

Appendix F

Noise Measurement Data

Summary

File Name	LxT_Data.025
Serial Number	0004615
Model	SoundTrack LxT®
Firmware Version	2.301
User	Meade
Location	Location # 1 Nearest Neighbor
Job Description	Beckman Fullerton
Note	

Measurement Description

Start	2016-07-13 12:43:24
Stop	2016-07-13 13:13:27
Duration	00:30:03.2
Run Time	00:30:03.2
Pause	00:00:00.0
Pre Calibration	2016-07-13 12:35:47
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1
Microphone Correction	Off
Integration Method	Linear
Overload	143.4 dB
	A C Z

Results

LAeq	49.3 dB
LAE	81.9 dB
EA	17.015 $\mu\text{Pa}^2\text{h}$
EA8	271.750 $\mu\text{Pa}^2\text{h}$

EA40	1.359 mPa ² h	
LApeak (max)	2016-07-13 13:11:49	84.9 dB
LASmax	2016-07-13 13:11:24	58.8 dB
LASmin	2016-07-13 13:02:31	46.6 dB
LCeq	64.2 dB	
LAeq	49.3 dB	
LCeq - LAeq	14.9 dB	
LAleq	51.4 dB	
LAeq	49.3 dB	
LAleq - LAeq	2.1 dB	
# Overloads	0	
Overload Duration	0.0 s	

Statistics

LAS5.00	51.1 dB
LAS10.00	50.5 dB
LAS33.30	49.4 dB
LAS50.00	48.9 dB
LAS66.60	48.4 dB
LAS90.00	47.6 dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRMLxT1	2016-07-13 12:35:47	-49.6

Record #	Date	Time	Run Duration	LAeq	LASmin	LASmin Time	LASmax	LASmax Time
1	2016-07-13	12:43:24	00:01:00.0	49.5	47.6	12:43:49	54.5	12:44:08
2	2016-07-13	12:44:24	00:01:00.0	49.0	47.4	12:44:33	52.8	12:45:20
3	2016-07-13	12:45:24	00:01:00.0	49.3	48.1	12:46:02	52.1	12:45:25
4	2016-07-13	12:46:24	00:01:00.0	48.9	47.9	12:46:27	50.7	12:47:14
5	2016-07-13	12:47:24	00:01:00.0	49.6	48.3	12:47:53	52.4	12:47:30
6	2016-07-13	12:48:24	00:01:00.0	49.8	48.3	12:49:21	53.5	12:49:09
7	2016-07-13	12:49:24	00:01:00.0	50.4	48.8	12:49:31	53.9	12:49:39
8	2016-07-13	12:50:24	00:01:00.0	50.1	48.5	12:51:07	52.5	12:50:31
9	2016-07-13	12:51:24	00:01:00.0	49.6	48.1	12:52:10	50.6	12:51:37
10	2016-07-13	12:52:24	00:01:00.0	49.1	47.7	12:53:23	52.4	12:52:56
11	2016-07-13	12:53:24	00:01:00.0	49.3	47.5	12:53:27	53.6	12:54:18
12	2016-07-13	12:54:24	00:01:00.0	49.4	48.2	12:55:19	51.9	12:54:37
13	2016-07-13	12:55:24	00:01:00.0	49.9	48.1	12:55:46	52.0	12:56:10
14	2016-07-13	12:56:24	00:01:00.0	49.9	48.0	12:56:53	52.0	12:57:06
15	2016-07-13	12:57:24	00:01:00.0	48.8	47.9	12:58:12	51.0	12:57:25
16	2016-07-13	12:58:24	00:01:00.0	48.3	46.9	12:59:24	51.6	12:58:42
17	2016-07-13	12:59:24	00:01:00.0	47.5	46.8	12:59:25	48.8	13:00:14
18	2016-07-13	13:00:24	00:01:00.0	48.0	47.0	13:00:54	49.8	13:00:35
19	2016-07-13	13:01:24	00:01:00.0	48.2	46.7	13:01:59	52.8	13:01:41
20	2016-07-13	13:02:24	00:01:00.0	48.6	46.6	13:02:31	51.5	13:03:19
21	2016-07-13	13:03:24	00:01:00.0	49.2	47.5	13:03:48	52.0	13:03:32
22	2016-07-13	13:04:24	00:01:00.0	49.9	47.5	13:05:13	57.4	13:04:29
23	2016-07-13	13:05:24	00:01:00.0	49.5	47.7	13:05:25	52.1	13:05:51
24	2016-07-13	13:06:24	00:01:00.0	48.8	47.4	13:07:06	51.1	13:06:35
25	2016-07-13	13:07:24	00:01:00.0	48.4	47.0	13:07:50	50.1	13:08:16
26	2016-07-13	13:08:24	00:01:00.0	49.3	47.4	13:09:14	52.5	13:09:01
27	2016-07-13	13:09:24	00:01:00.0	47.6	47.0	13:09:34	48.6	13:10:19
28	2016-07-13	13:10:24	00:01:00.0	50.7	47.1	13:10:57	58.7	13:11:20
29	2016-07-13	13:11:24	00:01:00.0	50.4	47.7	13:11:47	58.8	13:11:24
30	2016-07-13	13:12:24	00:01:00.0	49.6	48.1	13:12:47	52.0	13:12:41
31	2016-07-13	13:13:24	00:00:03.2	48.7	48.5	13:13:27	49.5	13:13:24

Summary

File Name	LxT_Data.026
Serial Number	0004615
Model	SoundTrack LxT®
Firmware Version	2.301
User	Meade
Location	Location # 2 Northern
Job Description	Beckman Fullerton
Note	

Measurement Description

Start	2016-07-13 13:45:22
Stop	2016-07-13 14:15:30
Duration	00:30:08.1
Run Time	00:30:08.1
Pause	00:00:00.0
Pre Calibration	2016-07-13 13:37:50
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1
Microphone Correction	Off
Integration Method	Linear
Overload	143.6 dB
	A C Z

Results

LAeq	65.5 dB
LAE	98.0 dB
EA	708.099 $\mu\text{Pa}^2\text{h}$
EA8	11.279 mPa^2h

EA40		56.394 mPa ² h	
LApeak (max)	2016-07-13 13:47:28		96.0 dB
LASmax	2016-07-13 13:47:29		83.1 dB
LASmin	2016-07-13 13:58:01		50.6 dB
LCeq		75.8 dB	
LAeq		65.5 dB	
LCeq - LAeq		10.4 dB	
LAleq		67.2 dB	
LAeq		65.5 dB	
LAleq - LAeq		1.7 dB	
# Overloads		0	
Overload Duration		0.0 s	

Statistics

LAS5.00	70.0 dB
LAS10.00	68.6 dB
LAS33.30	64.6 dB
LAS50.00	61.8 dB
LAS66.60	59.3 dB
LAS90.00	55.8 dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRMLxT1	2016-07-13 13:37:50	-49.8

Record #	Date	Time	Run Duration	LAeq	LASmin	LASmin Time	LASmax	LASmax Time
1	2016-07-13	13:45:22	00:01:00.0	61.3	54.4	13:45:31	68.3	13:45:37
2	2016-07-13	13:46:22	00:01:00.0	64.0	54.4	13:47:05	69.5	13:47:22
3	2016-07-13	13:47:22	00:01:00.0	71.4	53.3	13:47:57	83.1	13:47:29
4	2016-07-13	13:48:22	00:01:00.0	63.0	54.0	13:49:04	69.8	13:48:53
5	2016-07-13	13:49:22	00:01:00.0	61.0	52.6	13:49:29	68.6	13:49:39
6	2016-07-13	13:50:22	00:01:00.0	66.4	52.1	13:51:02	75.4	13:50:37
7	2016-07-13	13:51:22	00:01:00.0	65.3	54.3	13:51:36	72.2	13:52:14
8	2016-07-13	13:52:22	00:01:00.0	66.2	58.3	13:52:34	72.0	13:53:18
9	2016-07-13	13:53:22	00:01:00.0	66.5	56.7	13:53:43	75.3	13:54:12
10	2016-07-13	13:54:22	00:01:00.0	64.3	54.9	13:55:22	70.4	13:54:56
11	2016-07-13	13:55:22	00:01:00.0	62.4	54.2	13:55:27	68.0	13:55:50
12	2016-07-13	13:56:22	00:01:00.0	64.8	50.7	13:57:08	72.4	13:56:40
13	2016-07-13	13:57:22	00:01:00.0	65.3	50.6	13:58:01	70.3	13:57:47
14	2016-07-13	13:58:22	00:01:00.0	64.4	51.9	13:58:53	72.9	13:59:16
15	2016-07-13	13:59:22	00:01:00.0	64.4	57.6	14:00:04	69.0	13:59:43
16	2016-07-13	14:00:22	00:01:00.0	63.8	55.0	14:00:58	71.5	14:01:13
17	2016-07-13	14:01:22	00:01:00.0	65.4	53.9	14:01:47	70.1	14:02:12
18	2016-07-13	14:02:22	00:01:00.0	63.1	53.3	14:02:46	69.8	14:03:11
19	2016-07-13	14:03:22	00:01:00.0	67.1	57.8	14:03:57	74.5	14:03:30
20	2016-07-13	14:04:22	00:01:00.0	61.2	52.7	14:04:34	66.6	14:05:07
21	2016-07-13	14:05:22	00:01:00.0	62.2	55.1	14:05:24	67.1	14:05:39
22	2016-07-13	14:06:22	00:01:00.0	62.5	54.5	14:07:04	68.7	14:07:22
23	2016-07-13	14:07:22	00:01:00.0	68.6	54.8	14:07:58	77.5	14:07:27
24	2016-07-13	14:08:22	00:01:00.0	68.8	53.8	14:09:02	80.3	14:08:32
25	2016-07-13	14:09:22	00:01:00.0	64.8	54.4	14:09:56	71.2	14:10:16
26	2016-07-13	14:10:22	00:01:00.0	67.8	55.7	14:10:37	76.8	14:11:15
27	2016-07-13	14:11:22	00:01:00.0	61.8	54.3	14:11:46	70.8	14:11:25
28	2016-07-13	14:12:22	00:01:00.0	64.1	56.4	14:12:51	70.4	14:12:56
29	2016-07-13	14:13:22	00:01:00.0	66.1	55.1	14:13:37	75.8	14:13:59
30	2016-07-13	14:14:22	00:01:00.0	64.3	56.0	14:15:22	70.4	14:14:47
31	2016-07-13	14:15:22	00:00:08.1	57.2	55.4	14:15:24	58.9	14:15:30

Summary

File Name	LxT_Data.027
Serial Number	0004615
Model	SoundTrack LxT®
Firmware Version	2.301
User	Meade
Location	Location # 3 Eastern
Job Description	Beckman Fullerton
Note	

Measurement Description

Start	2016-07-13 14:27:45
Stop	2016-07-13 14:57:49
Duration	00:30:04.7
Run Time	00:30:04.7
Pause	00:00:00.0
Pre Calibration	2016-07-13 14:26:30
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1
Microphone Correction	Off
Integration Method	Linear
Overload	143.4 dB
	A C Z

Results

LAeq	48.2 dB
LAE	80.8 dB
EA	13.228 $\mu\text{Pa}^2\text{h}$
EA8	211.104 $\mu\text{Pa}^2\text{h}$

EA40	1.056 mPa ² h	
LApeak (max)	2016-07-13 14:30:11	88.5 dB
LASmax	2016-07-13 14:29:48	59.9 dB
LASmin	2016-07-13 14:39:12	43.6 dB
LCeq		68.2 dB
LAeq		48.2 dB
LCeq - LAeq		20.0 dB
LAleq		51.5 dB
LAeq		48.2 dB
LAleq - LAeq		3.3 dB
# Overloads		0
Overload Duration		0.0 s

Statistics

LAS5.00	51.8 dB
LAS10.00	49.9 dB
LAS33.30	47.4 dB
LAS50.00	46.7 dB
LAS66.60	46.2 dB
LAS90.00	45.3 dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRMLxT1	2016-07-13 14:26:28	-49.6

Record #	Date	Time	Run Duration	LAeq	LASmin	LASmin Time	LASmax	LASmax Time
1	2016-07-13	14:27:45	00:01:00.0	45.9	44.9	14:28:43	48.1	14:27:51
2	2016-07-13	14:28:45	00:01:00.0	53.8	45.1	14:28:48	59.8	14:29:38
3	2016-07-13	14:29:45	00:01:00.0	52.9	47.9	14:30:27	59.9	14:29:48
4	2016-07-13	14:30:45	00:01:00.0	51.6	46.6	14:31:45	57.8	14:30:49
5	2016-07-13	14:31:45	00:01:00.0	47.1	45.0	14:32:27	52.5	14:32:11
6	2016-07-13	14:32:45	00:01:00.0	46.0	44.8	14:33:36	47.5	14:33:01
7	2016-07-13	14:33:45	00:01:00.0	46.5	44.4	14:33:57	49.4	14:34:24
8	2016-07-13	14:34:45	00:01:00.0	47.3	45.0	14:35:33	51.1	14:35:11
9	2016-07-13	14:35:45	00:01:00.0	47.4	45.7	14:36:22	53.5	14:36:31
10	2016-07-13	14:36:45	00:01:00.0	47.2	45.5	14:37:22	52.7	14:37:23
11	2016-07-13	14:37:45	00:01:00.0	49.8	45.0	14:38:43	56.0	14:38:10
12	2016-07-13	14:38:45	00:01:00.0	45.9	43.6	14:39:12	49.7	14:39:38
13	2016-07-13	14:39:45	00:01:00.0	46.4	44.5	14:40:08	51.4	14:39:55
14	2016-07-13	14:40:45	00:01:00.0	46.4	44.4	14:40:56	48.9	14:41:32
15	2016-07-13	14:41:45	00:01:00.0	47.6	45.3	14:42:16	50.2	14:42:23
16	2016-07-13	14:42:45	00:01:00.0	46.6	45.6	14:43:40	48.7	14:43:11
17	2016-07-13	14:43:45	00:01:00.0	48.0	45.4	14:43:59	53.1	14:44:25
18	2016-07-13	14:44:45	00:01:00.0	47.6	45.5	14:45:35	52.6	14:45:40
19	2016-07-13	14:45:45	00:01:00.0	48.2	45.2	14:45:52	53.2	14:46:42
20	2016-07-13	14:46:45	00:01:00.0	46.2	44.1	14:47:40	49.6	14:46:45
21	2016-07-13	14:47:45	00:01:00.0	46.2	43.9	14:47:51	48.6	14:48:19
22	2016-07-13	14:48:45	00:01:00.0	47.0	45.5	14:49:30	50.7	14:49:13
23	2016-07-13	14:49:45	00:01:00.0	47.2	45.5	14:50:04	49.2	14:50:41
24	2016-07-13	14:50:45	00:01:00.0	48.6	46.1	14:51:22	53.0	14:50:50
25	2016-07-13	14:51:45	00:01:00.0	47.1	45.1	14:52:02	48.5	14:51:45
26	2016-07-13	14:52:45	00:01:00.0	46.1	44.4	14:53:36	49.0	14:53:24
27	2016-07-13	14:53:45	00:01:00.0	47.0	44.7	14:54:42	52.5	14:54:07
28	2016-07-13	14:54:45	00:01:00.0	46.6	44.4	14:55:09	50.7	14:54:49
29	2016-07-13	14:55:45	00:01:00.0	47.9	45.0	14:56:01	55.7	14:56:21
30	2016-07-13	14:56:45	00:01:00.0	47.2	44.6	14:56:58	55.8	14:57:15
31	2016-07-13	14:57:45	00:00:04.7	46.6	46.2	14:57:48	48.5	14:57:45

Summary

File Name	LxT_Data.028
Serial Number	0004615
Model	SoundTrack LxT®
Firmware Version	2.301
User	Meade
Location	Location # 4 Western
Job Description	Beckman Fullerton
Note	

Measurement Description

Start	2016-07-13 15:28:12
Stop	2016-07-13 15:58:17
Duration	00:30:05.0
Run Time	00:30:05.0
Pause	00:00:00.0
Pre Calibration	2016-07-13 15:27:01
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1
Microphone Correction	Off
Integration Method	Linear
Overload	143.5 dB
	A C Z

Results

LAeq	70.3 dB
LAE	102.8 dB
EA	2.131 mPa ² h
EA8	33.999 mPa ² h

EA40	169.993 mPa ² h	
LApeak (max)	2016-07-13 15:29:22	98.4 dB
LASmax	2016-07-13 15:29:22	83.2 dB
LASmin	2016-07-13 15:40:47	47.9 dB
LCeq	76.5 dB	
LAeq	70.3 dB	
LCeq - LAeq	6.2 dB	
LAleq	72.0 dB	
LAeq	70.3 dB	
LAleq - LAeq	1.7 dB	
# Overloads	0	
Overload Duration	0.0 s	

Statistics

LAS5.00	75.0 dB
LAS10.00	73.9 dB
LAS33.30	70.7 dB
LAS50.00	68.1 dB
LAS66.60	65.3 dB
LAS90.00	55.4 dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRMLxT1	2016-07-13 15:27:01	-49.7

Record #	Date	Time	Run Duration	LAeq	LASmin	LASmin Time	LASmax	LASmax Time
1	2016-07-13	15:28:12	00:01:00.0	71.5	57.3	15:28:14	78.2	15:28:32
2	2016-07-13	15:29:12	00:01:00.0	71.4	51.4	15:30:04	83.2	15:29:22
3	2016-07-13	15:30:12	00:01:00.0	71.5	50.2	15:30:36	79.9	15:30:58
4	2016-07-13	15:31:12	00:01:00.0	67.1	51.2	15:32:03	74.4	15:31:40
5	2016-07-13	15:32:12	00:01:00.0	71.4	54.7	15:32:24	76.9	15:32:37
6	2016-07-13	15:33:12	00:01:00.0	70.0	57.6	15:33:29	76.4	15:33:40
7	2016-07-13	15:34:12	00:01:00.0	67.1	56.5	15:34:58	73.2	15:34:43
8	2016-07-13	15:35:12	00:01:00.0	72.7	58.3	15:35:19	77.5	15:35:36
9	2016-07-13	15:36:12	00:01:00.0	69.1	51.9	15:37:05	75.7	15:36:14
10	2016-07-13	15:37:12	00:01:00.0	70.6	49.7	15:37:19	76.3	15:37:55
11	2016-07-13	15:38:12	00:01:00.0	71.7	51.8	15:38:54	79.3	15:38:20
12	2016-07-13	15:39:12	00:01:00.0	69.8	50.4	15:39:45	75.3	15:40:09
13	2016-07-13	15:40:12	00:01:00.0	66.6	47.9	15:40:47	74.5	15:40:12
14	2016-07-13	15:41:12	00:01:00.0	70.8	53.4	15:41:12	74.6	15:41:19
15	2016-07-13	15:42:12	00:01:00.0	71.3	50.3	15:42:45	83.0	15:42:29
16	2016-07-13	15:43:12	00:01:00.0	71.2	53.6	15:43:18	82.8	15:44:08
17	2016-07-13	15:44:12	00:01:00.0	73.3	62.5	15:44:56	77.9	15:44:30
18	2016-07-13	15:45:12	00:01:00.0	67.1	58.8	15:45:21	73.2	15:45:32
19	2016-07-13	15:46:12	00:01:00.0	66.7	50.5	15:46:20	75.7	15:46:27
20	2016-07-13	15:47:12	00:01:00.0	72.8	58.6	15:48:02	80.1	15:47:36
21	2016-07-13	15:48:12	00:01:00.0	68.9	56.5	15:48:57	75.1	15:48:17
22	2016-07-13	15:49:12	00:01:00.0	66.0	52.1	15:50:05	70.8	15:49:17
23	2016-07-13	15:50:12	00:01:00.0	71.9	64.2	15:50:13	76.7	15:50:19
24	2016-07-13	15:51:12	00:01:00.0	68.3	51.8	15:51:58	74.0	15:51:19
25	2016-07-13	15:52:12	00:01:00.0	68.9	51.3	15:52:22	75.5	15:53:12
26	2016-07-13	15:53:12	00:01:00.0	70.0	51.4	15:54:12	75.7	15:53:12
27	2016-07-13	15:54:12	00:01:00.0	67.5	52.0	15:54:12	73.1	15:54:19
28	2016-07-13	15:55:12	00:01:00.0	71.3	51.4	15:55:34	77.1	15:55:49
29	2016-07-13	15:56:12	00:01:00.0	70.6	58.0	15:57:12	75.1	15:56:38
30	2016-07-13	15:57:12	00:01:00.0	67.0	51.4	15:57:56	78.4	15:58:11
31	2016-07-13	15:58:12	00:00:05.0	67.3	67.5	15:58:16	74.0	15:58:12