:41	96.9	94.4	89.9	89.3	93.0	92.0	101.0	101.0	98.2	
93		14/09/2013	22:08:42	94.3	97.0	88.5	90.7	94.4	93.7	100.8	100.8	98.8	
94		14/09/2013	22:08:43	96.0	95.1	92.2	89.8	95.2	90.4	100.8	100.8	98.1	

95		14/09/2013	22:08:44	93.7	97.3	92.5	89.8	93.4	92.3	101.7	101.7	98.7	
96		14/09/2013	22:08:45	93.3	98.5	90.9	88.5	91.5	92.1	101.0	101.0	97.4	
97		14/09/2013	22:08:46	88.1	100.6	90.2	91.2	94.6	92.6	103.1	103.1	99.0	
98		14/09/2013	22:08:47	97.0	98.5	89.7	87.9	95.8	92.8	103.3	103.3	99.0	
99		14/09/2013	22:08:48	96.0	93.5	91.1	88.8	92.1	91.8	101.1	101.1	97.9	
100		14/09/2013	22:08:49	95.9	98.4	94.5	90.8	93.7	91.8	103.5	103.5	98.6	
101		14/09/2013	22:08:50	95.3	93.0	90.0	88.4	90.5	90.3	98.0	98.0	96.3	
102		14/09/2013	22:08:51	98.1	90.1	86.7	81.7	88.0	87.1	99.2	99.2	92.9	
103		14/09/2013	22:08:52	81.1	99.5	89.8	87.0	94.9	94.4	102.5	102.5	99.6	
104		14/09/2013	22:08:53	95.5	93.6	90.0	99.7	93.8	90.6	102.7	102.7	99.8	
105		14/09/2013	22:08:54	94.2	94.8	91.5	97.4	93.1	89.4	102.5	102.5	98.9	
106	Pause	14/09/2013	22:08:55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
107		14/09/2013	22:08:54	94.2	94.8	91.5	97.4	93.1	89.4	102.5	102.5	98.9	Excluded (stop)
108	Stop	14/09/2013	22:08:56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
			Average:	93.2	97.4	92.0	92.4	94.8	91.2	102.7	102.7	99.2	

Appendix 10 - Intrusive levels Raw Data – From Beer Garden – After 10pm

Record #	Record Type	Date	Time	63.0	125	250	500	1000	2000	dB(lin)	dBc	dBa	Notes:
1	Run	14/09/2013	22:11:56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (start)
2		14/09/2013	22:11:56	67.2	62.9	60.4	59.1	56.2	50.0	72.7	72.7	61.6	
3		14/09/2013	22:11:57	69.0	68.4	57.7	57.7	52.7	50.8	70.9	70.9	60.2	
4		14/09/2013	22:11:58	68.9	66.6	56.4	55.3	52.0	52.5	69.7	69.7	59.2	
5		14/09/2013	22:11:59	71.4	69.5	58.9	56.1	55.2	51.6	72.7	72.7	60.8	
6		14/09/2013	22:12:00	65.0	65.5	58.4	56.3	51.7	51.5	72.8	72.8	59.6	
7		14/09/2013	22:12:01	69.2	69.1	60.0	55.7	55.8	52.1	70.8	70.8	60.7	
8		14/09/2013	22:12:02	62.4	65.9	61.0	53.5	56.3	52.2	68.8	68.8	60.1	
9		14/09/2013	22:12:03	65.5	66.5	62.5	53.3	52.6	52.2	69.6	69.6	59.1	
10		14/09/2013	22:12:04	66.7	67.8	59.6	53.5	54.0	52.2	67.8	67.8	59.2	
11		14/09/2013	22:12:05	67.1	67.6	57.2	55.2	58.5	48.2	72.4	72.4	60.8	
12		14/09/2013	22:12:06	69.6	68.2	63.7	52.8	53.3	48.8	73.4	73.4	60.2	
13		14/09/2013	22:12:07	71.5	68.7	59.8	56.0	52.0	49.8	72.0	72.0	59.4	
14		14/09/2013	22:12:08	66.5	66.2	60.1	56.6	55.2	50.1	73.0	73.0	60.2	
15		14/09/2013	22:12:09	70.6	66.6	57.6	54.6	52.5	50.9	68.5	68.5	58.6	
16		14/09/2013	22:12:10	67.1	67.1	61.1	55.4	53.8	52.2	71.5	71.5	60.0	
17		14/09/2013	22:12:11	66.9	67.6	59.0	57.8	56.4	52.7	69.8	69.8	60.5	
18		14/09/2013	22:12:12	65.9	65.4	62.1	57.9	53.8	49.7	72.4	72.4	59.9	
19		14/09/2013	22:12:13	66.8	70.9	61.1	51.2	54.0	52.2	71.2	71.2	60.2	
20		14/09/2013	22:12:14	64.4	70.4	63.9	55.3	55.2	49.2	71.2	71.2	60.3	
21		14/09/2013	22:12:15	59.1	71.9	60.2	52.8	55.7	51.6	74.1	74.1	61.4	
22		14/09/2013	22:12:16	63.8	67.4	59.8	61.2	56.0	51.5	69.8	69.8	61.2	
23		14/09/2013	22:12:17	68.2	69.7	60.9	59.9	55.6	51.8	71.8	71.8	61.1	
24		14/09/2013	22:12:18	69.0	67.2	58.2	54.9	55.8	54.0	71.9	71.9	61.1	
25		14/09/2013	22:12:19	66.8	67.0	59.6	51.8	55.9	56.0	71.7	71.7	61.4	
26		14/09/2013	22:12:20	65.5	68.5	60.2	51.6	53.0	53.9	71.4	71.4	60.1	
27		14/09/2013	22:12:21	68.8	68.4	58.2	51.9	53.0	54.1	70.3	70.3	60.0	
28		14/09/2013	22:12:22	67.9	64.4	57.6	53.9	51.6	54.8	69.0	69.0	59.9	
29		14/09/2013	22:12:23	68.0	66.6	57.9	52.7	61.6	51.7	69.4	69.4	62.9	
30		14/09/2013	22:12:24	69.8	66.8	56.1	51.5	56.8	51.9	71.9	71.9	59.8	
31		14/09/2013	22:12:25	70.5	68.0	59.8	50.1	53.4	51.6	71.8	71.8	59.7	
32		14/09/2013	22:12:26	65.2	65.3	58.1	52.1	55.6	51.3	70.7	70.7	59.2	
33		14/09/2013	22:12:27	66.2	64.6	58.5	58.0	54.3	49.8	71.3	71.3	59.8	
34		14/09/2013	22:12:28	68.0	63.3	55.5	51.9	49.0	49.9	70.6	70.6	57.2	
35		14/09/2013	22:12:29	70.9	64.0	54.9	54.9	55.1	51.5	69.0	69.0	59.3	
36		14/09/2013	22:12:30	69.5	68.1	59.5	56.9	50.2	50.1	72.1	72.1	59.1	
37		14/09/2013	22:12:31	65.0	64.9	56.3	52.2	50.5	52.2	71.1	71.1	58.2	
38		14/09/2013	22:12:32	67.3	67.8	57.5	52.8	52.8	51.5	70.3	70.3	59.2	
39		14/09/2013	22:12:33	61.5	61.9	58.3	53.0	54.9	53.1	66.0	66.0	59.4	
40		14/09/2013	22:12:34	64.1	65.8	60.8	53.8	54.1	49.9	69.3	69.3	58.9	
41		14/09/2013	22:12:35	67.3	65.3	59.0	53.5	52.6	51.6	68.8	68.8	58.9	
42		14/09/2013	22:12:36	69.9	66.1	56.7	52.8	52.7	52.8	69.6	69.6	59.3	
43		14/09/2013	22:12:37	66.8	67.6	58.0	55.2	53.2	51.6	70.2	70.2	59.3	
44		14/09/2013	22:12:38	69.0	65.0	56.7	56.3	55.3	51.4	70.9	70.9	59.8	
45		14/09/2013	22:12:39	67.1	66.1	59.6	60.5	53.4	50.0	71.8	71.8	60.1	

46		14/09/2013	22:12:40	64.0	65.4	57.5	56.9	50.1	50.4	69.9	69.9	58.1	
47		14/09/2013	22:12:41	67.9	63.5	57.7	55.6	52.9	52.9	69.8	69.8	60.0	
48		14/09/2013	22:12:42	67.8	66.8	59.6	55.9	55.4	52.3	70.3	70.3	60.2	
49		14/09/2013	22:12:43	65.4	67.8	60.2	53.9	53.1	49.3	71.4	71.4	58.7	
50		14/09/2013	22:12:44	66.4	68.9	61.6	50.7	54.0	52.1	69.6	69.6	60.2	
51		14/09/2013	22:12:45	67.2	69.9	60.4	56.6	53.5	49.3	70.7	70.7	59.7	
52		14/09/2013	22:12:46	61.7	68.9	62.2	52.8	54.9	51.6	71.1	71.1	60.9	
53		14/09/2013	22:12:47	63.9	64.1	62.4	58.9	54.4	51.7	68.4	68.4	60.5	
54		14/09/2013	22:12:48	61.0	69.3	63.9	57.3	54.2	51.1	71.4	71.4	60.4	
55	Pause	14/09/2013	22:12:49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (traffic)
56	Resume	14/09/2013	22:13:10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (traffic)
57		14/09/2013	22:13:10	70.3	63.8	57.1	53.7	52.8	51.8	69.9	69.9	58.5	
58		14/09/2013	22:13:11	69.5	67.0	57.0	50.1	59.0	51.8	69.5	69.5	60.9	
59		14/09/2013	22:13:12	67.4	67.5	56.7	51.7	54.2	52.3	72.9	72.9	59.4	
60		14/09/2013	22:13:13	67.4	67.4	56.7	51.6	50.6	53.0	70.3	70.3	58.6	
61		14/09/2013	22:13:14	64.6	65.2	56.9	53.2	54.8	54.1	69.7	69.7	59.5	
62		14/09/2013	22:13:15	66.6	62.7	58.2	52.8	52.9	53.8	71.7	71.7	60.0	
63		14/09/2013	22:13:16	69.4	64.4	55.8	53.9	53.8	52.7	70.3	70.3	59.1	
64		14/09/2013	22:13:17	70.0	65.5	59.5	52.6	51.8	53.7	70.1	70.1	59.1	
65		14/09/2013	22:13:18	67.6	63.0	55.1	51.6	52.2	54.2	68.5	68.5	59.1	
66		14/09/2013	22:13:19	65.4	68.0	54.8	52.1	52.2	54.4	73.5	73.5	59.8	
67		14/09/2013	22:13:20	68.9	68.8	59.5	52.0	50.7	53.8	70.4	70.4	59.6	
68		14/09/2013	22:13:21	64.2	63.7	58.3	55.2	50.1	52.5	68.0	68.0	58.7	
69		14/09/2013	22:13:22	68.1	69.4	58.2	51.9	51.3	52.7	70.6	70.6	58.8	
70		14/09/2013	22:13:23	67.4	61.1	57.9	50.9	48.2	48.3	64.6	64.6	55.5	
71		14/09/2013	22:13:24	64.8	66.9	61.2	53.3	48.7	52.5	68.7	68.7	59.5	
72		14/09/2013	22:13:25	65.9	66.7	56.5	51.4	54.6	55.2	69.6	69.6	60.2	
73		14/09/2013	22:13:26	65.8	63.6	60.0	55.9	50.6	50.4	70.4	70.4	58.8	
74		14/09/2013	22:13:27	66.9	63.9	58.8	54.0	56.9	50.8	71.8	71.8	60.6	
75		14/09/2013	22:13:28	70.5	65.0	59.1	55.1	54.5	52.9	71.9	71.9	60.2	
76		14/09/2013	22:13:29	69.8	66.8	57.6	54.0	52.6	50.9	69.7	69.7	58.6	
77		14/09/2013	22:13:30	69.3	68.6	60.6	55.4	54.6	50.8	71.2	71.2	60.0	
78		14/09/2013	22:13:31	68.2	67.5	56.9	52.7	59.1	50.9	73.1	73.1	61.1	
79		14/09/2013	22:13:32	66.7	67.1	66.2	57.7	50.9	50.4	71.7	71.7	60.4	
80		14/09/2013	22:13:33	69.4	65.1	58.4	53.0	54.9	51.3	68.7	68.7	59.0	
81		14/09/2013	22:13:34	67.3	64.4	61.4	56.3	51.8	51.7	71.9	71.9	60.2	
82		14/09/2013	22:13:35	65.7	66.0	59.5	58.5	56.7	50.4	69.0	69.0	60.8	
83		14/09/2013	22:13:36	62.7	68.0	63.2	58.6	54.4	52.3	70.5	70.5	60.3	
84		14/09/2013	22:13:37	65.2	69.8	58.5	52.5	53.3	53.6	69.8	69.8	59.8	
85		14/09/2013	22:13:38	59.2	63.9	58.7	54.1	54.2	50.0	70.5	70.5	58.6	
86		14/09/2013	22:13:39	66.1	68.6	64.8	57.0	50.8	48.5	70.9	70.9	59.3	
87		14/09/2013	22:13:40	63.0	65.7	57.5	58.9	47.6	50.5	69.0	69.0	58.6	
88		14/09/2013	22:13:41	68.6	63.2	60.6	54.0	50.4	51.6	69.7	69.7	59.2	
89		14/09/2013	22:13:42	66.2	66.6	58.6	62.2	49.7	55.2	71.1	71.1	62.1	
90		14/09/2013	22:13:43	66.6	67.8	59.5	58.5	49.1	50.8	69.1	69.1	58.7	
91		14/09/2013	22:13:44	65.1	68.3	61.3	56.2	52.2	50.1	70.1	70.1	59.8	
92		14/09/2013	22:13:45	65.2	65.6	58.0	61.4	50.1	48.4	70.2	70.2	60.3	
93		14/09/2013	22:13:46	63.5	67.2	61.9	58.8	52.1	50.1	72.6	72.6	60.6	

94		14/09/2013	22:13:47	68.1	68.7	61.1	59.5	54.8	51.9	71.5	71.5	61.1	
95		14/09/2013	22:13:48	66.8	64.9	59.8	56.4	57.8	55.7	69.8	69.8	62.3	
96		14/09/2013	22:13:49	68.3	64.8	59.1	53.8	52.9	52.3	70.2	70.2	59.8	
97		14/09/2013	22:13:50	62.4	68.4	63.8	58.8	54.3	51.5	69.1	69.1	61.1	
98		14/09/2013	22:13:51	68.7	68.5	61.7	58.0	53.0	51.3	72.3	72.3	60.6	
99		14/09/2013	22:13:52	68.0	67.0	57.8	58.2	51.9	53.7	70.4	70.4	60.6	
100		14/09/2013	22:13:53	68.0	62.7	59.0	53.1	58.0	55.8	70.0	70.0	61.8	
101		14/09/2013	22:13:54	68.6	68.0	59.4	53.4	53.8	53.8	72.4	72.4	61.1	
102		14/09/2013	22:13:55	65.3	62.8	63.6	54.6	54.4	53.1	67.2	67.2	59.8	
103		14/09/2013	22:13:56	68.0	66.9	60.7	58.6	55.7	53.5	69.8	69.8	61.3	
104		14/09/2013	22:13:57	69.3	68.0	57.6	60.2	58.5	54.9	72.7	72.7	63.4	
105		14/09/2013	22:13:58	69.7	69.5	59.7	57.4	56.9	55.7	70.9	70.9	62.1	
106	Pause	14/09/2013	22:13:58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
107		14/09/2013	22:13:58	69.7	69.5	59.7	57.4	56.9	55.7	70.9	70.9	62.1	Excluded (stop)
108	Stop	14/09/2013	22:16:18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Excluded (stop)
			Average	66.9	66.6	59.3	55.0	53.6	51.9	70.5	70.5	59.9	