

Appendix E Noise Measurement Instrumentation Calibration Records

SOUND LEVEL METERS

CERTIFICATE OF CALIBRATION
20928-7
FOR LARSON DAVIS
PRECISION INTEGRATING AND LOGGING
SOUND LEVEL METER

Model **812** Serial No. **0639**
 ID No. **N/A**
 With Microphone Model **2560** Serial No. **3155**
 With Preamplifier Model **900B** Serial No. **2771**

Customer: **Parsons** P.O. No. **Verbal**
Pasadena, CA 91124

was tested and met Larson Davis specifications at the points tested and
 as outlined in ANSI S1.4-1983 Type 1; IEC 651-1979 Type 1

on **28 JUL 2014** BY **HAROLD LYNCH**
Service Manager

As received condition: Within Specification.
 Re-calibration due on: **28 JUL 2015**

Certified References*				
<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	1049	1314996	12 JUN 2014	12 JUN 2015
B&K	2636	1423390	07 JAN 2014	07 JAN 2015
B&K	4226	2141942	02 DEC 2013	02 DEC 2014
B&K	4231	1770857	19 SEP 2013	19 SEP 2014
HP	34401A	MY45023668	08 FEB 2014	08 FEB 2015
HP	3458A	2823A07179	09 JUL 2014	09 JUL 2015

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
 and ISO 17025, ISO 9001:2008 Certification NQA No. 11252
 *References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
 The data represent both "as found" and "as left" condition.

Reference Test Procedure: **ACCT Procedure 812-820 Version 3.5.1.**

Temperature	Relative Humidity	Barometric Pressure
23°C	37 %	991.73 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed: *Harold Lynch*

ODIN METROLOGY, INC.
 CALIBRATION OF SOUND & VIBRATION INSTRUMENTATION
 3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
 PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION
20928-4
FOR LARSON DAVIS
PRECISION INTEGRATING AND LOGGING
SOUND LEVEL METER

Model **812** Serial No. **0659**
 ID No. **N/A**
 With Microphone Model **2560** Serial No. **3378**
 With Preamplifier Model **PRM828** Serial No. **1901**

Customer: **Parsons** P.O. No. **Verbal**
Pasadena, CA 91124

was tested and met Larson Davis specifications at the points tested and
 as outlined in ANSI S1.4-1983 Type 1; IEC 651-1979 Type 1

on **28 JUL 2014** BY **HAROLD LYNCH**
Service Manager

As received condition: Within Specification.
 Re-calibration due on: **28 JUL 2015**

Certified References*

<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	1049	1314996	12 JUN 2014	12 JUN 2015
B&K	2636	1423390	07 JAN 2014	07 JAN 2015
B&K	4226	2141942	02 DEC 2013	02 DEC 2014
B&K	4231	1770857	19 SEP 2013	19 SEP 2014
HP	34401A	MY45023668	08 FEB 2014	08 FEB 2015
HP	3458A	2823A07179	09 JUL 2014	09 JUL 2015

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
 and ISO 17025, ISO 9001:2008 Certification NQA No. 11252

*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
 The data represent both "as found" and "as left" condition.

Reference Test Procedure: **ACCT Procedure 812-820 Version 3.5.1.**

Temperature 23°C	Relative Humidity 37 %	Barometric Pressure 991.73 hPa
----------------------------	----------------------------------	--

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed: *Harold Lynch*

ODIN METROLOGY, INC.

CALIBRATION OF SOUND & VIBRATION INSTRUMENTATION
 3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
 PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION
20242-4
FOR LARSON DAVIS
PRECISION INTEGRATING AND LOGGING
SOUND LEVEL METER

Model **820** Serial No. **1616**
 ID No. **N/A**
 With Microphone Model **40AQ** Serial No. **16967**
 With Preampfier Model **PRM828** Serial No. **2330**

Customer: **Parsons** P.O. No. **Verbal**
Pasadena, CA 91124

was tested and met factory specifications at the points tested.
 Complies to: ANSI S1.4-1983 Type 1; IEC 651-1979 Type 1

on **30 SEP 2013** BY **HAROLD LYNCH**
Service Manager

As received condition: Within Specification.
 Re-calibration due on: **30 SEP 2014**

Certified References*				
<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	1049	1288946	05 NOV 2012	05 NOV 2013
B&K	2636	1601487	20 MAY 2013	20 MAY 2014
B&K	4226	1774068	14 MAR 2013	14 MAR 2014
B&K	4231	2094472	27 FEB 2013	27 FEB 2014
HP	34401A	3146A74093	14 MAY 2013	14 MAY 2014
HP	3458A	2823A17713	19 JUL 2013	19 JUL 2014

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
 and ISO 17025, ISO 9001:2008 Certification NQA No. 11252
 *References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
 The data represent both "as found" and "as left" condition.

Reference Test Procedure: **ACCT Procedure 812-820 Version 3.5.1.**

Temperature	Relative Humidity	Barometric Pressure
23°C	30 %	987.81 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.
 Signed: *Harold Lynch*

ODIN METROLOGY, INC.
 CALIBRATION OF SOUND & VIBRATION INSTRUMENTATION
 3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
 PHONE: (805) 375-0830 FAX: (805) 375-0405

Certificate of Calibration and Conformance

Instrument Model **820**, Serial Number **1662** was calibrated on May 16, 2013. The instrument meets factory specifications according to The Modal Shop Production Test Procedure PRD-P227, ISO 10012, ANSI S1.4 1983, IEC 651-Type 1 1979, and IEC 804-Type 1 1985.

Instrument found to be in calibration as received: YES

Date Calibrated: May 16, 2013

Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL DUE	TRACEABILITY No.
Larson Davis	LDSigGn/2209	0760 / 0101	12 Months	4/12/2014	2013-172613

Certified Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

AMBIENT TEMPERATURE: 75.2°F

RELATIVE HUMIDITY: 32%

Notes

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at The Modal Shop and/or Larson Davis Corporate Headquarters. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

This calibration complies with ISO 10012. The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

Due to state-of-the-art limitations, 4:1 calibration ratios are not possible on pressure measurement standards, microphones and acoustic calibrators. Calibration ratios for these types of devices are limited to 1:1.

The results documented in this certificate relate only to the item(s) calibrated or tested. Calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of The Modal Shop.

Technician: Tim Rarden
Service Center: The Modal Shop, Inc.


Signature: _____



The Modal Shop
3149 East Kemper Road
Cincinnati, OH 45241
Ph (513) 351-9919
FAX (513) 458-2172

CERTIFICATE OF CALIBRATION
20928-1
FOR LARSON DAVIS
PRECISION INTEGRATING AND LOGGING
SOUND LEVEL METER

Model **812** Serial No. **0638**
 ID No. **N/A**
 With Microphone Model **2560** Serial No. **3159**
 With Preamplifier Model **PRM828** Serial No. **1891**

Customer: **Parsons** P.O. No. **Verbal**
Pasadena, CA 91124

was tested and met Larson Davis specifications at the points tested and
 as outlined in ANSI S1.4-1983 Type 1; IEC 651-1979 Type 1

on **28 JUL 2014** BY **HAROLD LYNCH**
Service Manager

As received condition: Within Specification.
 Re-calibration due on: **28 JUL 2015**

Certified References*				
Mfg.	Type	Serial No.	Cal Date	Due Date
B&K	1049	1314996	12 JUN 2014	12 JUN 2015
B&K	2636	1423390	07 JAN 2014	07 JAN 2015
B&K	4226	2141942	02 DEC 2013	02 DEC 2014
B&K	4231	1770857	19 SEP 2013	19 SEP 2014
HP	34401A	MY45023668	08 FEB 2014	08 FEB 2015
HP	3458A	2823A07179	09 JUL 2014	09 JUL 2015

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
 and ISO 17025, ISO 9001:2008 Certification NQA No. 11252
 *References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
 The data represent both "as found" and "as left" condition.

Reference Test Procedure: **ACCT Procedure 812-820 Version 3.5.1.**

Temperature	Relative Humidity	Barometric Pressure
23°C	37 %	991.73 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed: *Harold Lynch*

ODIN METROLOGY, INC.
 CALIBRATION OF SOUND & VIBRATION INSTRUMENTATION
 3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
 PHONE: (805) 375-0830 FAX: (805) 375-0405

Certificate of Calibration and Conformance

Instrument Model **820**, Serial Number **1674** was calibrated on June 26, 2013. The instrument meets factory specifications according to The Modal Shop Production Test Procedure PRD-P227, ISO 10012, ANSI S1.4 1983, IEC 651-Type 1 1979, and IEC 804-Type 1 1985.

Instrument found to be in calibration as received: YES

Date Calibrated: June 26, 2013

Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL DUE	TRACEABILITY NO.
Larson Davis	LDSigGr/2209	0760 / 0101	12 Months	4/12/2014	2013-172613

Certified Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

AMBIENT TEMPERATURE: 75.2°F

RELATIVE 32%

Notes

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at The Modal Shop and/or Larson Davis Corporate Headquarters. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

This calibration complies with ISO 10012. The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

Due to state-of-the-art limitations, 4:1 calibration ratios are not possible on pressure measurement standards, microphones and acoustic calibrators. Calibration ratios for these types of devices are limited to 1:1.

The results documented in this certificate relate only to the item(s) calibrated or tested. Calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of The Modal Shop.

Technician: Tim Rarden
Service Center: The Modal Shop, Inc.


Signature: _____



The Modal Shop
3149 East Kemper Road
Cincinnati, OH 45241
Ph (513) 351-9919
FAX (513) 458-2172

CERTIFICATE OF CALIBRATION

20242-1

FOR LARSON DAVIS

INTEGRATING SOUND LEVEL METER

Model **824** Serial No. **824A3119**
 With Microphone Model **377A02** ID No. **N/A**
 With Preamplifier Model **PRM902** Serial No. **52820**
 Serial No. **3274**

Customer: **Parsons** P.O. No. **Verbal**
Pasadena, CA 91124

was tested and met factory specifications at the points tested.
 Complies to: ANSI S1.4-1983 Type 1: IEC 651-1979 Type 1

on **30 SEP 2013** BY **HAROLD LYNCH**
Service Manager

As received condition: Within Specification.
 Re-calibration due on: **30 SEP 2014**

Certified References*				
Mfg.	Type	Serial No.	Cal Date	Due Date
B&K	1049	1288946	05 NOV 2012	05 NOV 2013
B&K	2636	1601487	20 MAY 2013	20 MAY 2014
B&K	4226	1774068	14 MAR 2013	14 MAR 2014
B&K	4231	2094472	27 FEB 2013	27 FEB 2014
HP	34401A	3146A74093	14 MAY 2013	14 MAY 2014
HP	3458A	2823A17713	19 JUL 2013	19 JUL 2014

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
 and ISO 17025, ISO 9001:2008 Certification NQA No. 11252
 *References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
 The data represent both "as found" and "as left" condition.

Reference Test Procedure: **ACCT Procedure 824 Version 1.9.** Rev Jul 2007

Temperature 23°C	Relative Humidity 30 %	Barometric Pressure 987.81 hPa
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Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed: *Harold Lynch*

ODIN METROLOGY, INC.
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 3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
 PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION
20718-3
FOR LARSON DAVIS PRECISION
INTEGRATING SOUND LEVEL METER

Model **870** Serial No. **870A0128**
 ID No. **N/A**
 With Microphone Model **N/A** Serial No. **N/A**
 With Preamplifier Model **PRM900B** Serial No. **3202**

Customer: **Parsons** P.O. No. **Verbal**
Pasadena, CA 91124

was tested and met specifications per Larson Davis product
 specifications, at the points tested
 and ANSI S1.4.1983 Type 1 Sound Level Meter specifications as listed on data pages

on **14 APR 2014** BY **Harold Lynch**
Service Manager

As received condition: Within Specification.
 Re-calibration due on: **14 APR 2015**

Certified References*				
<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	1049	1288946	04 NOV 2013	04 NOV 2014
B&K	2636	1601487	20 MAY 2013	20 MAY 2014
B&K	4226	1774068	17 MAR 2014	17 MAR 2015
B&K	4231	2094472	26 FEB 2014	26 FEB 2015
HP	34401A	3146A74093	14 MAY 2013	14 MAY 2014
HP	3458A	2823A17713	19 JUL 2013	19 JUL 2014

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
 and ISO 17025, ISO 9001:2008 Certification NQA No. 11252
 *References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
 The data represent both "as found" and "as left" condition.

Reference Test Procedure: **ACCT Procedure 870 Version 1.0 Per IEC 61672-3**
 Rev Jul 2007

Temperature 23°C	Relative Humidity 34 %	Barometric Pressure 990.21 hPa
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Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed: *[Signature]*

ODIN METROLOGY, INC.
 CALIBRATION OF SOUND & VIBRATION INSTRUMENTATION
 3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
 PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION

20718-1

FOR LARSON DAVIS PRECISION INTEGRATING SOUND LEVEL METER

Model 870

Serial No. 870A0344

ID No. N/A

With Microphone Model N/A

Serial No. N/A

With Preamplifier Model PRM900B

Serial No. 3202

Customer: **Parsons**

Pasadena, CA 91124

P.O. No. Verbal

was tested and met specifications per Larson Davis product
specifications, at the points tested
and ANSI S1.4.1983 Type 1 Sound Level Meter specifications as listed on data pages

on **14 APR 2014**

**BY Harold Lynch
Service Manager**

As received condition: Within Specification.

Re-calibration due on: **14 APR 2015**

Certified References*

Mfg.	Type	Serial No.	Cal Date	Due Date
B&K	1049	1288946	04 NOV 2013	04 NOV 2014
B&K	2636	1601487	20 MAY 2013	20 MAY 2014
B&K	4226	1774068	17 MAR 2014	17 MAR 2015
B&K	4231	2094472	26 FEB 2014	26 FEB 2015
HP	34401A	3146A74093	14 MAY 2013	14 MAY 2014
HP	3458A	2823A17713	19 JUL 2013	19 JUL 2014

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
and ISO 17025, ISO 9001:2008 Certification NQA No. 11252

*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.

The data represent both "as found" and "as left" condition.

Reference Test Procedure: ACCT Procedure 870 Version 1.0 Per IEC 61672-3

Rev Jul 2007

Temperature

23°C

Relative Humidity

34 %

Barometric Pressure

990.21 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed:

[Signature]

ODIN METROLOGY, INC.

CALIBRATION OF SOUND & VIBRATION INSTRUMENTATION

3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320

PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION

20718-2

FOR LARSON DAVIS PRECISION INTEGRATING SOUND LEVEL METER

Model 870	Serial No. 870A0555
With Microphone Model N/A	ID No. N/A
With Preamplifier Model PRM900B	Serial No. N/A
	Serial No. 3202

Customer: Parsons	P.O. No. Verbal
Pasadena, CA 91124	

was tested and met specifications per Larson Davis product specifications, at the points tested and ANSI S1.4.1983 Type 1 Sound Level Meter specifications as listed on data pages

on 15 APR 2014	BY Harold Lynch Service Manager
-----------------------	--

As received condition: Within Specification.
Re-calibration due on: **15 APR 2015**

Certified References*				
Mfg.	Type	Serial No.	Cal Date	Due Date
B&K	1049	1288946	04 NOV 2013	04 NOV 2014
B&K	2636	1601487	20 MAY 2013	20 MAY 2014
B&K	4226	1774068	17 MAR 2014	17 MAR 2015
B&K	4231	2094472	26 FEB 2014	26 FEB 2015
HP	34401A	3146A74093	14 MAY 2013	14 MAY 2014
HP	3458A	2823A17713	19 JUL 2013	19 JUL 2014

Performed in Compliance with ANSI, NCSL Z-540-1, 1994 and ISO 17025, ISO 9001:2008 Certification NQA No. 11252
*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
The data represent both "as found" and "as left" condition.

Reference Test Procedure: ACCT Procedure 870 Version 1.0 Per IEC 61672-3 Rev Jul 2007

Temperature 23°C	Relative Humidity 34 %	Barometric Pressure 987.47 hPa
----------------------------	----------------------------------	--

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.
Signed: *Harold Lynch*

ODIN METROLOGY, INC.
CALIBRATION OF SOUND & VIBRATION INSTRUMENTATION
3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
PHONE: (805) 375-0830 FAX: (805) 375-0405

Certificate of Calibration and Conformance

This document certifies that the instrument referenced below meets published specifications per Procedure PRD-P263; ANSI S1.4-1983 (R 2006) Type 1; S1.4A-1985; S1.43-1997 Type 1; S1.11-2004 Octave Band Class 0; S1.25-1991; IEC 61672-2002 Class 1; 60651-2001 Type 1; 60804-2000 Type 1; 61260-2001 Class 0; 61252-2002.

Manufacturer:	Larson Davis	Temperature:	76.4	°F
Model Number:	LxT1		24.67	°C
Serial Number:	2862	Rel. Humidity:	34.5	%
Customer:	TMS Rental	Pressure:	994.1	mbars
Description:	Sound Level Meter		994.1	hPa

Note: As Found / As Left: In Tolerance

Upon receipt for testing, this instrument was found to be:

Within the Stated tolerance of the manufacturer's specification

Calibration Date: 12-Feb-14

Calibration Due:

Calibration Standards Used:

Manufacturer	Model	Serial Number	Cal Due	Traceability No.
Larson Davis	LDSigGen/2239	0760/0109	4/12/2014	2012-161465

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at The Modal Shop and/or Larson Davis Corporate Headquarters. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

This calibration complies with ISO 17025 and ANSI Z540. The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. Calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of The Modal Shop.

Technician: Wayne Underwood

Signature:



The Modal Shop, Inc.
3149 East Kemper Road
Cincinnati, OH 45241
Phone: (513) 351-9919
(800) 860-4867
www.modalshop.com

CERTIFICATE OF CALIBRATION

20718-4

FOR BRÜEL & KJÆR HANDHELD ANALYZER

Model **2250**

Serial No. **2676029**

ID No. **N/A**

With Microphone **4189**

Serial No. **2663101**

With Preamplifier **ZC0032**

ID No. **10769**

Customer: **Parsons**

Pasadena, CA 91124

P.O. No. Verbal

was tested and met factory specifications at the points tested.

Complies to: IEC 61672:2002 Class 1

on **13 APR 2014**

BY HAROLD LYNCH
Service Manager

As received condition: Within Specification.

Re-calibration due on: **13 APR 2015**

Certified References*

<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	1049	1314996	12 JUN 2013	12 JUN 2014
B&K	2636	1423390	07 JAN 2014	07 JAN 2015
B&K	4226	2141942	02 DEC 2013	02 DEC 2014
B&K	4231	1770857	19 SEP 2013	19 SEP 2014
HP	34401A	MY45023668	08 FEB 2014	08 FEB 2015
HP	3458A	2823A07179	08 JUL 2013	08 JUL 2014

Performed in Compliance with ANSI, NCSL Z-540-1, 1994 and ISO 17025,
ISO 9001:2008 Certification NQA No. 11252

*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.

The data represent both "as found" and "as left" conditions.

Reference Test Procedure: **ACCT Procedure 2250-Light-2270 Version 3.2.1. Rev. 1/29/14**

Temperature

23°C

Relative Humidity

32 %

Barometric Pressure

986.66 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed:

Harold Lynch

ODIN METROLOGY, INC.

CALIBRATION OF BRÜEL & KJÆR INSTRUMENTS
3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
PHONE: (805) 375-0830 FAX: (805) 375-0405

MICROPHONES

Certificate of Calibration for Larson Davis 1/2" Random Incidence Microphone

This calibration is performed by comparison with measurement reference standard microphone:

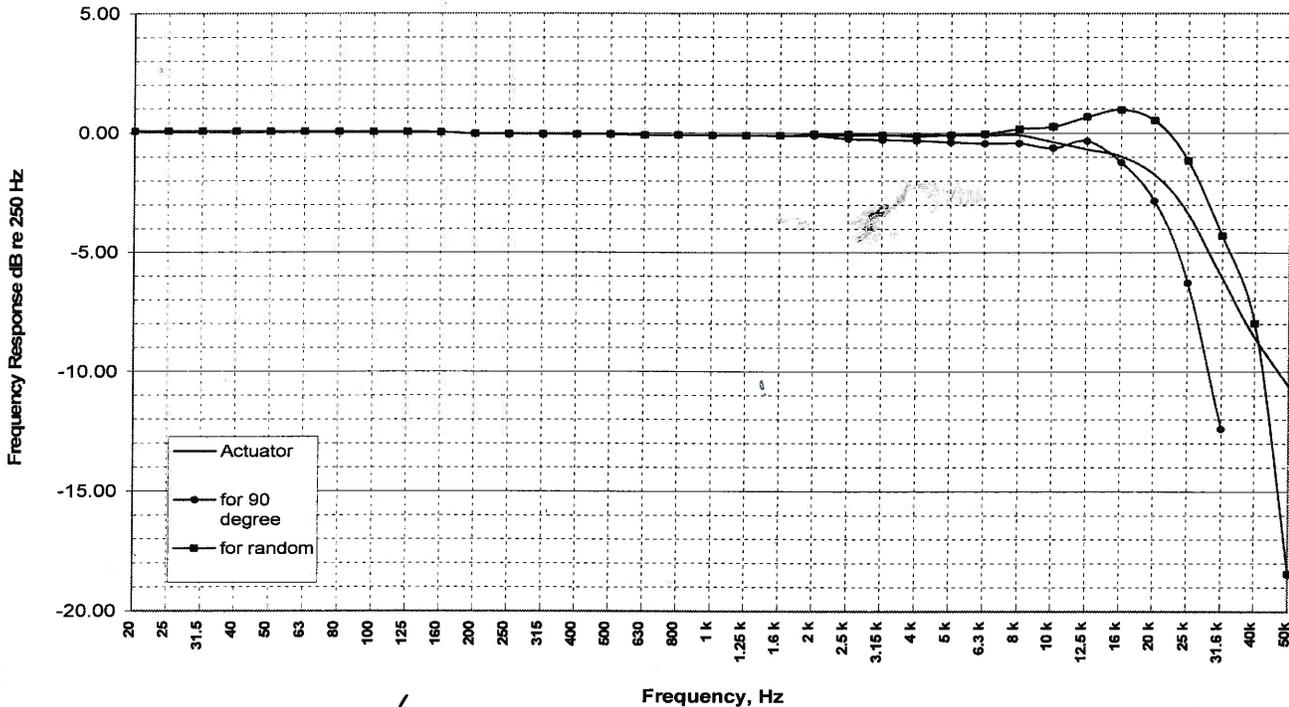
Type no. **2559**
 Serial no. **1785**
 With preamplifier type no. **N/A**
 Preamplifier Serial no. **N/A**
 Submitted by **Parsons**
Pasadena, CA 91124
 Purchase order no. **Verbal**
 Asset no. **N/A**

REFERENCE STANDARDS	
Type No.	4134/UA0825
Serial No.	1866523
Calibrated by	DANAK
Cal Date	23 OCT 2014
Due Date	23 OCT 2016

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): $= \pm 0.13$ dB

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-38.66	dB re 1 V/Pa
	11.67	mV/Pa
Open circuit correction factor K_0	12.7	dB
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

**Microphone Frequency Response Type 2559
S/N 1785 : Measured 20 Jan 2015**



Calibration performed by *Harold Lynch*

Harold Lynch, Service Manager

CONDITION OF TEST		
Ambient Pressure	989.61	hPa
Temperature	23	°C
Relative Humidity	36	%
Polarization Voltage	200	V
Frequency	251.2	Hz
Date of Calibration	20 JAN 2015	
Re-calibration due on	20 JAN 2016	

ODIN METROLOGY, INC.
 3533 OLD CONEJO ROAD, SUITE 125
 THOUSAND OAKS, CA 91320
 PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **TN-638/282477, 2012.**
 Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**

Certificate of Calibration for Larson Davis 1/2" Random Incidence Microphone

This calibration is performed by comparison with measurement reference standard microphone:

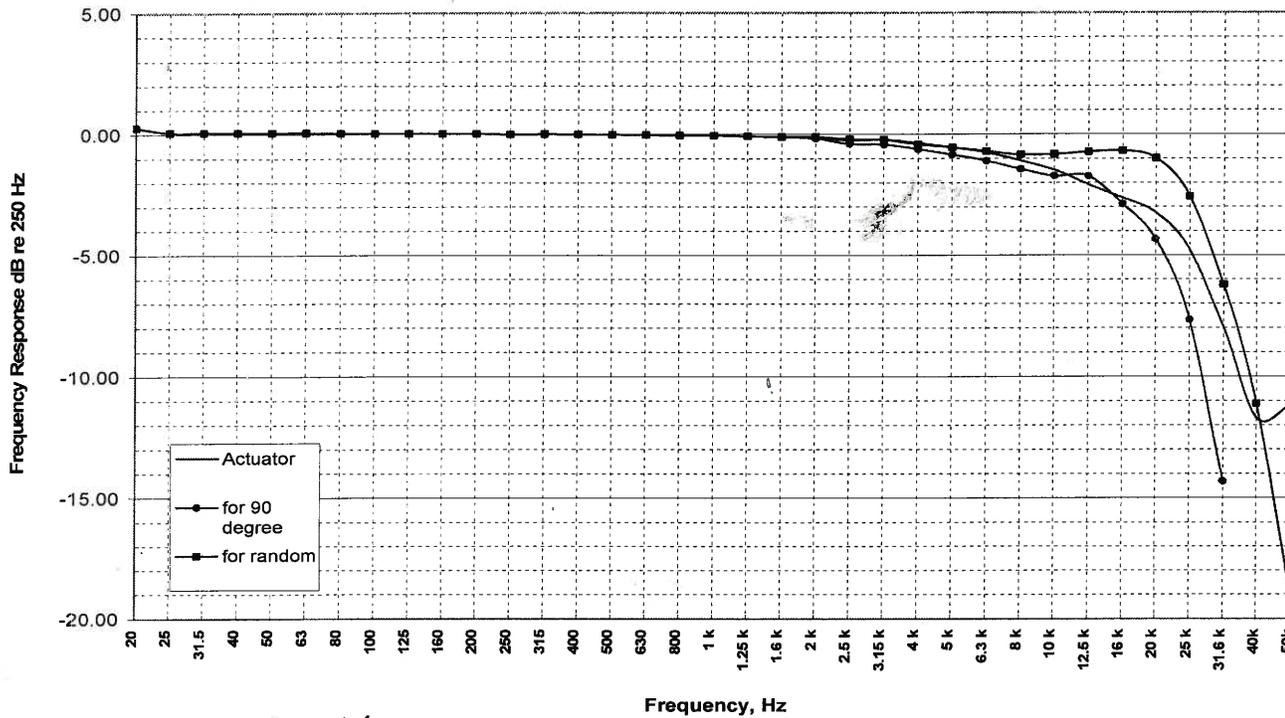
Type no.	2559
Serial no.	2029
With preamplifier type no.	N/A
Preamplifier Serial no.	N/A
Submitted by	Parsons
	Pasadena, CA 91124
Purchase order no.	Verbal
Asset no.	N/A

REFERENCE STANDARDS	
Type No.	4134/UA0825
Serial No.	1866523
Calibrated by	DANAK
Cal Date	23 OCT 2014
Due Date	23 OCT 2016

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-39.11	dB re 1 V/Pa
Open circuit correction factor K_0	11.08	mV/Pa
System sensitivity (with preamplifier) at 251.2 Hz	13.1	dB
	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): $= \pm 0.13$ dB

**Microphone Frequency Response Type 2559
S/N 2029 : Measured 20 Jan 2015**



Calibration performed by *Harold Lynch*

Harold Lynch, Service Manager

CONDITION OF TEST		
Ambient Pressure	989.61	hPa
Temperature	23	°C
Relative Humidity	36	%
Polarization Voltage	200	V
Frequency	251.2	Hz
Date of Calibration	20 JAN 2015	
Re-calibration due on	20 JAN 2016	

ODIN METROLOGY, INC.
3533 OLD CONEJO ROAD, SUITE 125
THOUSAND OAKS, CA 91320
PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **TN-638/282477, 2012.**
Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**

Certificate of Calibration for Larson Davis 1/2" Random Incidence Microphone

This calibration is performed by comparison with measurement reference standard microphone:

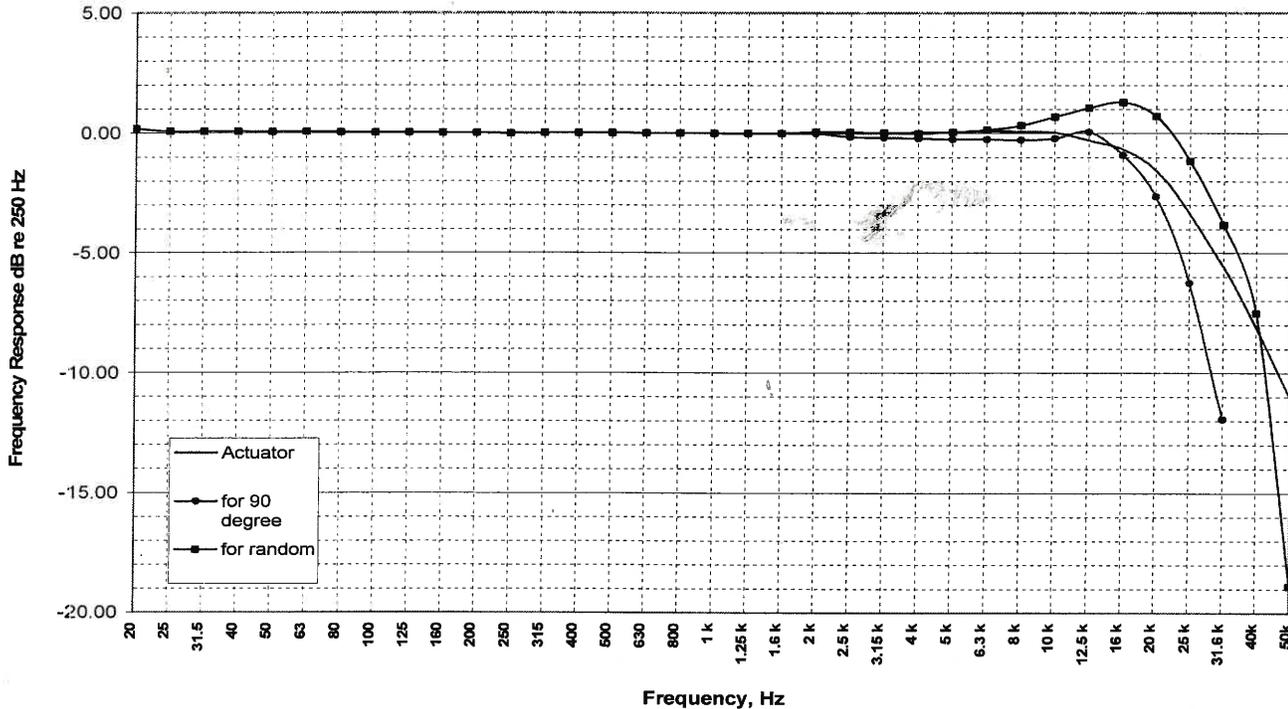
REFERENCE STANDARDS	
Type No.	4134/UA0825
Serial No.	1866523
Calibrated by	DANAK
Cal Date	23 OCT 2014
Due Date	23 OCT 2016

Type no. **2559**
 Serial no. **2141**
 With preamplifier type no. **N/A**
 Preamplifier Serial no. **N/A**
 Submitted by **Parsons Pasadena, CA 91124**
 Purchase order no. **Verbal**
 Asset no. **N/A**

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): ± 0.13 dB

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-39.65	dB re 1 V/Pa
Open circuit correction factor K_0	10.42	mV/Pa
Open circuit correction factor K_0	13.6	dB
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

**Microphone Frequency Response Type 2559
S/N 2141 : Measured 20 Jan 2015**



Calibration performed by *Harold Lynch*

Harold Lynch, Service Manager

CONDITION OF TEST		
Ambient Pressure	989.61	hPa
Temperature	23	°C
Relative Humidity	36	%
Polarization Voltage	200	V
Frequency	251.2	Hz
Date of Calibration	20 JAN 2015	
Re-calibration due on	20 JAN 2016	

ODIN METROLOGY, INC.
 3533 OLD CONEJO ROAD, SUITE 125
 THOUSAND OAKS, CA 91320
 PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **TN-638/282477, 2012.**
 Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**

Certificate of Calibration for Larson Davis 1/2" Random Incidence Microphone

This calibration is performed by comparison with measurement reference standard microphone:

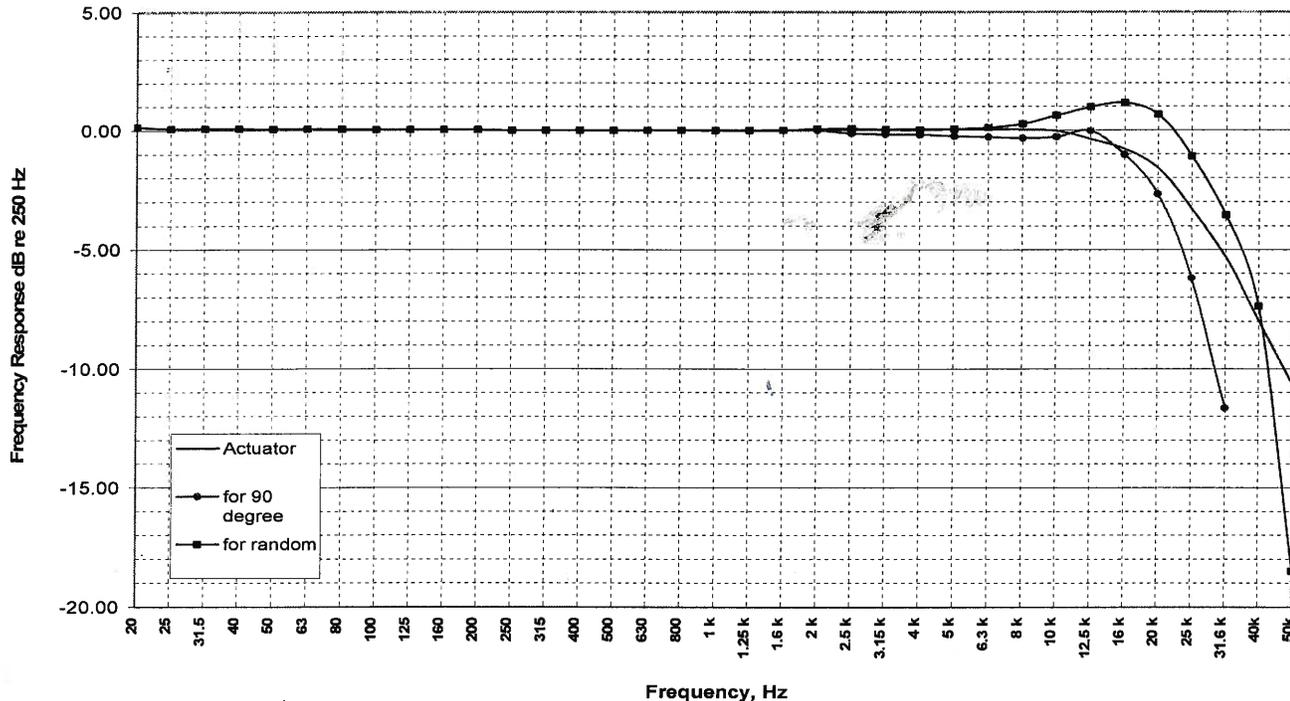
REFERENCE STANDARDS	
Type No.	4134/UA0825
Serial No.	1866523
Calibrated by	DANAK
Cal Date	23 OCT 2014
Due Date	23 OCT 2016

Type no. **2559**
 Serial no. **2206**
 With preamplifier type no. **N/A**
 Preamplifier Serial no. **N/A**
 Submitted by **Parsons**
Pasadena, CA 91124
 Purchase order no. **Verbal**
 Asset no. **N/A**

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): ± 0.13 dB

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-39.67	dB re 1 V/Pa
Open circuit correction factor K_0	10.39	mV/Pa
Open circuit correction factor K_0	13.7	dB
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

**Microphone Frequency Response Type 2559
 S/N 2206 : Measured 20 Jan 2015**



Calibration performed by *Harold Lynch*

Harold Lynch, Service Manager

CONDITION OF TEST		
Ambient Pressure	989.61	hPa
Temperature	23	°C
Relative Humidity	36	%
Polarization Voltage	200	V
Frequency	251.2	Hz
Date of Calibration	20 JAN 2015	
Re-calibration due on	20 JAN 2016	

ODIN METROLOGY, INC.
 3533 OLD CONEJO ROAD, SUITE 125
 THOUSAND OAKS, CA 91320
 PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **TN-638/282477, 2012.**
 Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**

Certificate of Calibration for Larson Davis 1/2" Random Incidence Microphone

This calibration is performed by comparison with measurement reference standard microphone:

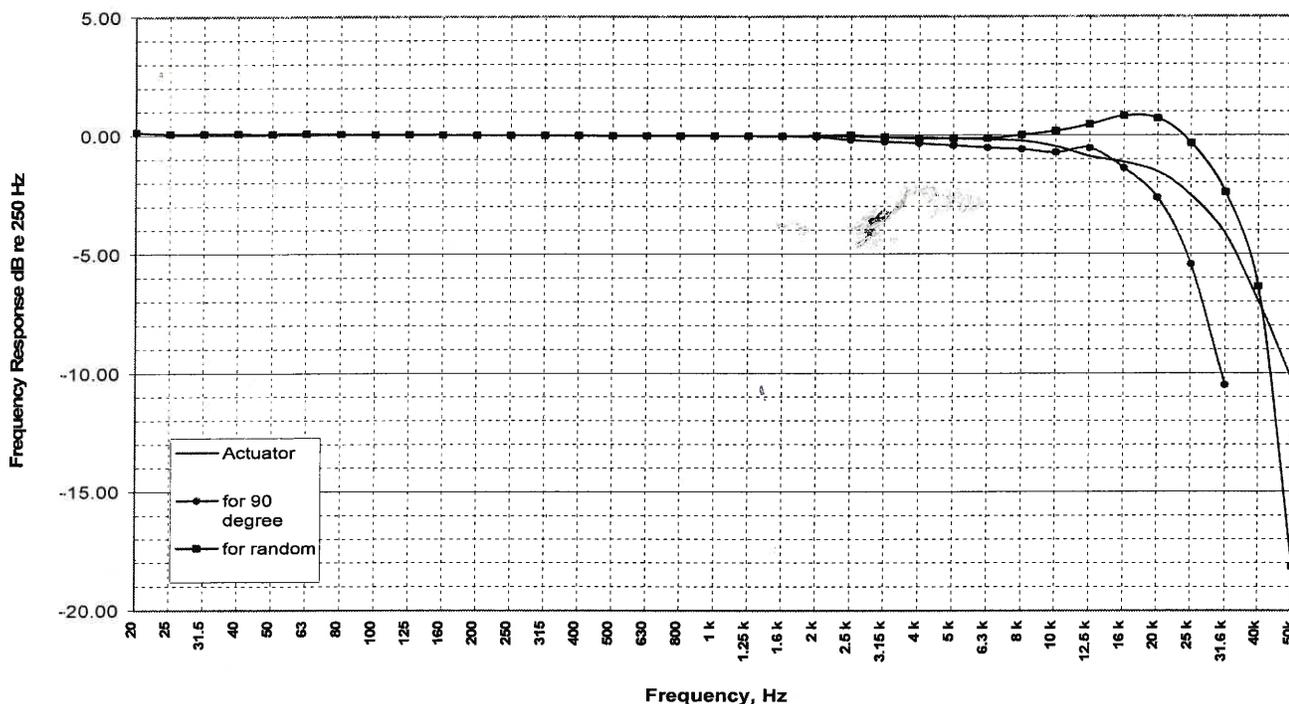
Type no. **2559**
 Serial no. **2313**
 With preamplifier type no. **N/A**
 Preamplifier Serial no. **N/A**
 Submitted by **Parsons**
Pasadena, CA 91124
 Purchase order no. **Verbal**
 Asset no. **N/A**

REFERENCE STANDARDS	
Type No.	4134/UA0825
Serial No.	1866523
Calibrated by	DANAK
Cal Date	23 OCT 2014
Due Date	23 OCT 2016

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-39.30	dB re 1 V/Pa
	10.84	mV/Pa
Open circuit correction factor K_0	13.3	dB
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): $= \pm 0.13$ dB

**Microphone Frequency Response Type 2559
S/N 2313 : Measured 20 Jan 2015**



Calibration performed by

Harold Lynch, Service Manager

CONDITION OF TEST		
Ambient Pressure	989.61	hPa
Temperature	23	°C
Relative Humidity	36	%
Polarization Voltage	200	V
Frequency	251.2	Hz
Date of Calibration	20 JAN 2015	
Re-calibration due on	20 JAN 2016	

ODIN METROLOGY, INC.
 3533 OLD CONEJO ROAD, SUITE 125
 THOUSAND OAKS, CA 91320
 PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **TN-638/282477, 2012.**
 Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**

Certificate of Calibration for Larson Davis 1/2" Random Incidence Microphone

This calibration is performed by comparison with measurement reference standard microphone:

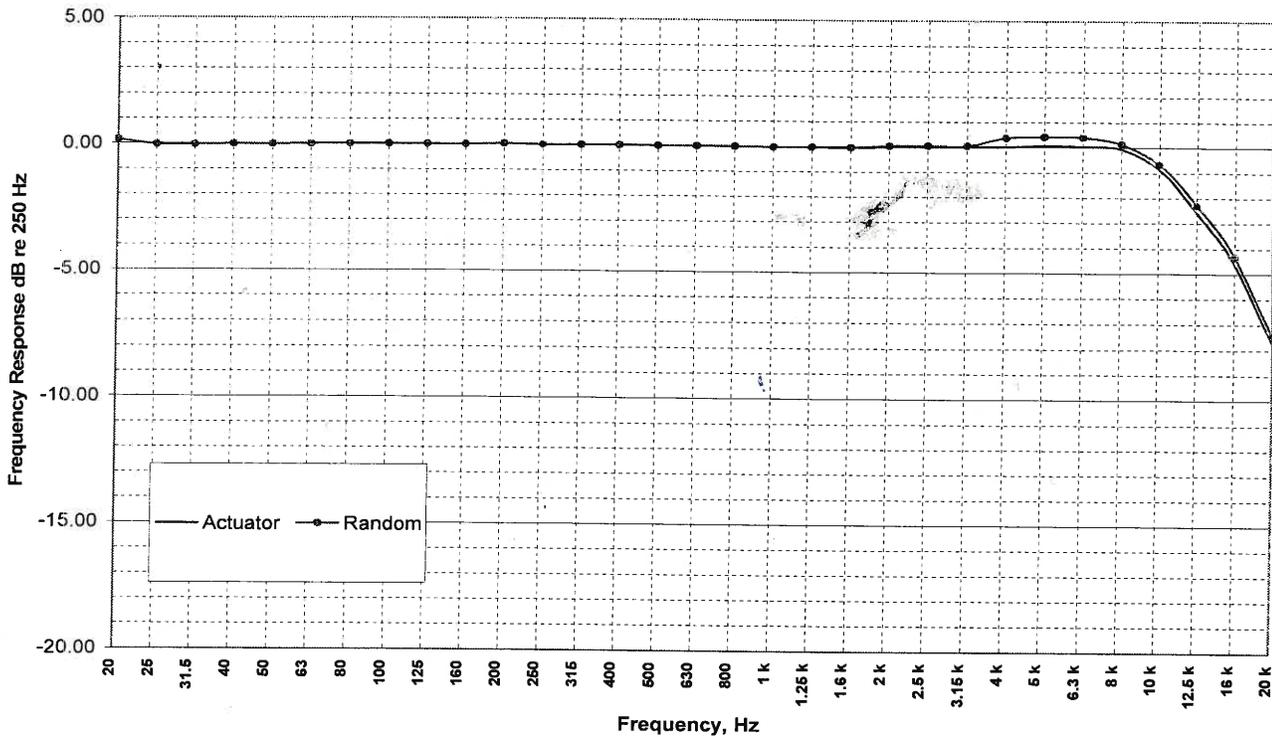
Type no. **2560**
 Serial no. **2916**
 With preamplifier type no. **N/A**
 Preamplifier Serial no. **N/A**
 Submitted by **Parsons**
Pasadena, CA 91124
 Purchase order no. **Letter**
 Asset no. **N/A**

REFERENCE STANDARDS	
Type No.	4134/UA0825
Serial No.	1866523
Calibrated by	DANAK
Cal Date	21 SEP 2012
Due Date	21 SEP 2014

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): $= \pm 0.13$ dB

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-26.80	dB re 1 V/Pa
	45.69	mV/Pa
Open circuit correction factor K_0	0.8	dB
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

**Microphone Frequency Response Type 2560
S/N 2916 : Measured 22 Jul 2013**



Calibration performed by

Torben Ehlert, Quality Assurance Manager

CONDITION OF TEST		
Ambient Pressure	988.37	hPa
Temperature	23	°C
Relative Humidity	45	%
Polarization Voltage	200	V
Frequency	251.2	Hz
Date of Calibration	22 JUL 2013	
Re-calibration due on	22 JUL 2014	

ODIN METROLOGY, INC.
 3533 OLD CONEJO ROAD, SUITE 125
 THOUSAND OAKS, CA 91320
 PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **681/280896-11 D1308**.

Certificate of Calibration for Larson Davis 1/2" Random Incidence Microphone

This calibration is performed by comparison with measurement reference standard microphone:

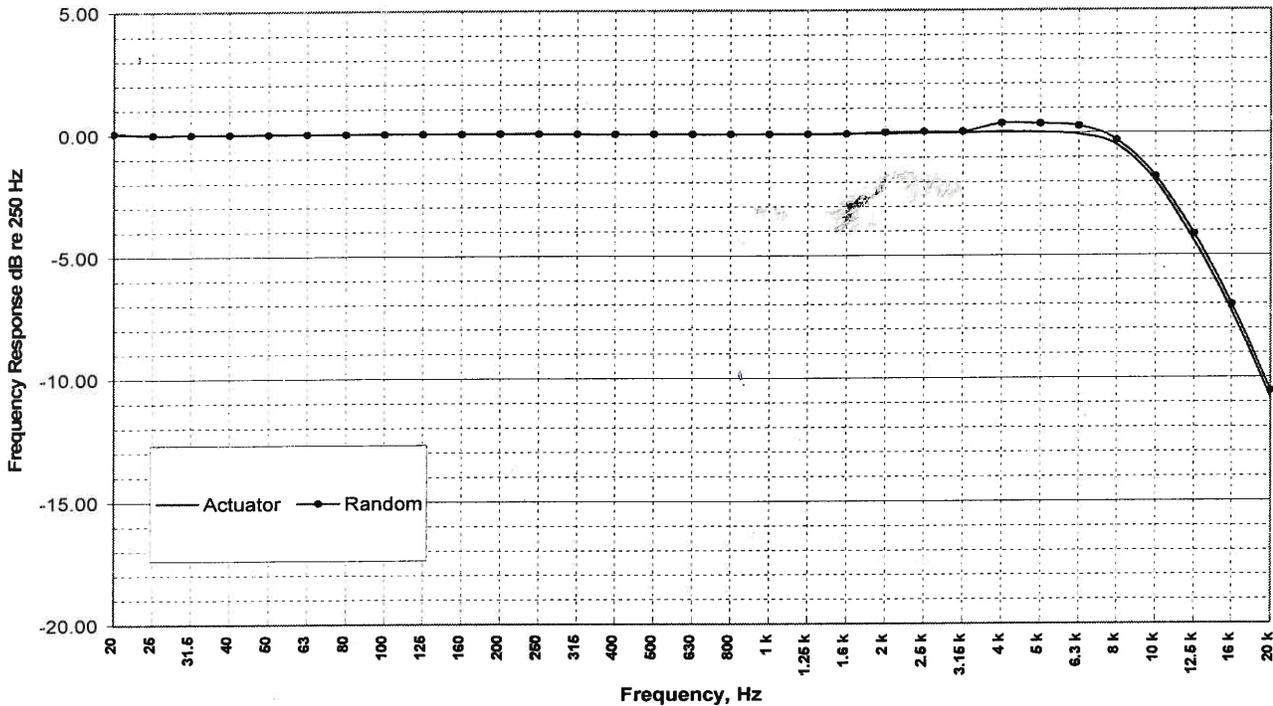
REFERENCE STANDARDS	
Type No.	4134/JA0825
Serial No.	1866524
Calibrated by	DANAK
Cal Date	24 SEP 2013
Due Date	24 SEP 2015

Type no. **2560**
 Serial no. **3155**
 With preamplifier type no. **N/A**
 Preamplifier Serial no. **N/A**
 Submitted by **Parsons**
Pasadena, CA 91124
 Purchase order no. **Verbal**
 Asset no. **N/A**

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): ± 0.13 dB

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-26.07	dB re 1 V/Pa
	49.69	mV/Pa
Open circuit correction factor K_0	0.1	dB
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

**Microphone Frequency Response Type 2560
S/N 3155 : Measured 28 Jul 2014**



Calibration performed by

Torben Ehlert, Quality Assurance Manager

CONDITION OF TEST		
Ambient Pressure	991.73	hPa
Temperature	23	°C
Relative Humidity	37	%
Polarization Voltage	200	V
Frequency	251.2	Hz
Date of Calibration	28 JUL 2014	
Re-calibration due on	28 JUL 2015	

ODIN METROLOGY, INC.
 3533 OLD CONEJO ROAD, SUITE 125
 THOUSAND OAKS, CA 91320
 PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **TN-638/282477, 2012.**
 Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**

Certificate of Calibration for Larson Davis 1/2" Random Incidence Microphone

This calibration is performed by comparison with measurement reference standard microphone:

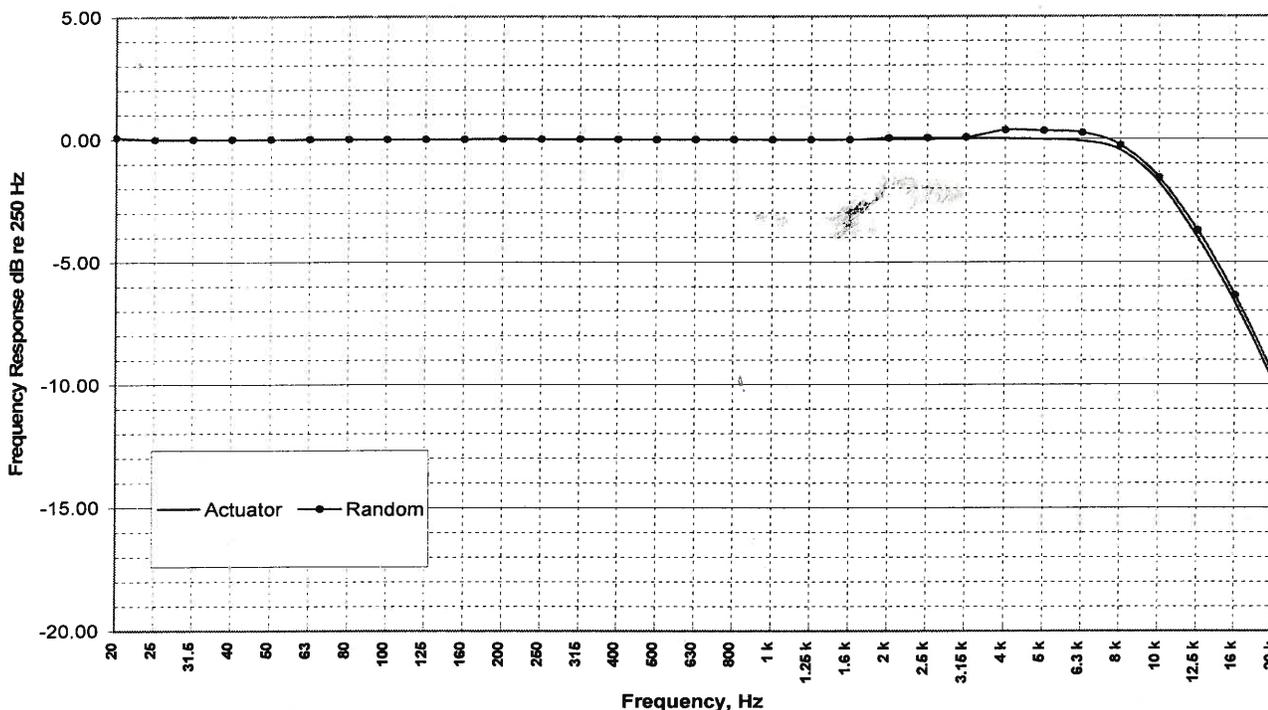
Type no.	2560
Serial no.	3159
With preamplifier type no.	N/A
Preamplifier Serial no.	N/A
Submitted by	Parsons
	Pasadena, CA 91124
Purchase order no.	Verbal
Asset no.	N/A

REFERENCE STANDARDS	
Type No.	4134/UA0825
Serial No.	1866524
Calibrated by	DANAK
Cal Date	24 SEP 2013
Due Date	24 SEP 2015

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): ± 0.13 dB

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-26.43	dB re 1 V/Pa
	47.72	mV/Pa
Open circuit correction factor K_0	0.4	dB
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

Microphone Frequency Response Type 2560 S/N 3159 : Measured 28 Jul 2014



Calibration performed by

Torben Ehlert, Quality Assurance Manager

CONDITION OF TEST		
Ambient Pressure	991.73	hPa
Temperature	23	°C
Relative Humidity	37	%
Polarization Voltage	200	V
Frequency	251.2	Hz
Date of Calibration	28 JUL 2014	
Re-calibration due on	28 JUL 2015	

ODIN METROLOGY, INC.
3533 OLD CONEJO ROAD, SUITE 125
THOUSAND OAKS, CA 91320
PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **TN-638/282477, 2012.**
Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**

Certificate of Calibration for Larson Davis 1/2" Random Incidence Microphone

This calibration is performed by comparison with measurement reference standard microphone:

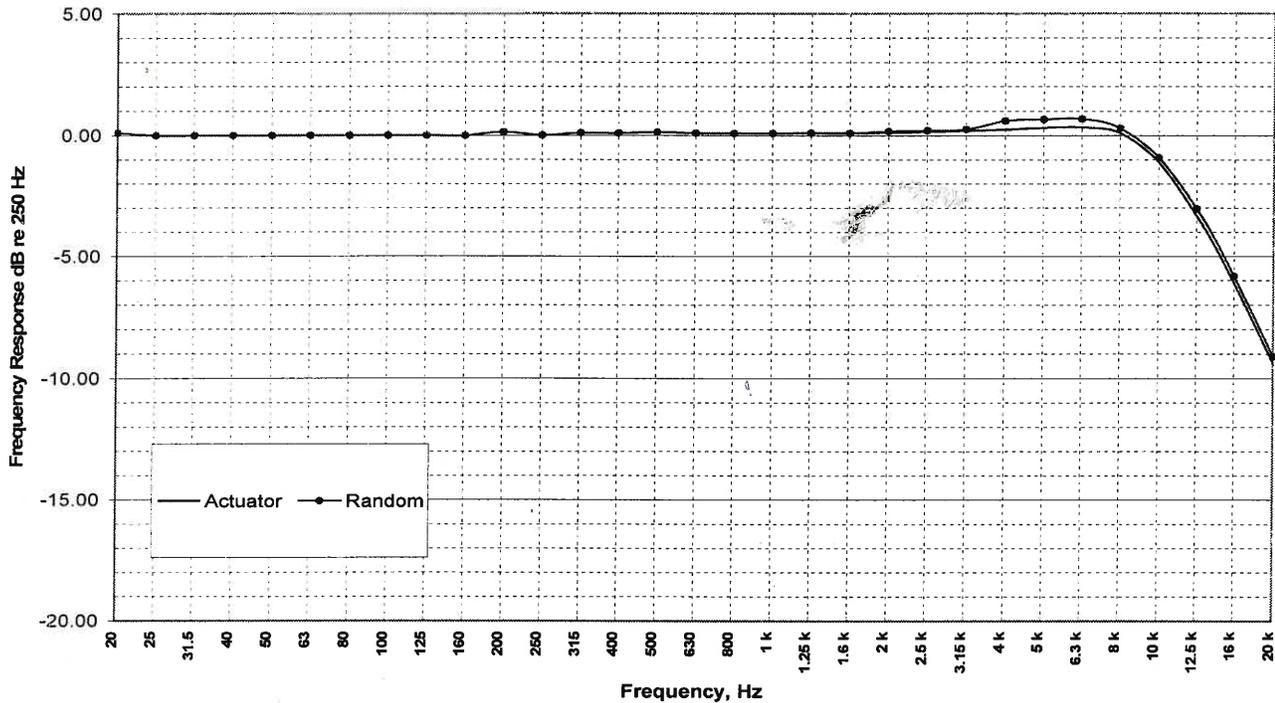
Type no. **2560**
 Serial no. **3378**
 With preamplifier type no. **N/A**
 Preamplifier Serial no. **N/A**
 Submitted by **Parsons**
Pasadena, CA 91124
 Purchase order no. **Verbal**
 Asset no. **N/A**

REFERENCE STANDARDS	
Type No.	4134/UA0825
Serial No.	1866524
Calibrated by	DANAK
Cal Date	24 SEP 2013
Due Date	24 SEP 2015

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-26.12	dB re 1 V/Pa
	49.43	mV/Pa
Open circuit correction factor K_0	0.1	dB
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): ± 0.13 dB

**Microphone Frequency Response Type 2560
S/N 3378 : Measured 28 Jul 2014**



Calibration performed by

Torben Ehlert, Quality Assurance Manager

CONDITION OF TEST		
Ambient Pressure	991.73	hPa
Temperature	23	°C
Relative Humidity	37	%
Polarization Voltage	200	V
Frequency	251.2	Hz
Date of Calibration	28 JUL 2014	
Re-calibration due on	28 JUL 2015	

ODIN METROLOGY, INC.
 3533 OLD CONEJO ROAD, SUITE 125
 THOUSAND OAKS, CA 91320
 PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **TN-638/282477, 2012.**
 Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**



~Certificate of Calibration~

3149 East Kemper Rd.
Cincinnati, OH 45241
Ph : 513-351-9919
Fax: 513-458-2172
www.modalshop.com

Manufacturer: Larson Davis
Model Number: 2560
Serial Number: 3384
Description: Pressure Microphone

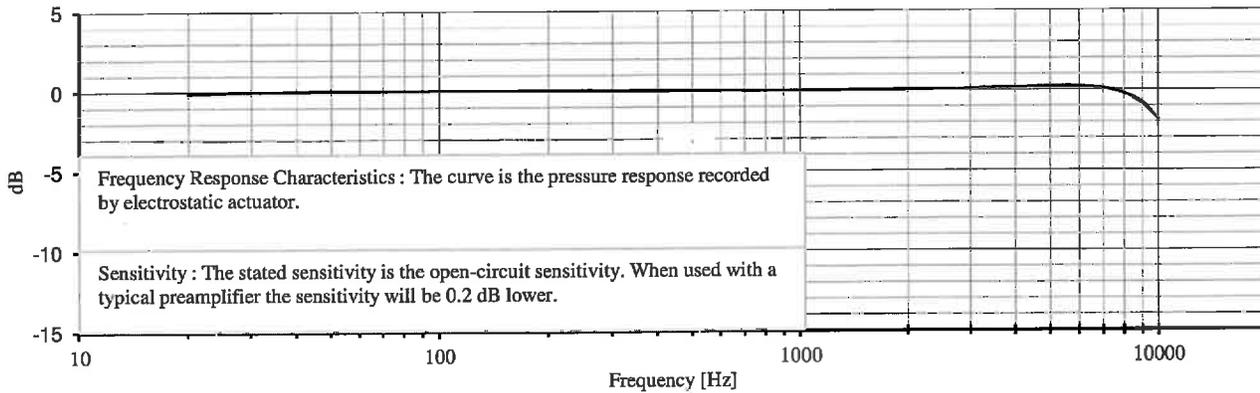
Asset ID:
Customer: TMS Rental
Calibration Date: Aug 22, 2013 15:35:42
Due Date:

Sensitivity: **250 Hz** **1 kHz**
 -25.94 -25.96 dB 1V/Pa
 50.45 50.32 mV/Pa

Temperature: 73 (23) °F (°C)
Humidity: 48 %
Ambient Pressure: 996.1 mbar

Cal. Results: In Tolerance

Polarization Voltage: 200 VDC



Traceability: The calibration is traceable through 681/280411-11.

- Notes:** Calibration results relate only to the items calibrated.
This certificate may not be reproduced, except in full, without written permission.
This calibration is performed in compliance with ISO 9001, ISO 17025 and ANSI Z540.
Measurement uncertainty (250 Hz sensitivity calibration) at 95% confidence level: 0.30 dB.
Calibrated per procedure PRD-P204.

User Note : As Found / As Left: In Tolerance.

Frequency Response with reference to level at 250 Hz

Frequency (Hz)	Upper (dB)						
20	-0.14	630	-0.02	4500	0.17		
25	-0.05	800	-0.02	5000	0.18		
31.5	-0.03	1000	-0.02	5600	0.20		
40	-0.01	1120	-0.02	6300	0.16		
50	0.02	1250	-0.02	7100	0.04		
63	0.01	1400	-0.02	8000	-0.25		
80	0.02	1600	-0.01	9000	-0.83		
100	0.04	1800	0.00	10000	-1.83		
125	0.03	2000	0.02				
160	0.02	2240	0.02				
200	0.01	2500	0.03				
250	0.00	2800	0.05				
315	-0.01	3150	0.08				
400	-0.01	3550	0.11				
500	-0.01	4000	0.14				



Technician: Ed Devlin

Approval: *Ed Devlin*

Reference Equipment Used:

Manuf.	Model	Serial	Cal. Date	Due Date
GRAS	40AG	77606	9/21/2012	9/21/2013

Certificate of Calibration for GRAS 1/2" Random Incidence Microphone

This calibration is performed by comparison with measurement reference standard microphone:

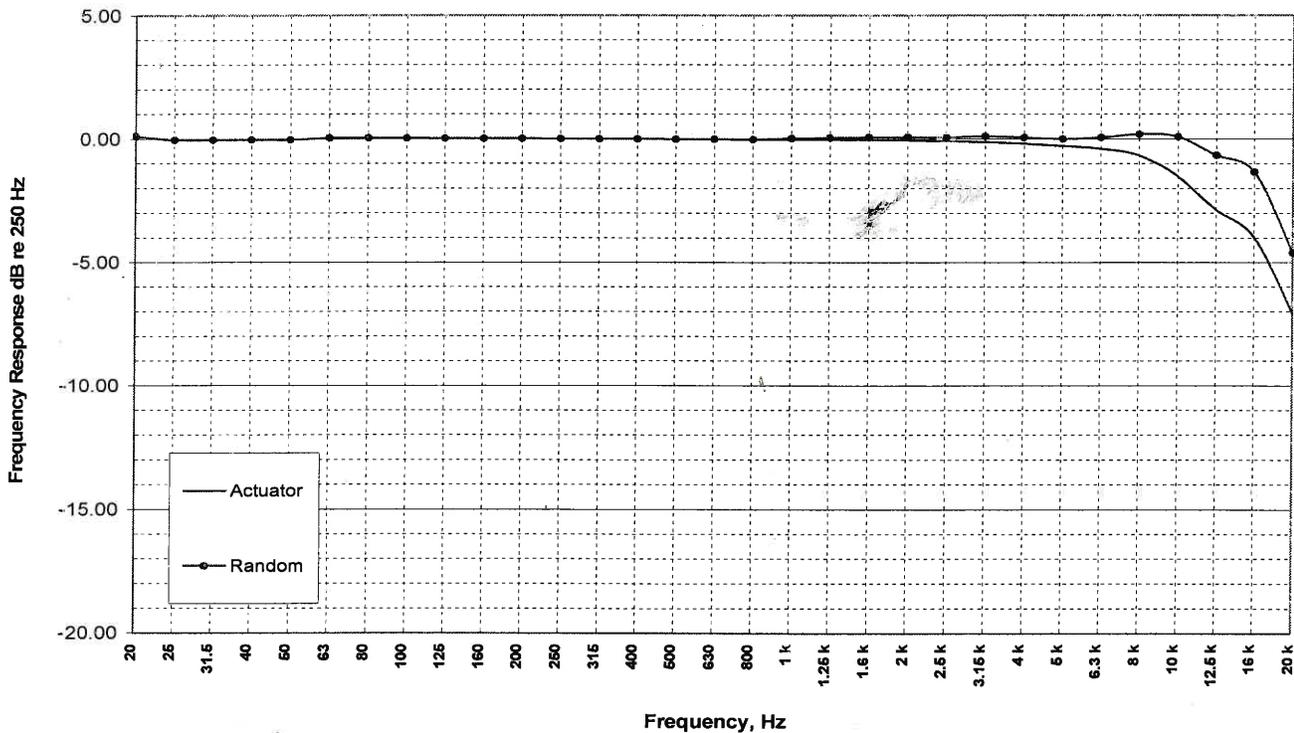
REFERENCE STANDARDS	
Type No.	4134/UA0825
Serial No.	1866523
Calibrated by	DANAK
Cal Date	23 OCT 2014
Due Date	23 OCT 2016

Type no. **40AQ**
 Serial no. **16967**
 With preamplifier type no. **N/A**
 Preamplifier Serial no. **N/A**
 Submitted by **Parsons**
Pasadena, CA 91124
 Purchase order no. **Verbal**
 Asset no. **N/A**

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): $= \pm 0.13$ dB

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-27.40	dB re 1 V/Pa
	42.68	mV/Pa
Open circuit correction factor K_0	1.4	dB
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

Microphone Frequency Response Type 40AQ S/N 16967 : Measured 20 Jan 2015



Calibration performed by *Harold Lynch*

Harold Lynch, Service Manager

CONDITION OF TEST		
Ambient Pressure	989.61	hPa
Temperature	23	°C
Relative Humidity	36	%
Polarization Voltage	0	V
Frequency	251.2	Hz
Date of Calibration	20 JAN 2015	
Re-calibration due on	20 JAN 2016	

ODIN METROLOGY, INC.

3533 OLD CONEJO ROAD, SUITE 125
 THOUSAND OAKS, CA 91320
 PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **TN-638/282477, 2012.**
 Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**

Certificate of Calibration for PCB 1/2" Free-field Microphone

This calibration is performed by comparison with measurement reference standard microphone:

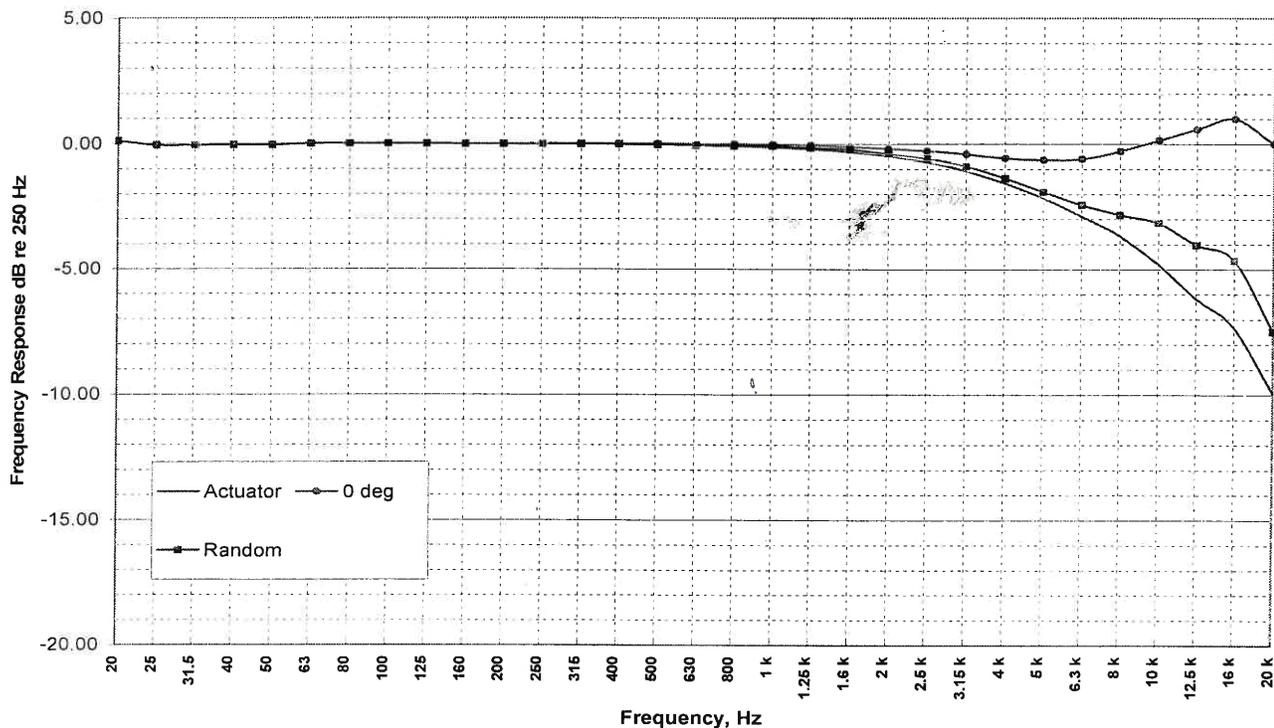
Type no. **377A02**
 Serial no. **52820**
 With preamplifier type no. **N/A**
 Serial no. **N/A**
 Submitted by **Parsons**
Pasadena, CA 91124
 Purchase order no. **Verbal**
 Asset no. **N/A**

REFERENCE STANDARDS	
Type No.	4134/UA0825
Serial No.	1866523
Calibrated by	DANAK
Cal Date	21 SEP 2012
Due Date	21 SEP 2014

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): ± 0.13 dB

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 mbar, 23°C, 50% RH, 251.2 Hz	-25.14	dB re 1 V/Pa
	55.34	mV/Pa
Open circuit correction factor (K_0)	-0.9	
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
System correction factor (K)	N/A	

Microphone Frequency Response Type 377A02 S/N 52820 : Measured 24 Sep 2013



Calibration performed by 
 Torben Ehlert, Quality Assurance Manager

CONDITION OF TEST		
Ambient Pressure	987.23	hPa
Temperature	23	°C
Relative Humidity	34	%
Polarization Voltage	0	V
Frequency	251.2	Hz
Date of Calibration	24 SEP 2013	
Re-calibration due on	24 SEP 2014	

ODIN METROLOGY, INC.
 3533 OLD CONEJO ROAD, SUITE 125
 THOUSAND OAKS, CA 91320
 PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **681/280896-11 D1308.**



~Certificate of Calibration~

3149 East Kemper Rd.
Cincinnati, OH 45241
Ph : 513-351-9919
Fax: 513-458-2172
www.modalshop.com

Manufacturer: PCB
Model Number: 377B02
Serial Number: LW132441
Description: Free-Field Microphone

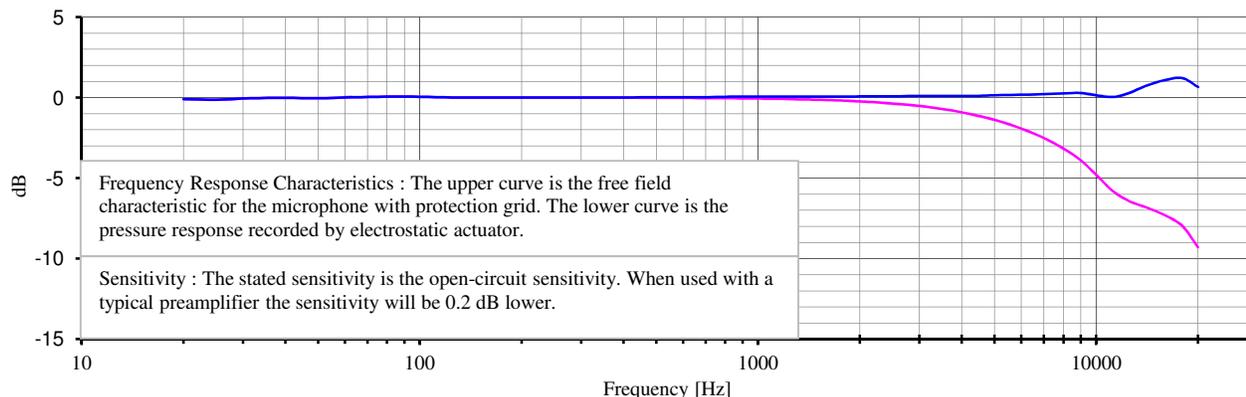
Asset ID: 48619
Customer: TMS Rental
Calibration Date: Feb 02, 2015 13:30:13
Due Date:

Sensitivity: **250 Hz** **1 kHz**
 -25.18 -25.24 dB re. 1V/Pa
 55.11 54.68 mV/Pa

Temperature: 74 (23) °F (°C)
Humidity: 19 %
Ambient Pressure: 998 mbar

Cal. Results: In Tolerance

Polarization Voltage: 0 VDC



Traceability: The calibration is traceable through 683/281764-12.

- Notes:**
- Calibration results relate only to the items calibrated.
 - This certificate may not be reproduced, except in full, without written permission.
 - This calibration is performed in compliance with ISO 9001, ISO 17025 and ANSI Z540.
 - Measurement uncertainty (250 Hz sensitivity calibration) at 95% confidence level: 0.30 dB.
 - Calibrated per procedure PRD-P204.

User Note : As Found/As Left; In Tolerance

Frequency Response with reference to level at 250 Hz

Frequency (Hz)	Upper (dB)	Frequency (Hz)	Upper (dB)	Frequency (Hz)	Upper (dB)
20	-0.10	630	0.01	4500	0.11
25	-0.13	800	0.05	5000	0.14
31.5	-0.05	1000	0.06	5600	0.17
40	-0.02	1120	0.06	6300	0.19
50	-0.04	1250	0.06	7100	0.22
63	0.02	1400	0.07	8000	0.27
80	0.06	1600	0.06	9000	0.29
100	0.05	1800	0.07	10000	0.15
125	0.01	2000	0.07	11200	0.04
160	0.01	2240	0.08	12500	0.28
200	0.01	2500	0.09	14000	0.72
250	0.00	2800	0.09	16000	1.09
315	0.01	3150	0.10	18000	1.21
400	0.01	3550	0.10	20000	0.66
500	0.03	4000	0.09		

Technician: Wayne Underwood

Reference Equipment Used:

Manuf.	Model	Serial	Cal. Date	Due Date
GRAS	40AG	9542	9/15/2014	9/15/2015

Approval:



Calibration Lab
CALIBRATION CERT 2649.01



~Certificate of Calibration~

3149 East Kemper Rd.
Cincinnati, OH 45241
Ph : 513-351-9919
Fax: 513-458-2172
www.modalshop.com

Manufacturer: PCB
Model Number: 377B02
Serial Number: LW138391
Description: Free-Field Microphone

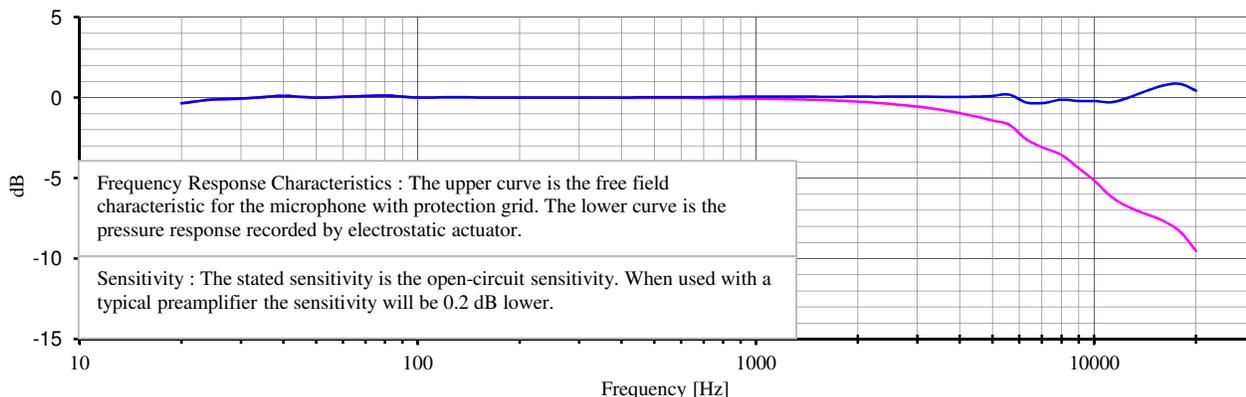
Asset ID: 49327
Customer: TMS Rental
Calibration Date: Jan 15, 2015 10:21:19
Due Date:

Sensitivity: **250 Hz** **1 kHz**
 -25.63 -25.70 dB re. 1V/Pa
 52.28 51.90 mV/Pa

Temperature: 73 (23) °F (°C)
Humidity: 16 %
Ambient Pressure: 1000.2 mbar

Cal. Results: In Tolerance

Polarization Voltage: 0 VDC



Traceability: The calibration is traceable through 683/281764-12.

- Notes:**
- Calibration results relate only to the items calibrated.
 - This certificate may not be reproduced, except in full, without written permission.
 - This calibration is performed in compliance with ISO 9001, ISO 17025 and ANSI Z540.
 - Measurement uncertainty (250 Hz sensitivity calibration) at 95% confidence level: 0.30 dB.
 - Calibrated per procedure PRD-P204.

User Note : As Found/As Left; In Tolerance

Frequency Response with reference to level at 250 Hz

Frequency (Hz)	Upper (dB)	Frequency (Hz)	Upper (dB)	Frequency (Hz)	Upper (dB)	Frequency (dB)
20	-0.35	630	0.01	4500	0.06	
25	-0.12	800	0.05	5000	0.10	
31.5	-0.04	1000	0.05	5600	0.19	
40	0.10	1120	0.06	6300	-0.31	
50	-0.01	1250	0.06	7100	-0.33	
63	0.05	1400	0.06	8000	-0.13	
80	0.12	1600	0.05	9000	-0.21	
100	0.01	1800	0.05	10000	-0.21	
125	0.03	2000	0.06	11200	-0.29	
160	0.01	2240	0.05	12500	-0.04	
200	0.01	2500	0.06	14000	0.35	
250	0.00	2800	0.06	16000	0.75	
315	0.01	3150	0.06	18000	0.85	
400	0.00	3550	0.05	20000	0.42	
500	0.03	4000	0.04			

Technician: Wayne Underwood

Reference Equipment Used:

Approval:

Manuf.	Model	Serial	Cal. Date	Due Date
GRAS	40AG	9542	9/15/2014	9/15/2015



Calibration Lab
CALIBRATION CERT 2649.01

Certificate of Calibration for Brüel & Kjær 1/2" Free-field Microphone

This calibration is performed by comparison with measurement reference standard microphone:

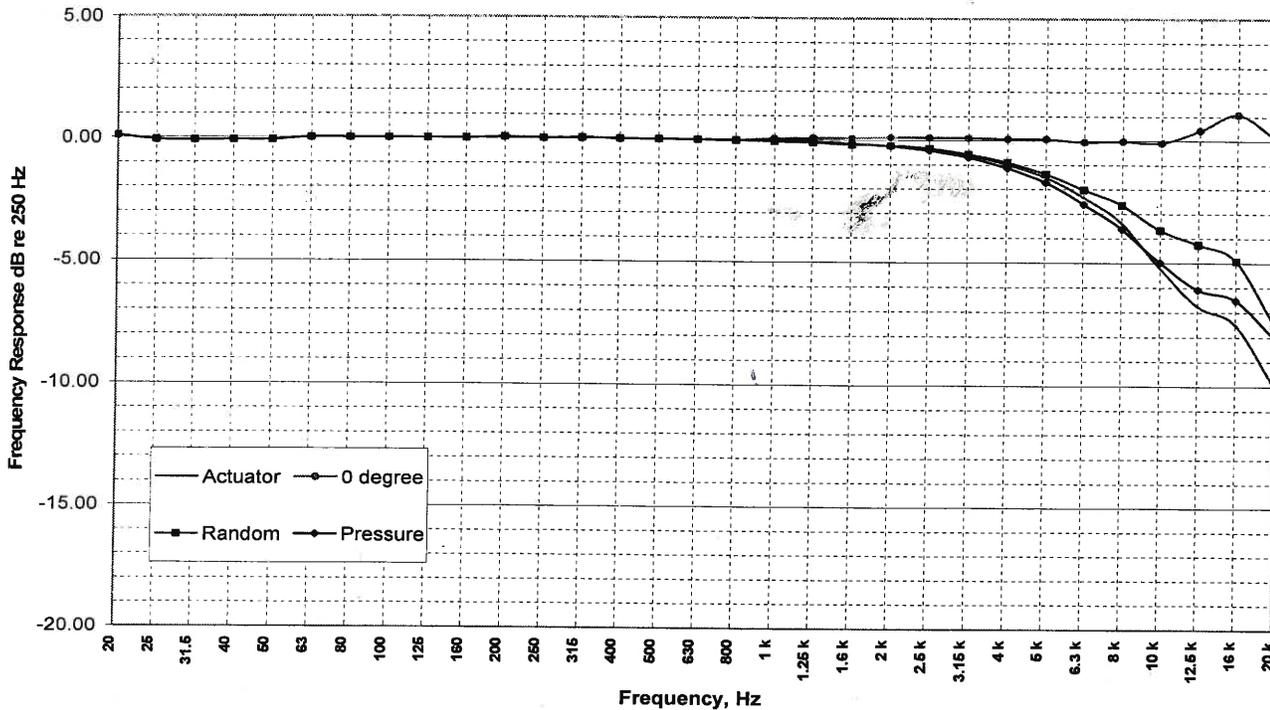
Type no.	4189
Serial no.	2663101
With preamplifier type no.	N/A
Preamplifier Serial no.	N/A
Submitted by	Parsons Pasadena, CA 91124
Purchase order no.	Verbal
Asset no.	N/A

REFERENCE STANDARDS	
Type No.	4134/JA0825
Serial No.	1866524
Calibrated by	DANAK
Cal Date	24 SEP 2013
Due Date	24 SEP 2015

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of reference microphone: ± 0.04 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.064$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): ± 0.13 dB

PERFORMANCE DATA		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-26.23	dB re 1 V/Pa
	48.82	mV/Pa
Open circuit correction factor K_0	0.2	dB
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa
Correction factor K	N/A	dB

Microphone Frequency Response Type 4189 S/N 2663101 : Measured 14 Apr 2014



Calibration performed by

Torben Ehlert, Quality Assurance Manager

CONDITION OF TEST		
Ambient Pressure	990.21	hPa
Temperature	23	°C
Relative Humidity	34	%
Polarization Voltage	0	V
Frequency	251.2	Hz
Date of Calibration	14 APR 2014	
Re-calibration due on	14 APR 2015	

ODIN METROLOGY, INC.

3533 OLD CONEJO ROAD, SUITE 125
THOUSAND OAKS, CA 91320
PHONE: (805) 375-0830; FAX: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.

This calibration is traceable to NIST Test Number: **TN-638/282477, 2012.**
Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**

CERTIFICATE OF CALIBRATION
21299-9
FOR LARSON DAVIS
1/2" MICROPHONE PREAMPLIFIER

Model **PRM828**

Serial No. **1629**

ID No. **N/A**

Customer: **Parsons**

Pasadena, CA 91124

P.O. No. Verbal

was tested and met factory specifications at the points tested
according to the Referenced Test Procedure

on **20 JAN 2015**

BY HAROLD LYNCH
Service Manager

As received condition: Within Specification.
Re-calibration due on: **20 JAN 2016**

Certified References*

<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	4155	1424163	27 MAR 2014	27 MAR 2015
B&K	1049	1314996	12 JUN 2014	12 JUN 2015
B&K	2636	1423390	05 JAN 2015	05 JAN 2016
B&K	4226	2141942	02 DEC 2014	02 DEC 2015
B&K	4231	1770857	17 SEP 2014	17 SEP 2015
HP	34401A	MY45023668	08 FEB 2014	08 FEB 2015
HP	3458A	2823A07179	09 JUL 2014	09 JUL 2015

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
and ISO 17025, ISO 9001:2008 Certification NQA No. 11252

*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.

The data represent both "as found" and "as left."

Reference Test Procedure: **ACCT Procedure PRM828 Version 0.0.1.**

Temperature

23°C

Relative Humidity

36 %

Barometric Pressure

989.91 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed



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PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION
20928-2
FOR LARSON DAVIS
1/2" MICROPHONE PREAMPLIFIER

Model **PRM828**

Serial No. **1891**

ID No. **N/A**

Customer: **Parsons**

Pasadena, CA 91124

P.O. No. Verbal

was tested and met factory specifications at the points tested
according to the Referenced Test Procedure

on **30 JUL 2014**

BY HAROLD LYNCH
Service Manager

As received condition: Within Specification.
Re-calibration due on: **30 JUL 2015**

Certified References*				
<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	4155	1424163	27 MAR 2014	27 MAR 2015
B&K	1049	1288946	04 NOV 2013	04 NOV 2014
B&K	2636	1601487	19 MAY 2014	19 MAY 2015
B&K	4226	1774068	17 MAR 2014	17 MAR 2015
B&K	4231	2094472	26 FEB 2014	26 FEB 2015
HP	34401A	US36071531	11 JUN 2014	11 JUN 2015
HP	3458A	2823A17713	16 JUL 2014	16 JUL 2015

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
and ISO 17025, ISO 9001:2008 Certification NQA No. 11252
*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
The data represent both "as found" and "as left."

Reference Test Procedure: **ACCT Procedure PRM828 Version 0.0.1.**

Temperature	Relative Humidity	Barometric Pressure
23°C	45 %	988.11 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed 

ODIN METROLOGY, INC.

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PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION
20928-5
FOR LARSON DAVIS
1/2" MICROPHONE PREAMPLIFIER

Model **PRM828**

Serial No. **1901**

ID No. **N/A**

Customer: **Parsons**

Pasadena, CA 91124

P.O. No. **Verbal**

was tested and met factory specifications at the points tested
 according to the Referenced Test Procedure

on **30 JUL 2014**

BY HAROLD LYNCH
Service Manager

As received condition: **Within Specification.**
 Re-calibration due on: **30 JUL 2015**

Certified References*

<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	4155	1424163	27 MAR 2014	27 MAR 2015
B&K	1049	1288946	04 NOV 2013	04 NOV 2014
B&K	2636	1601487	19 MAY 2014	19 MAY 2015
B&K	4226	1774068	17 MAR 2014	17 MAR 2015
B&K	4231	2094472	26 FEB 2014	26 FEB 2015
HP	34401A	US36071531	11 JUN 2014	11 JUN 2015
HP	3458A	2823A17713	16 JUL 2014	16 JUL 2015

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
 and ISO 17025, ISO 9001:2008 Certification NQA No. 11252

*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.

The data represent both "as found" and "as left."

Reference Test Procedure: **ACCT Procedure PRM828 Version 0.0.1.**

Temperature 23°C	Relative Humidity 45 %	Barometric Pressure 988.11 hPa
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Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed *Harold Lynch*

ODIN METROLOGY, INC.

CALIBRATION OF SOUND AND VIBRATION INSTRUMENTATION
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 PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION
21299-7
FOR LARSON DAVIS
1/2" MICROPHONE PREAMPLIFIER

Model **PRM828**

Serial No. **1938**

ID No. **N/A**

Customer: **Parsons**

Pasadena, CA 91124

P.O. No. Verbal

was tested and met factory specifications at the points tested
according to the Referenced Test Procedure

on **20 JAN 2015**

BY HAROLD LYNCH
Service Manager

As received condition: Within Specification.
Re-calibration due on: **20 JAN 2016**

Certified References*

<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	4155	1424163	27 MAR 2014	27 MAR 2015
B&K	1049	1314996	12 JUN 2014	12 JUN 2015
B&K	2636	1423390	05 JAN 2015	05 JAN 2016
B&K	4226	2141942	02 DEC 2014	02 DEC 2015
B&K	4231	1770857	17 SEP 2014	17 SEP 2015
HP	34401A	MY45023668	08 FEB 2014	08 FEB 2015
HP	3458A	2823A07179	09 JUL 2014	09 JUL 2015

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
and ISO 17025, ISO 9001:2008 Certification NQA No. 11252

*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.

The data represent both "as found" and "as left."

Reference Test Procedure: **ACCT Procedure PRM828 Version 0.0.1.**

Temperature
23°C

Relative Humidity
36 %

Barometric Pressure
989.91 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed 

ODIN METROLOGY, INC.

CALIBRATION OF SOUND AND VIBRATION INSTRUMENTATION
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PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION
20242-5
FOR LARSON DAVIS
1/2" MICROPHONE PREAMPLIFIER

Model **PRM828**

Serial No. **2330**
 ID No. **N/A**

Customer: **Parsons**
Pasadena, CA 91124

P.O. No. **Verbal**

was tested and met factory specifications at the points tested
 according to the Referenced Test Procedure

on **30 SEP 2013**

BY HAROLD LYNCH
Service Manager

As received condition: Within Specification.
 Re-calibration due on: **30 SEP 2014**

Certified References*				
<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	1049	1314996	12 JUN 2013	12 JUN 2014
B&K	2636	1423390	07 JAN 2013	07 JAN 2014
B&K	4226	2141942	29 NOV 2012	29 NOV 2013
B&K	4231	1770857	19 SEP 2013	19 SEP 2014
HP	34401A	MY45023668	29 JAN 2013	29 JAN 2014
HP	3458A	2823A07179	08 JUL 2013	08 JUL 2014

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
 and ISO 17025, ISO 9001:2008 Certification NQA No. 11252
 *References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
 The data represent both "as found" and "as left."

Reference Test Procedure: **ACCT Procedure PRM828 Version 0.0.1.**

Temperature	Relative Humidity	Barometric Pressure
23°C	30 %	987.81 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed 

ODIN METROLOGY, INC.
 CALIBRATION OF SOUND AND VIBRATION INSTRUMENTATION
 3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
 PHONE: (805) 375-0830 FAX: (805) 375-0405

PREAMPLIFIERS



~ Certificate of Conformance ~

3149 East Kemper Rd.
Cincinnati, OH 45241
Ph : 513-351-9919
Fax: 513-458-2172
www.modalshop.com

Manufacturer:	Larson Davis	Asset ID:	
Model:	PRM828	Calibration Date:	Sep 25, 2013 13:47:41
Serial Number:	2667	Due Date:	
Description:	Microphone Pre-Amplifier	Technician:	Ed Devlin
Customer:	TMS Rental	Approval:	<i>Ed Devlin</i>
Calibration Result:		Temperature:	24 °C (75 °F)
Frequency Response within ±0.2 dB with 18 pF loading		Humidity:	39.8 %
20.0 Hz - 20000.0 Hz		Pressure:	991 mbar

Upon receipt for calibration, the instrument was found to be:
WITHIN the stated tolerance of the manufacturer's specification.

Note: As Found / As Left: In Tolerance.

The subject instrument was tested under operating procedures intended to implement the requirements of ISO 9001, ISO 17025 and ANSI Z540. This document certifies that the instrument met the following specification upon its return to the customer. Unless otherwise noted, the reported value is both "as found" and "as left" data. Results relate only to the items calibrated. This certificate may not be reproduced, except in full, without written permission.

Frequency Response with reference to level at 250 Hz

Frequency (Hz)	Response (dB)	Frequency (Hz)	Response (dB)	Frequency (Hz)	Response (dB)	Frequency (Hz)	Response (dB)
20.0	-0.022	1000.0	0.030	7100.0	0.043		
25.0	-0.013	1120.0	0.031	8000.0	0.044		
31.5	-0.006	1250.0	0.032	9000.0	0.044		
40.0	0.000	1400.0	0.033	10000.0	0.045		
50.0	0.003	1600.0	0.034	11200.0	0.046		
63.0	0.006	1800.0	0.035	12500.0	0.046		
80.0	0.010	2000.0	0.035	14000.0	0.047		
100.0	0.012	2240.0	0.036	16000.0	0.047		
125.0	0.013	2500.0	0.037	18000.0	0.048		
160.0	0.017	2800.0	0.038	20000.0	0.049		
200.0	0.017	3150.0	0.038				
250.0	0.020	3550.0	0.039				
315.0	0.023	4000.0	0.040				
400.0	0.025	4500.0	0.041				
500.0	0.026	5000.0	0.041				
630.0	0.027	5600.0	0.042				
800.0	0.029	6300.0	0.043				

CERTIFICATE OF CALIBRATION
20718-9
FOR LARSON DAVIS ½”
MICROPHONE PREAMPLIFIER

Model **PRM900B**

Serial No. **2661**

ID No. **N/A**

Customer: **Parsons**
Pasadena, CA 91124

P.O. No. **Verbal**

was tested and met factory specifications at the points tested
according to the Referenced Test Procedure

on **14 APR 2014**

BY HAROLD LYNCH
Service Manager

As received condition: Within Specification.
Re-calibration due on: **14 APR 2015**

Certified References*

<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	1049	1314996	12 JUN 2013	12 JUN 2014
B&K	2636	1423390	07 JAN 2014	07 JAN 2015
B&K	4226	2141942	02 DEC 2013	02 DEC 2014
B&K	4155	1424163	27 MAR 2014	27 MAR 2015
B&K	4231	1770857	19 SEP 2013	19 SEP 2014
HP	34401A	MY45023668	08 FEB 2014	08 FEB 2015
HP	3458A	2823A07179	08 JUL 2013	08 JUL 2014

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
and ISO 17025, ISO 9001:2008 Certification NQA No. 11252

*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.

The data represent both “as found” and “as left” conditions.

Reference Test Procedure: **ACCT Procedure PRM900B-C Version 1.0.1.**

Temperature 23°C	Relative Humidity 34 %	Barometric Pressure 990.21 hPa
----------------------------	----------------------------------	--

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed:

ODIN METROLOGY, INC.

CALIBRATION OF SOUND AND VIBRATION INSTRUMENTATION
3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION
20928-9
FOR LARSON DAVIS ½”
MICROPHONE PREAMPLIFIER

Model **900B**

Serial No. **2771**
 ID No. **N/A**

Customer: **Parsons**
Pasadena, CA 91124

P.O. No. **Verbal**

was tested and met factory specifications at the points tested
 according to the Referenced Test Procedure

on **30 JUL 2014**

BY HAROLD LYNCH
 Service Manager

As received condition: Within Specification.
 Re-calibration due on: **30 JUL 2015**

Certified References*				
<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	4155	1424163	27 MAR 2014	27 MAR 2015
B&K	1049	1288946	04 NOV 2013	04 NOV 2014
B&K	2636	1601487	19 MAY 2014	19 MAY 2015
B&K	4226	1774068	17 MAR 2014	17 MAR 2015
B&K	4231	2094472	26 FEB 2014	26 FEB 2015
HP	34401A	US36071531	11 JUN 2014	11 JUN 2015
HP	3458A	2823A17713	16 JUL 2014	16 JUL 2015

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
 and ISO 17025, ISO 9001:2008 Certification NQA No. 11252
 *References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
 The data represent both “as found” and “as left” conditions.

Reference Test Procedure: **ACCT Procedure PRM900B-C Version 1.0.1.**

Temperature	Relative Humidity	Barometric Pressure
23°C	45 %	988.11 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed: *Harold Lynch*

ODIN METROLOGY, INC.

CALIBRATION OF SOUND AND VIBRATION INSTRUMENTATION
 3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
 PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION

20928-10

FOR LARSON DAVIS ½”

MICROPHONE PREAMPLIFIER

Model **900B**

Serial No. **3095**
ID No. **N/A**

Customer: **Parsons**
Pasadena, CA 91124

P.O. No. **Verbal**

was tested and met factory specifications at the points tested
according to the Referenced Test Procedure

on **30 JUL 2014**

BY HAROLD LYNCH
Service Manager

As received condition: Within Specification.
Re-calibration due on: **30 JUL 2015**

Certified References*

<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	4155	1424163	27 MAR 2014	27 MAR 2015
B&K	1049	1288946	04 NOV 2013	04 NOV 2014
B&K	2636	1601487	19 MAY 2014	19 MAY 2015
B&K	4226	1774068	17 MAR 2014	17 MAR 2015
B&K	4231	2094472	26 FEB 2014	26 FEB 2015
HP	34401A	US36071531	11 JUN 2014	11 JUN 2015
HP	3458A	2823A17713	16 JUL 2014	16 JUL 2015

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
and ISO 17025, ISO 9001:2008 Certification NQA No. 11252

*References are traceable to NIST (National Institute of Standards and Technology).

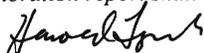
Note: For calibration data see enclosed pages.

The data represent both “as found” and “as left” conditions.

Reference Test Procedure: **ACCT Procedure PRM900B-C Version 1.0.1.**

Temperature 23°C	Relative Humidity 45 %	Barometric Pressure 988.11 hPa
----------------------------	----------------------------------	--

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed: 

ODIN METROLOGY, INC.

CALIBRATION OF SOUND AND VIBRATION INSTRUMENTATION
3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
PHONE: (805) 375-0830 FAX: (805) 375-0405

CERTIFICATE OF CALIBRATION
20928-11
FOR LARSON DAVIS ½”
MICROPHONE PREAMPLIFIER

Model **PRM900B**

Serial No. **3200**

ID No. **N/A**

Customer: **Parsons**
Pasadena, CA 91124

P.O. No. **Verbal**

was tested and met factory specifications at the points tested
according to the Referenced Test Procedure

on **30 JUL 2014**

BY HAROLD LYNCH
Service Manager

As received condition: Within Specification.
Re-calibration due on: **30 JUL 2015**

Certified References*

<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	4155	1424163	27 MAR 2014	27 MAR 2015
B&K	1049	1288946	04 NOV 2013	04 NOV 2014
B&K	2636	1601487	19 MAY 2014	19 MAY 2015
B&K	4226	1774068	17 MAR 2014	17 MAR 2015
B&K	4231	2094472	26 FEB 2014	26 FEB 2015
HP	34401A	US36071531	11 JUN 2014	11 JUN 2015
HP	3458A	2823A17713	16 JUL 2014	16 JUL 2015

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
and ISO 17025, ISO 9001:2008 Certification NQA No. 11252

*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.

The data represent both “as found” and “as left” conditions.

Reference Test Procedure: **ACCT Procedure PRM900B-C Version 1.0.1.**

Temperature
23°C

Relative Humidity
45 %

Barometric Pressure
988.11 hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed: 

ODIN METROLOGY, INC.

CALIBRATION OF SOUND AND VIBRATION INSTRUMENTATION
3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
PHONE: (805) 375-0830 FAX: (805) 375-0405

Model **PRM902**

Customer: **Parsons**
Pasadena, CA 91124

P.O. No. **Verbal**

was tested and met factory specifications at the points tested
according to the Referenced Test Procedure

on **30 SEP 2013**

BY HAROLD LYNCH
Service Manager

As received condition: Within Specification.
Re-calibration due on: **30 SEP 2014**

Certified References*				
<u>Mfg.</u>	<u>Type</u>	<u>Serial No.</u>	<u>Cal Date</u>	<u>Due Date</u>
B&K	1049	1314996	12 JUN 2013	12 JUN 2014
B&K	2636	1423390	07 JAN 2013	07 JAN 2014
B&K	4226	2141942	29 NOV 2012	29 NOV 2013
B&K	4231	1770857	19 SEP 2013	19 SEP 2014
HP	34401A	MY45023668	29 JAN 2013	29 JAN 2014
HP	3458A	2823A07179	08 JUL 2013	08 JUL 2014

Performed in Compliance with ANSI, NCSL Z-540-1, 1994
and ISO 17025, ISO 9001:2008 Certification NQA No. 11252
*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.

The data represent both "as found" and "as left."

Reference Test Procedure: **ACCT Procedure PRM902 Version 1.0.0.**

Temperature 23°C	Relative Humidity 30 %	Barometric Pressure 987.81 hPa
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Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed *Harold Lynch*

ODIN METROLOGY, INC.

CALIBRATION OF SOUND AND VIBRATION INSTRUMENTATION
3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
PHONE: (805) 375-0830 FAX: (805) 375-0405

Certificate of Calibration and Conformance

Certificate Number 2010-135314

Instrument Model PRMLXT1, Serial Number 015555, was calibrated on 15OCT2010. The instrument meets factory specifications per Procedure D0001.8295.

New Instrument

Date Calibrated: 15OCT2010

Calibration due: 15OCT2011

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	LDSigGn/2239	0942/0106	12 Months	09NOV2010	2009-123746
Agilent Technologies	34401A	MY47024345	12 Months	21SEP2011	4929226

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

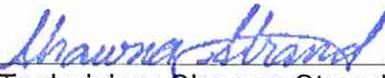
Relative Humidity: 29 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

This calibration complies with the requirements of ISO 17025 and ANSI Z540. The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

Signed: 
Technician: Shawna Strand

ACOUSTICAL CALIBRATORS

Certificate of Calibration and Conformance

Certificate Number 2014-186969

Instrument Model CAL200, Serial Number 11048, was calibrated on 26 Feb 2014. The instrument meets factory specifications per Procedure D0001.8190, IEC 60942:2003.

New Instrument

Date Calibrated: 26 Feb 2014

Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	2900	0661	12 Months	8 Apr 2014	2013-172252
Larson Davis	2559	2506	12 Months	13 Jun 2014	29027
Larson Davis	MTS1000/2201	0111	12 Months	22 Aug 2014	SM082213
Larson Davis	PRM902	0480	12 Months	23 Aug 2014	2013-178669
Hewlett Packard	34401A	3146A10352	12 Months	3 Sep 2014	6214490
PCB	1502C02FJ15PSIA	1429	12 Months	2 Oct 2014	3463562806
Larson Davis	PRM915	0112	12 Months	9 Oct 2014	2013-180644

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

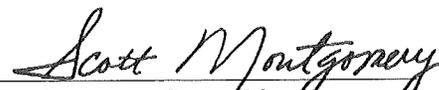
Environmental test conditions as shown on calibration report.

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

Signed: 
Technician: Scott Montgomery

Certificate of Calibration and Conformance

Certificate Number 2013-177289

Instrument Model CAL200, Serial Number 10473, was calibrated on 29JUL2013. The instrument meets factory specifications per Procedure D0001.8190, IEC 60942:2003.

New Instrument

Date Calibrated: 29JUL2013

Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Hewlett Packard	34401A	3146A10352	12 Months	28AUG2013	5778699
Larson Davis	PRM902	0480	12 Months	07SEP2013	2012-163567
Larson Davis	MTS1000/2201	0111	12 Months	07SEP2013	SM070912-3
Larson Davis	PRM915	0112	12 Months	08OCT2013	2012-164811
Larson Davis	2559	2504	12 Months	03JAN2014	19648-1
PCB	1502B02FJ15PSIA	1342	12 Months	14JAN2014	3441014716
Larson Davis	2900	0661	12 Months	08APR2014	2013-172252

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Environmental test conditions as shown on calibration report.

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

Signed: Scott Montgomery
Technician: Scott Montgomery

Certificate of Calibration for Brüel & Kjær Sound Level Calibrator

This calibration is performed by comparison with measurement reference standard pistonphones:

Calibrator type **4231**
Serial no. **2507137**
Submitted by **Parsons**
 Pasadena, CA 91124
Purchase order no. **Verbal**
Asset no. **N/A**

Type No.	4220	4228
Serial No.	1048473	1504084
Calibrated by	TE	TE
Cal Date	28 OCT 2013	28 OCT 2013
Due Date	28 OCT 2014	28 OCT 2014

This calibrator has been found to perform **within** the specifications listed below at the normalized conditions stated.

- a) Estimated uncertainty of comparison: ± 0.05 dB
- b) Estimated uncertainty of calibration service for standard pistonphone: ± 0.06 dB
- c) Total uncertainty: $\sqrt{a^2 + b^2} = \pm 0.08$ dB
- d) Expanded uncertainty (coverage factor $k = 2$ for 95% confidence level): $= \pm 0.16$ dB

This acoustic calibrator has been calibrated using standards with values traceable to the National Institute of Standards and Technology. This calibration is traceable to NIST Test Number **TN-638/282477, 2012.**

SPL produced in coupler terminated by a loading volume of 1.333 cm ³	94.0 ± 0.2 dB
Level Step	20 ± 0.1 dB
Frequency	1,000 Hz ± 0.1%
Distortion	< 1%
At 1,013 hPa, 20°C, and 65% relative humidity	

CONDITION OF TEST		
Ambient Pressure	990.21	hPa
Temperature	23	°C
Relative Humidity	34	%
Date of Calibration	14 APR 2014	
Re-calibration due on	14 APR 2015	

PERFORMANCE AS RECEIVED		
Frequency	1000.0	Hz
SPL	94.00	dB
SPL+20 dB	114.02	dB
Distortion	0.3	%
Battery Voltage	1.53	V

The calibration of this acoustic calibrator was performed using a test system conforming to the requirements of ANSI/NC SLZ540-1, 1994, ISO 17025, and ISO 9001-2008, Certification NQA No. 11252.

Was repair or adjustment performed? **No**
Were parts replaced? **No**
Were batteries replaced? **No**

Calibration procedure: Brüel & Kjær 4231, **20.2, 20140226.**

Calibration performed by *Harold Lynch*

FINAL PERFORMANCE		
Frequency	1000.0	Hz
SPL	94.00	dB
SPL+20 dB	114.02	dB
Distortion	0.3	%

Note: This calibrator was **within** manufacturer's specifications as received.

Harold Lynch, Service Manager

ODIN METROLOGY, INC.
3533 OLD CONEJO ROAD, SUITE 125
THOUSAND OAKS, CA 91320
PHONE: (805) 375-0830; FAX: (805) 375-0405

Appendix F Street Addresses for Modeled Noise Recievers

Table F-1 – Street Addresses for Modeled Receivers – Segment 1

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R1.1	2071 Ramsey Way, Pomona, CA 91767	SFR	2
R1.2/ST56	676 E La Verne Ave, Pomona, CA 91767	SFR	2
R1.3	694 E La Verne Ave, Pomona, CA 91767	SFR	4
R1.4	730 E La Verne Ave, Pomona, CA 91767	SFR	4
R1.5/ST60	766 E La Verne Ave, Pomona, CA 91767	SFR	5
R1.6/ST57	667 E La Verne Ave, Pomona, CA 91767	SFR	2
R1.7	699 E La Verne Ave, Pomona, CA 91767	SFR	5
R1.8	779 E La Verne Ave, Pomona, CA 91767	SFR	4
R1.9/LT27	860 E La Verne Ave, Pomona, CA 91767	SFR	8
R1.10	890 E La Verne Ave, Pomona, CA 91767	SFR	5
R1.11	936 E La Verne Ave, Pomona, CA 91767	SFR	4
R1.12	976 E La Verne Ave, Pomona, CA 91767	SFR	4
R1.13	1000 E La Verne Ave, Pomona, CA 91767	SFR	4
R1.14	1050 E La Verne Ave, Pomona, CA 91767	SFR	4
R1.15	1108 E La Verne Ave, Pomona, CA 91767	SFR	3
R1.16	2129 Crystal Pl, Pomona, CA 91767	SFR	4
R1.17	2108 Crystal Pl, Pomona, CA 91767	SFR	2
R1.18	750 W San Jose Ave, Claremont, CA 91711	MFR	6
R1.19	750 W San Jose Ave, Claremont, CA 91711	MFR	6
R1.20	750 W San Jose Ave, Claremont, CA 91711	MFR	4
R1.21	750 W San Jose Ave, Claremont, CA 91711	MFR	4
R1.22/ST65	Claremont Villas, 690 W San Jose Ave, Claremont, CA 91711	MFR	--
R1.23	Vista Villas Townhomes, 670 W San Jose Ave, Claremont, 91711	MFR	2
R1.24	Vista Villas Townhomes, 670 W San Jose Ave, Claremont, 91712	MFR	2
R1.25	Vista Villas Townhomes, 670 W San Jose Ave, Claremont, 91713	MFR	6
R1.26	Vista Villas Townhomes, 670 W San Jose Ave, Claremont, 91714	MFR	6
R1.27	Vista Villas Townhomes, 670 W San Jose Ave, Claremont, 91715	REC	1
R1.28/ST66	Rancho San Jose Park, 600 W San Jose Ave Claremont CA 91711	REC	1
R1.29	Rancho San Jose Park, 600 W San Jose Ave Claremont CA 91711	REC	1

Note:

- 1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MOT - motel;
- REC - recreational; COM - commercial.

Table F-1 – Street Addresses for Modeled Receivers – Segment 1 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R1.30	Claremont Cottages, 548 W San Jose Ave, Claremont, CA 91711	MFR	4
R1.31	Claremont Cottages, 548 W San Jose Ave, Claremont, CA 91712	MFR	6
R1.32/ST67	Claremont Cottages, 548 W San Jose Ave, Claremont, CA 91713	MFR	2
R1.33	Claremont Cottages, 548 W San Jose Ave, Claremont, CA 91714	MFR	1
R1.34	Claremont Cottages, 548 W San Jose Ave, Claremont, CA 91715	MFR	4
R1.35	Claremont Cottages, 548 W San Jose Ave, Claremont, CA 91716	MFR	6
R1.36	Claremont Cottages, 548 W San Jose Ave, Claremont, CA 91717	MFR	4
R1.37	Claremont Cottages, 548 W San Jose Ave, Claremont, CA 91718	MFR	2
R1.38	Kinder Kountry Daycare, 456 W San Jose Ave, Claremont, CA 91711	REC	1
R1.39	Howard Johnson Express Inn Claremont, 721 S Indian Hill Blvd, Claremont, CA 91711	MOT	8
R1.40	Howard Johnson Express Inn Claremont, 721 S Indian Hill Blvd, Claremont, CA 91711	MOT	8
R1.41/ST68	Howard Johnson Express Inn Claremont, 721 S Indian Hill Blvd, Claremont, CA 91711	MOT	1
R1.42A	Covenant United Methodist Church, 1750 N Towne Ave, Pomona, CA 91767	REC	1
R1.42B	Covenant United Methodist Church, 1750 N Towne Ave, Pomona, CA 91767	REC	1
R1.42/ST55	635 Elaine St, Pomona, CA 91767	SFR	4
R1.43	665 Elaine St, Pomona, CA 91767	SFR	4
R1.44/ST58	689 Elaine St, Pomona, CA 91767	SFR	5
R1.45	731 Elaine St, Pomona, CA 91767	SFR	3
R1.46	755 Elaine St, Pomona, CA 91767	SFR	4
R1.47	786 Briarwood Ln, Pomona, CA 91767	SFR	4
R1.48/ST59	795 Briarwood Ln, Pomona, CA 91767	SFR	1
R1.49	1989 Claremont Pl, Pomona, CA 91767	SFR	2
R1.50/ST61	Pomona Jaycee Park, 2000 N San Antonio Ave, Pomona, CA 91767	REC	1
R1.51	Pomona Jaycee Park, 2000 N San Antonio Ave, Pomona, CA 91768	REC	1
R1.52	Pomona Jaycee Park, 2000 N San Antonio Ave, Pomona, CA 91769	REC	1

Note:

- 1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MOT - motel;
REC - recreational; COM - commercial.

Table F-1 – Street Addresses for Modeled Receivers – Segment 1 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R1.53	897 Terryview Ave, Pomona, CA 91767	SFR	1
R1.54	917 Terryview Ave, Pomona, CA 91767	SFR	5
R1.55	963 Terryview Ave, Pomona, CA 91767	SFR	4
R1.56/LT28	987 Terryview Ave, Pomona, CA 91767	SFR	4
R1.57	1063 Terryview Ave, Pomona, CA 91767	SFR	5
R1.58	1103 Terryview Ave, Pomona, CA 91767	SFR	4
R1.59	1175 Terryview Ave, Pomona, CA 91767	SFR	1
R1.60/ST63	1187 Terryview Ave, Pomona, CA 91767	SFR	2
R1.61	2055 Wildrose Ave, Pomona, CA 91767	SFR	1
R1.62	2065 Palmgrove Ave, Pomona, CA 91767	SFR	2
R1.63	2072 Palmgrove Ave, Pomona, CA 91767	SFR	2
R1.64	2098 Marigold St, Pomona, CA 91767	SFR	4
R1.65	2075 San Simeon St, Pomona, CA 91767	SFR	1
R1.66/ST64	1188 Terryview Ave, Pomona, CA 91767	SFR	1
R1.67	Claremont Toyota, 601 Auto Center Dr, Claremont, CA 91711	COM	1
R1.68	NORMS Restaurant, 807 S Indian Hill Blvd, Claremont, CA 91711	COM	1

Note:

- 1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MOT - motel;
REC - recreational; COM - commercial.

Table F-2 – Street Addresses for Modeled Receivers – Segment 2

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R2.1/ST69	Claremont Lodge, 736 S Indian Hill Blvd, Claremont, CA 91711	MOT	1
R2.2	180 W San Jose Ave, Claremont, CA 91711	SFR	1
R2.3/ST71	120 W San Jose Ave, Claremont, CA 91711	MFR	1
R2.4/LT30	106 Belhaven Pl, Claremont, CA 91711	SFR	3
R2.5	138 Belhaven Pl, Claremont, CA 91711	SFR	3
R2.6	158 Belhaven Pl, Claremont, CA 91711	SFR	2
R2.7/ST75A	City Blessing Church, 735 Mills Ave, Claremont, CA 91711	SCH	1
R2.8	312 E San Jose Ave, Claremont, CA 91711	SFR	3
R2.9	9473 Mills Ave, Montclair, CA 91763	MFR	2
R2.10	9453 Mills Ave, Montclair, CA 91763	MFR	1
R2.11/ST75	4435 Bonnie Brae St # 1-4, Montclair, CA 91763	MFR	1
R2.12	4455 Bonnie Brae St, Montclair, CA 91763	MFR	2
R2.13	4475 Bonnie Brae St, Montclair, CA 91763	MFR	2
R2.14/ST76	4495 Bonnie Brae St, Montclair, CA 91763	MFR	--
R2.15	4531 Bonnie Brae St, Montclair, CA 91763	SFR	5
R2.16	4569 Bonnie Brae St, Montclair, CA 91763	SFR	5
R2.17	4599 Bonnie Brae St, Montclair, CA 91763	SFR	2
R2.18/LT32	9451 Felipe Ave, Montclair, CA 91763	SFR	2
R2.19	9421 Felipe Ave, Montclair, CA 91763	SFR	2
R2.20	9444 Ramona Ave, Montclair, CA 91763	SFR	2
R2.21	9405 Ramona Ave, Montclair, CA 91763	SFR	3
R2.22	9443 Camulos Ave, Montclair, CA 91763	SFR	1
R2.23	Serrano Middle School, 4725 San Jose St, Montclair, CA 91763	SCH	1
R2.24	Serrano Middle School, 4725 San Jose St, Montclair, CA 91763	SCH	1
R2.25	Serrano Middle School, 4725 San Jose St, Montclair, CA 91763	SCH	1
R2.25A	Serrano Middle School, 4725 San Jose St, Montclair, CA 91763	SCH	1
R2.26	9432 Shadowood Dr, Montclair, CA 91763	MFR	2
R2.27	9431 Shadowood Dr, Montclair, CA 91763	MFR	2
R2.28	9424 Round Up Dr, Montclair, CA 91763	MFR	2
R2.29/ST77	9423 Round Up Dr, Montclair, CA 91763	MFR	2
R2.30	9405 Mesa Verde Dr, Montclair, CA 91763	REC	2

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-2 – Street Addresses for Modeled Receivers – Segment 2 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R2.31/ST70	Hotel Claremont and Tennis Club, 840 S Indian Hill Blvd, Claremont, CA 91711	REC	1
R2.32	833 Drake Ave, Claremont, CA 91711	SFR	1
R2.33	821 Drake Ave, Claremont, CA 91711	SFR	4
R2.34/LT29	807 Drake Ave, Claremont, CA 91711	SFR	4
R2.35	841 Drake Ave, Claremont, CA 91711	SFR	2
R2.36	814 Drake Ave, Claremont, CA 91711	SFR	2
R2.37	823 S College Ave, Claremont, CA 91711	SFR	2
R2.38/ST72	790 S College Ave, Claremont, CA 91711	SFR	1
R2.39	125 Bryn Mawr Rd, Claremont, CA 91711	SFR	4
R2.40	149 Bryn Mawr Rd, Claremont, CA 91711	SFR	3
R2.41	173 Bryn Mawr Rd, Claremont, CA 91711	SFR	4
R2.42/ST73	201 Bryn Mawr Rd, Claremont, CA 91711	SFR	3
R2.43	215 Bryn Mawr Rd, Claremont, CA 91711	SFR	1
R2.44A	134 Bryn Mawr Rd, Claremont, CA 91711	SFR	7
R2.44B	180 Bryn Mawr Rd, Claremont, CA 91711	SFR	5
R2.44	193 Brown Dr, Claremont, CA 91711	SFR	1
R2.45	4367 Palo Verde St, Montclair, CA 91763	SFR	1
R2.46	9563 Mills Ave, Montclair, CA 91763	SFR	3
R2.47	9539 Pradera Ave, Montclair, CA 91763	SFR	3
R2.48/ST74	9539 Pradera Ave, Montclair, CA 91763	SFR	--
R2.49	4422 Cambridge St, Montclair, CA 91763	SFR	5
R2.50	4462 Cambridge St, Montclair, CA 91763	SFR	6
R2.51/LT31	9512 Camulos Ave, Montclair, CA 91763	SFR	4
R2.52	9511 Camulos Ave, Montclair, CA 91763	SFR	2
R2.53	9529 Ramona Ave, Montclair, CA 91763	SFR	4
R2.54	9529 Camulos Ave, Montclair, CA 91763	SFR	2
R2.55	9548 Camulos Ave, Montclair, CA 91763	SFR	2
R2.56	9547 Camulos Ave, Montclair, CA 91763	SFR	2
R2.57	9511 Helena Ave, Montclair, CA 91763	SFR	2
R2.58	9532 Bolton Ave, Montclair, CA 91763	SFR	4
R2.59/ST78	9511 Bolton Ave, Montclair, CA 91763	SFR	--
R2.60	9511 Bolton Ave, Montclair, CA 91763	SFR	2
R2.61	9532 Tudor Ave, Montclair, CA 91763	SFR	4
R2.62	9514 Surrey Ave, Montclair, CA 91763	SFR	4
R2.63/ST79	4862 Yale St, Montclair, CA 91763	SFR	7
R2.64	9531 Tudor Ave, Montclair, CA 91763	SFR	4
R2.65	4878 Cambridge St, Montclair, CA 91763	SFR	2

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-3 – Street Addresses for Modeled Receivers – Segment 3

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R3.1/ST112	9405 Monte Vista Ave, Montclair, CA 91763	COM	1
R3.2	4959 Palo Verde St, Montclair, CA 91763	MFR	4
R3.3	5029 Palo Verde St, Montclair, CA 91763	MFR	2
R3.4	5099 Palo Verde St, Montclair, CA 91763	MFR	6
R3.5	9414 Carrillo Ave, Montclair, CA 91763	MFR	4
R3.5A	9404 Carrillo Ave, Montclair, CA 91763	MFR	2
R3.6	9444 Carrillo Ave, Montclair, CA 91763	MFR	4
R3.7/ST80	9404 Carrillo Ave, Montclair, CA 91763	--	--

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial.

Table F-4 – Street Addresses for Modeled Receivers – Segment 4

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R4.1	Boomers, 1500 W 7th St, Upland, CA 91786	REC	1
R4.1A	Canyon Club Apartments, 1539 W 7th Street, Upland, CA 91786	MFR	20
R4.1B	Villa Montclair, 5580 Moreno Street, Montclair CA 91763	MH	2
R4.2	Boomers, 1500 W 7th St, Upland, CA 91786	REC	1
R4.3	Boomers, 1500 W 7th St, Upland, CA 91786	REC	1
R4.4	Boomers, 1500 W 7th St, Upland, CA 91786	REC	1
R4.5	Super 8 Motel, 1282 W 7th St Upland, CA 91786	MOT	7
R4.6	9332 Rose Ave, Montclair, CA 92763	SFR	2
R4.7	9312 Rose Ave, Montclair, CA 91763	SFR	2
R4.8	9315 Rose Ave, Montclair, CA 91763	SFR	2
R4.9	5384 San Jose St, Montclair, CA 91763	SFR	2
R4.10	5422 San Jose St, Montclair, CA 91763	SFR	3
R4.11	5446 San Jose St, Montclair, CA 91763	SFR	4
R4.12/ST81	MacArthur Park, Montclair, CA 91763	REC	1
R4.13	5462 Deodar St, Montclair, CA 91763	SFR	3
R4.14	9242 Vernon Ave, Montclair, CA 91763	SFR	1
R4.15	9221 Vernon Ave, Montclair, CA 91763	SFR	3
R4.16	9231 Vernon Ave, Montclair, CA 91763	SFR	3
R4.17	9241 Vernon Ave, Montclair, CA 91763	SFR	3
R4.18/ST82	5554 Caroline St, Montclair, CA 91763	SFR	--
R4.19	5610 Caroline St, Montclair, CA 91763	SFR	6
R4.20	5636 Caroline St, Montclair, CA 91763	SFR	3
R4.21	5686 Caroline St, Montclair, CA 91763	SFR	4
R4.22/ST83	5676 Carolina St, Montclair, CA 92763	SFR	4
R4.23	1553 N. Jasmine Ct, Ontario, CA 91762	SFR	4
R4.24	1553 N. Iris Ct, Ontario, CA 91762	SFR	4
R4.25/LT33	1553 N. Helen Ct, Ontario, CA 91762	SFR	3
R4.26	1555 N. Oaks Ct, Ontario, CA 91762	SFR	3
R4.27	1560 N. Gardenia Ct, Ontario, CA 91762	SFR	3
R4.28/ST84	1552 Fuchsia Ave, Ontario, CA 91762	SFR	2
R4.29	1560 N. Elderberry Ct, Ontario, CA 91762	SFR	5
R4.30/ST85	1558 N. Dahlia Ct, Ontario, CA 91762	SFR	3
R4.31	1546 N. Dahlia Ct, Ontario, CA 91762	SFR	3
R4.32	1535 N. Jasmine Ct, Ontario, CA 91762	SFR	4
R4.33	1546 N. Jasmine Ct, Ontario, CA 91762	SFR	2
R4.34	1546 N. Iris Ct, Ontario, CA 91762	SFR	8
R4.35	1574 N. Gardenia Ct, Ontario, CA 91762	SFR	6
R4.36	1547 N. Fuchsia Ave, Ontario, CA 91762	SFR	4
R4.37	1548 N. Fuchsia Ave, Ontario, CA 91762	SFR	4
R4.38	1539 N. Dahlia Ct, Ontario, CA 91762	SFR	4
R4.39	1536 N. Dahlia Ct, Ontario, CA 91762	SFR	1

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; CEM - Cemetery; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-5 – Street Addresses for Modeled Receivers – Segment 5

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R5.1	1080 W 7th St, Upland, CA 91786	MFR	10
R5.2	1040 W 7th St, Upland, CA 91786	MFR	10
R5.3	968 W 7th St, Upland, CA 91786	MFR	10
R5.4	933 Azure Ct, Upland, CA 91786	SFR	2
R5.5	934 Azure Ct, Upland, CA 91786	SFR	2
R5.6/LT34/CAL	928 Azure Ct, Ontario, CA 91786	SFR	3
R5.7	896 Azure Ct, Ontario, CA 91786	SFR	3
R5.8	840 Azure Ct, Ontario, CA 91786	SFR	3
R5.9	808 Azure Ct, Ontario, CA 91786	SFR	3
R5.9A	907 Azure Ct, Ontario, CA 91786	SFR	3
R5.9B	819 Azure Ct, Ontario, CA 91786	SFR	2
R5.10/ST90	754 Azure Ct, Upland, CA 91786	SFR	3
R5.11	686 Azure Ct, Upland, CA 91786	SFR	4
R5.12	572 Azure Ct, Upland, CA 91786	SFR	4
R5.13	548 Azure Ct, Upland, CA 91786	SFR	3
R5.14/ST91	436 S Shasta Wy, Upland, CA 91786	SFR	3
R5.15	430 S Shasta Wy, Upland, CA 91786	SFR	4
R5.16	340 Azure Ct, Upland, CA 91786	SFR	5
R5.17	212 Azure Ct, Upland, CA 91786	SFR	4
R5.17A	655 Azure Ct, Upland, CA 91786	SFR	4
R5.17B	319 Azure Ct, Upland, CA 91786	SFR	1
R5.18	148 W 7th St, Upland, CA 91786	SFR	6
R5.19/ST93	Westwood College, 20 W 7th St., Upland, CA 91786	SCH	1
R5.20/ST87	920 W 6th St, Ontario, CA 91762	SCH	1
R5.21	920 W 6th St, Ontario, CA 91762	SCH	1
R5.21A	Church of Christ, 1550 N Palmetto Ave, Ontario, CA 91762	REC	1
R5.21B	Church of Christ, 1550 N Palmetto Ave, Ontario, CA 91762	REL	1
R5.21C	Wingnuts, 1520 N Mountain Ave #111, Ontario, CA 91762	COM	1
R5.22	1559 N Boulder Ave, Ontario, CA 91762	SFR	2
R5.23	1560 N Boulder Ave, Ontario, CA 91762	SFR	4
R5.24/ST88	1559 Granite Ave, Ontario, CA 91762	--	--
R5.25	1555 N Cypress Ave, Ontario, CA 91762	SFR	4
R5.26	1559 N San Antonio Ave, Ontario, CA 91762	SFR	1
R5.27	1541 N Boulder Ave, Ontario, CA 91762	SFR	2
R5.28	1535 Granite Ave, Ontario, CA 91762	SFR	6
R5.29	1535 N Cypress Ave, Ontario, CA 91762	SFR	5
R5.30	1540 N Cypress Ave, Ontario, CA 91762	SFR	2
R5.31/ST89	1551 N San Antonio Ave, Ontario, CA 91762	SFR	3

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; CEM - Cemetery; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-5 – Street Addresses for Modeled Receivers – Segment 5 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R5.32	1553 N Amber Ct, Ontario, CA 91762	SFR	2
R5.33	1557 N Beverly Ct, Ontario, CA 91762	SFR	4
R5.34/LT35/CAL	1555 N Oakland Ct, Ontario, CA 91762	SFR	4
R5.35	1555 Bonita Ct, Ontario, CA 91762	SFR	4
R5.36/ST92	1560 N Bonita Ct, Ontario, CA 91762	SFR	4
R5.37	1539 N Amber Ct, Ontario, CA 91762	SFR	2
R5.38	1543 N Beverly Ct, Ontario, CA 91762	SFR	6
R5.39	1544 N Beverly Ct, Ontario, CA 91762	SFR	4
R5.40	1538 N Oakland Ct, Ontario, CA 91762	SFR	3
R5.41	439 W Caroline Ct, Ontario, CA 91762	SFR	2
R5.42	438 W Caroline Ct, Ontario, CA 91762	SFR	2
R5.43	1551 Kenmore Ct, Ontario, CA 91762	SFR	6
R5.44	308 W Caroline Ct, Ontario, CA 91762	SFR	1
R5.45	234 W Caroline Ct, Ontario, CA 91762	SFR	3
R5.46	212 W Caroline Ct, Ontario, CA 91762	SFR	2
R5.47/ST94	124 W Caroline Ct, Ontario, CA 91762	SFR	2
R5.48	110 W Caroline Ct, Ontario, CA 91762	SFR	1

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; CEM - Cemetery; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-6 – Street Addresses for Modeled Receivers – Segment 6

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R6.1/ST93A	77 E 7th St, Upland, CA 91786	COM	1
R6.1A	Kingdom Hall of Jehovah's Witness, 150 E 7th St, Upland, CA 91786	REL	1
R6.2/ST96A	265 E 7th St, Upland, CA 91786	SFR	5
R6.2A	Golden Medical Plaza, 360 E 7th Street, Upland, CA 91786	MED	2
R6.3	Oparc Resource Center, 436 S Sultana Ave, Upland, CA 91786	NP	1
R6.4/ST96	479 Richland St, Upland, CA 91786	MFR	--
R6.5	571 Richland St, Upland, CA 91786	MFR	2
R6.6/ST97	650 Richland St, Upland, CA 91786	REC	1
R6.7	455 S Campus Ave, Upland, CA 91786	REC	1
R6.8A	754 Sycamore Ct, Upland, CA 91786	MFR	2
R6.8-1	791 Richland St, Upland, CA 91786	MFR	8
R6.8-2	791 Richland St, Upland, CA 91786	MFR	8
R6.9-1	843 Richland St, Upland, CA 91786	MFR	6
R6.9-2	843 Richland St, Upland, CA 91786	MFR	6
R6.10-1	885 Richland St, Upland, CA 91786	MFR	6
R6.10-2	885 Richland St, Upland, CA 91786	MFR	6
R6.11/LT37	768 Richland St, Upland, CA 91786	MFR	1
R6.11A/ST97A	768 Richland St, Upland, CA 91786	MFR	--
R6.12	1541 N Hope Ave, Ontario, CA 91764	SFR	1
R6.13-2	1540 N Hope Ave, Ontario, CA 91764	MFR	5
R6.14	860 E Deodar St, Ontario, CA 91764	MFR	2
R6.15	902 E Deodar St, Ontario, CA 91764	MFR	2
R6.16/ST100	916 E. Deodar St, Ontario, CA 91764	MFR	5
R6.17	1544 Euclid Ave, Ontario, CA 91764	SFR	3
R6.18	209 E Deodar St, Ontario, CA 91764	SFR	3
R6.19	229 E Deodar St, Ontario, CA 91764	SFR	2
R6.20	1556 N Columbia Ave, Ontario, CA 91764	SFR	1
R6.21	312 E Alvarado St, Ontario, CA 91764	SFR	9
R6.22/LT36	416 Alvarado St, Ontario, CA 91764	SFR	10

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel; MED - medical facility; NP - nonprofit.

Table F-6 – Street Addresses for Modeled Receivers – Segment 6 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R6.23	Edison Elementary School, 515 E 6th St, Ontario, CA 91764	SCH	1
R6.24	Edison Elementary School, 515 E 6th St, Ontario, CA 91764	SCH	1
R6.25	Edison Elementary School, 515 E 6th St, Ontario, CA 91764	SCH	1
R6.26	1557 N Pleasant Ave, Ontario, CA 91764	SFR	2
R6.27/ST95	1557 Pleasant Ave, Ontario, CA 91764	SFR	--
R6.28	1555 N Monterey Ave, Ontario, CA 91764	SFR	4
R6.29	1552 N Monterey Ave, Ontario, CA 91764	SFR	2
R6.30/ST98	1549 N Miramonte Ave, Ontario, CA 91764	SFR	--
R6.31	1550 N Miramonte Ave, Ontario, CA 91764	SFR	3
R6.32	1547 N Pleasant Ave, Ontario, CA 91764	SFR	1
R6.33	1544 N Pleasant Ave, Ontario, CA 91764	SFR	2
R6.34	1545 N Miramonte Ave, Ontario, CA 91764	SFR	2
R6.35	1533 N Campus Ave, Ontario, CA 91764	SFR	3
R6.36/ST99A	709 E. Deodar St, Ontario, CA 91764	SFR	4
R6.37	731 E Deodar St, Ontario, CA 91764	SFR	4
R6.38	751 E Deodar St, Ontario, CA 91764	SFR	3
R6.39/ST99	809 E 6th St, Ontario, CA 91764	SFR	2
R6.40	831 E 6th St, Ontario, CA 91764	SFR	2
R6.40A	720 E Deodar St, Ontario, CA 91764	SFR	5

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel; MED - medical facility; NP - nonprofit.

Table F-7 – Street Addresses for Modeled Receivers – Segment 7

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R7.1	Little Learners Preschool, 965 E 6th St, Ontario, CA 91764	SCH	1
R7.2	962 E 6th St, Ontario, CA 91764	SFR	3
R7.3	1004 E 6th St, Ontario, CA 91764	SFR	1
R7.4/LT38	1010 E. 6th St, Ontario, CA 91764	SFR/MFR	4
R7.5	1034 E 6th St, Ontario, CA 91764	REC	1
R7.6	1052 E 6th St, Apt 23 & 24, Ontario, CA 91764	MFR	6
R7.7	1052 E 6th St, Apt 25 & 26, Ontario, CA 91764	MFR	2
R7.8	1052 E 6th St, Apt 27 & 28, Ontario, CA 91764	MFR	2
R7.9	1052 E 6th St, Apt 1 & 2, Ontario, CA 91764	MFR	2
R7.10	1103 E. La Deney Ct, Ontario, CA 91764	MFR	3
R7.11	1401 Virginia Ave, Ontario, CA 91764	MFR	6
R7.12	1402 Virginia Ave, Ontario, CA 91764	MFR	1
R7.13	1336 Virginia Ave, Ontario, CA 91764	MFR	4
R7.14	1314 Virginia Ave, Ontario, CA 91764	MFR	1
R7.15/ST103	1233 E. 5th St, Ontario, CA 91764	MFR	2
R7.16	1306 N. Grove Ave, Ontario, CA 91764	SFR	1
R7.17	1321 E. 5th St, Ontario, CA 91764	SFR	1
R7.18	1512 E. 5th St, Ontario, CA 91764	MH	4
R7.18A	1203 N El Dorado Ave, Ontario, CA 91764	SFR	2
R7.19/ST104	1512 E. 5th St, Ontario, CA 91764	MH	2
R7.20	1512 E. 5th St, Ontario, CA 91764	MH	8
R7.21	1512 E. 5th St, Ontario, CA 91764	MH	3
R7.22	1512 E. 5th St, Ontario, CA 91764	MH	3
R7.23	1512 E. 5th St, Ontario, CA 91764	MH	4
R7.24	1512 E. 5th St, Ontario, CA 91764	MH	2
R7.25	858 E 6th St, Ontario, CA 91764	SFR	2
R7.26	1441 N. Allyn Ave, Ontario, CA 91764	SFR	2
R7.27	1429 N. Orchard Lane, Ontario, CA 91764	SFR	3
R7.28/ST101	1429 N. Orchard Lane, Ontario, CA 91764	SFR	--
R7.29	1417 N. Orchard Lane, Ontario, CA 91764	SFR	4
R7.30	1416 N. Orchard Lane, Ontario, CA 91764	SFR	2
R7.31	1361 N. Council Ave, Ontario, CA 91764	SFR	4
R7.32	1356 N. Council Ave, Ontario, CA 91764	SFR	1
R7.33	1340 N. Holmes Court, Ontario, CA 91764	SFR	2
R7.34/LT39	1336 N. Holmes Court, Ontario, CA 91764	SFR	1
R7.35	1323 N. La Paloma Ave, Ontario, CA 91764	SFR	3
R7.36	1320 N. La Paloma Ave, Ontario, CA 91764	SFR/MFR	6
R7.36A	1117 E 5th St, Ontario, CA 91764	SFR	2
R7.37	1106 E. 5th St, Ontario, CA 91764	SFR	1
R7.38/ST102	1128 E. 5th St, Ontario, CA 91764	SFR	--
R7.39	1128 E. 5th St, Ontario, CA 91764	SFR	2
R7.40	West Coast Inn, 1211 N Grove Ave, Ontario, CA 91764	MOT	2
R7.41	Travelodge, 1150 N Grove Ave, Ontario, CA 91764	REC	1
R7.42	Days Inn, 1405 E 4th St, Ontario, CA 91764	REC	1
R7.43	Days Inn, 1405 E 4th St, Ontario, CA 91764	MOT	2
R7.44	Days Inn, 1405 E 4th St, Ontario, CA 91764	MOT	2

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-8 – Street Addresses for Modeled Receivers – Segment 8

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R8.1	Fire Station, 1530 E 4th St, Ontario, CA 91764	FS	1
R8.2-1	Motel 6, 1560 E 4th St, Ontario, CA 91764	MOT	12
R8.2-2	Motel 6, 1560 E 4th St, Ontario, CA 91764	MOT	12
R8.3/ST106	Motel 6, 1560 E 4th St, Ontario, CA 91764	MOT	1
R8.4	947 N Mariposa Ave, Ontario, CA 91764	SFR	2
R8.5	935 N Mariposa Ave, Ontario, CA 91764	SFR	2
R8.6	1666 E Granada Ct, Ontario, CA 91764	SFR	3
R8.7/LT41/CAL	1702 E Granada Ct, Ontario, CA 91764	SFR	5
R8.8	1728 E Granada Ct, Ontario, CA 91764	SFR	7
R8.9	1780 E Granada Ct, Ontario, CA 91764	SFR	9
R8.10/ST109	1828 E Granada Ct, Ontario, CA 91764	SFR	9
R8.11	1866 E Granada Ct, Ontario, CA 91764	SFR	4
R8.12	1882 E Granada Ct, Ontario, CA 91764	SFR	3
R8.13	1896 E Granada Ct, Ontario, CA 91764	SFR	2
R8.14	1757 E Granada Ct, Ontario, CA 91764	SFR	1
R8.14A	924 N Mariposa Ave, Ontario, CA 91764	SFR	1
R8.14B	1743 E Granada Ct, Ontario, CA 91764	SFR	4
R8.14C	1801 E Granada Ct, Ontario, CA 91764	SFR	8
R8.15	1875 E Granada Ct, Ontario, CA 91764	SFR	2
R8.16	1301 E Fresno St, Ontario, CA 91764	SFR	3
R8.17	1317 E Fresno St, Ontario, CA 91764	SFR	2
R8.18	1339 E Fresno St, Ontario, CA 91764	SFR	4
R8.19/ST107	1415 E Fresno St, Ontario, CA 91764	SFR	5
R8.20	1441 E Fresno St, Ontario, CA 91764	SFR	5
R8.21	1527 E Fresno St, Ontario, CA 91764	SFR	5
R8.22/LT40/CAL	1553 E Fresno St, Ontario, CA 91764	SFR	3
R8.23	1559 E Fresno St, Ontario, CA 91764	SFR	1
R8.24/ST105	1041 N Glenn Ave, Ontario, CA 91764	SFR	2
R8.24A	1056 N El Dorado Ave, Ontario, CA 91764	SFR	2
R8.25	1028 N Glenn Ave, Ontario, CA 91764	SFR	3
R8.26	1006 N Humboldt Ave, Ontario, CA 91764	SFR	2
R8.27	942 N Lake Ave, Ontario, CA 91764	SFR	2
R8.28	928 N Lassen Ave, Ontario, CA 91764	SFR	2
R8.29	1531 East I St, Ontario, CA 91764	SFR	3
R8.29A	854 N Baker Ave, Ontario, CA 91764	SFR	2
R8.30	854 N Madera Ave, Ontario, CA 91764	SFR	1

Notes:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MOT - motel; REC - recreational/park; REL - religious institution; COM - Commercial; FS - Fire Station.

Table F-8 – Street Addresses for Modeled Receivers – Segment 8 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R8.31	The Waverly Apt, 1675 East G St, Ontario, CA 91764	REC	1
R8.32-1	The Waverly Apt, 1657 East G St, Ontario, CA 91764	MFR	3
R8.32-2	The Waverly Apt, 1657 East G St, Ontario, CA 91764	MFR	3
R8.33-1	The Waverly Apt, 1655 East G St, Ontario, CA 91764	MFR	2
R8.33-2	The Waverly Apt, 1655 East G St, Ontario, CA 91764	MFR	2
R8.34-1/ST108	The Waverly Apt, 1661 East G St, Ontario, CA 91764	MFR	3
R8.34-2	The Waverly Apt, 1661 East G St, Ontario, CA 91764	MFR	3
R8.35	The Waverly Apt, Pool Area, 1655 East G St, Ontario, CA 91764	REC	1
R8.36-1	The Waverly Apt, 1663 East G St, Ontario, CA 91764	MFR	2
R8.36-2	The Waverly Apt, 1663 East G St, Ontario, CA 91764	MFR	2
R8.37	The Waverly Townhomes, Building II, 1733 East G St, Ontario, CA 91764	MFR	3
R8.38	The Waverly Townhomes, Building FF, 1733 East G St, Ontario, CA 91764	MFR	4
R8.39	The Waverly Townhomes, Building II, 1733 East G St, Ontario, CA 91764	MFR	2
R8.40	The Waverly Townhomes, Pool Area, 1733 East G St, Ontario, CA 91764	REC	1
R8.41	The Waverly Townhomes, Building HH, 1733 East G St, Ontario, CA 91764	MFR	3
R8.42-1	The Waverly Townhomes, Building GG, 1733 East G St, Ontario, CA 91764	MFR	2
R8.42-2	The Waverly Townhomes, Building GG, 1733 East G St, Ontario, CA 91764	MFR	2
R8.43-1	The Waverly Townhomes, Building GG, 1733 East G St, Ontario, CA 91764	MFR	2
R8.43-2	The Waverly Townhomes, Building GG, 1733 East G St, Ontario, CA 91764	MFR	2
R8.44-1	The Waverly Townhomes, Building CC, 1733 East G St, Ontario, CA 91764	MFR	3
R8.44-2	The Waverly Townhomes, Building CC, 1733 East G St, Ontario, CA 91764	MFR	3
R8.45-1	The Waverly Townhomes, Building Z, 1737 East G St, Ontario, CA 91764	MFR	2
R8.45-2	The Waverly Townhomes, Building Z, 1737 East G St, Ontario, CA 91764	MFR	2
R8.46-1	The Waverly Townhomes, Building Z, 1737 East G St, Ontario, CA 91764	MFR	3
R8.46-2	The Waverly Townhomes, Building Z, 1737 East G St, Ontario, CA 91764	MFR	3
R8.47-1	The Waverly Townhomes, Building Y, 1737 East G St, Ontario, CA 91764	MFR	2
R8.47-2	The Waverly Townhomes, Building Y, 1737 East G St, Ontario, CA 91764	MFR	2

Notes:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MOT - motel; REC - recreational/park; REL - religious institution; COM - Commercial; FS - Fire Station.

Table F-8 – Street Addresses for Modeled Receivers – Segment 8 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R8.48-1	Ontario Airport Inn, 1801 East G St, Ontario, CA 91764	MOT	12
R8.48-2	Ontario Airport Inn, 1801 East G St, Ontario, CA 91764	MOT	12
R8.48-3	Ontario Airport Inn, 1801 East G St, Ontario, CA 91764	MOT	12
R8.49	Ontario Airport Inn, 1801 East G St, Ontario, CA 91764	MOT	1
R8.50/ST110	Ramada Inn, 1841 East G St, Ontario, CA 91764	MOT	1
R8.50A-1	Ramada Inn, 1841 East G St, Ontario, CA 91764	MOT	3
R8.50A-2	Ramada Inn, 1841 East G St, Ontario, CA 91764	MOT	3
R8.50B-1	Ramada Inn, 1841 East G St, Ontario, CA 91764	MOT	3
R8.50B-2	Ramada Inn, 1841 East G St, Ontario, CA 91764	MOT	3
R8.50C-1	Ramada Inn, 1841 East G St, Ontario, CA 91764	MOT	3
R8.50C-2	Ramada Inn, 1841 East G St, Ontario, CA 91764	MOT	3
R8.51/ST111	Quality Inn, 514 N Vineyard Ave, Ontario, CA 91764	MOT	1

Notes:

- 1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MOT - motel; REC - recreational/park; REL - religious institution; COM - Commercial; FS - Fire Station.

Table F-9 – Street Addresses for Modeled Receivers – Segment 9

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS	
			ALT 2	ALT 3
R9.1/LT1	10245 Almond Ave, Fontana, CA 92335	SFR/MFR	4	4
R9.2/ST1	14609 Washington Dr, Fontana, CA 92335	SFR	2	2
R9.3	14610 Washington Dr, Fontana, CA 92335	SFR	1	1
R9.4	14663 Washington Dr, Fontana, CA 92335	SFR	6	9
R9.5/ST2	10287 Redwood Ave, Fontana, CA 92335	SFR	7	--
R9.6	14735 Washington Dr, Fontana, CA 92335	SFR	8	8
R9.7	14770 Washington Dr, Fontana, CA 92335	SFR	4	4
R9.8	14833 Washington Dr, Fontana, CA 92335	SFR	3	3
R9.9	14855 Washington Dr, Fontana, CA 92335	SFR	4	2
R9.10	14875 Washington Dr, Fontana, CA 92335	SFR	2	1
R9.11	14931 Washington Dr, Fontana, CA 92335	SFR/MFR	6	5
R9.12/LT2/CAL	15021 Washington Dr, Fontana, CA 92335	SFR	--	--
R9.13	15021 Washington Dr, Fontana, CA 92335	SFR	2	2
R9.14	15067 Washington Dr, Fontana, CA 92335	SFR	2	1
R9.15	15084 Washington Dr, Fontana, CA 92335	SFR	6	6
R9.16	15114 Washington Dr, Fontana, CA 92335	SFR	4	4
R9.17	15193 Washington Dr, Fontana, CA 92335	SFR/MFR	12	4
R9.17A	10290 Beech Ave, Fontana, CA 92335	SFR	1	--
R9.17B	10298 Elm Ave, Fontana, CA 92335	COM	1	1
R9.18	10298 Catawba Ave, Fontana, CA 92335	COM	1	1
R9.19	14561 Boyle Ave, Fontana, CA 92337	SFR	3	3
R9.20	14592 Boyle Ave, Fontana, CA 92337	SFR	3	3
R9.21	14652 Boyle Ave, Fontana, CA 92337	SFR/MFR	10	10
R9.22/ST3	10388 Redwood Ave, Fontana, CA 92337	SFR	2	2
R9.23/ST3A/CAL	10338 Redwood Ave, Fontana, CA 92337	COM	1	1
R9.25	14730 Boyle Ave, Fontana, CA 92337	SFR	3	3
R9.26	14780 Boyle Ave, Fontana, CA 92337	SFR	3	3
R9.27	10430 Hemlock Ave, Fontana, CA 92337	SFR	1	1
R9.28	10409 Hemlock Ave, Fontana, CA 92337	SFR	1	1
R9.29	15264 Boyle Ave, Fontana, CA 92337	SFR/MFR	3	3
R9.30	10422 Sultana Ave, Fontana, CA 92337	SFR	3	3
R9.31/ST4	10338 Poplar Ave, Fontana, CA 92337	COM	1	1
R9.32	10355 Poplar Ave, Fontana, CA 92337	SFR	1	1
R9.33	15798 Slover Ave, Fontana, CA 92337	SFR	6	6
R9.34	15859 Boyle Ave, Fontana, CA 92337	SFR	5	5
R9.35/LT3	15842 Boyle Ave, Fontana, CA 92337	COM	1	1
R9.36	15862 Boyle Ave, Fontana, CA 92337	SFR	3	3
R9.37	16144 Boyle Ave, Fontana, CA 92337	SFR	3	3
R9.38	16032 Boyle Ave, Fontana, CA 92337	SFR	2	2

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-10 – Street Addresses for Modeled Receivers – Segment 10

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R10.1/ST6	16226 Washington Dr, Fontana, CA 92335	SFR	1
R10.2	16260 Washington Dr, Fontana, CA 92335	SFR	3
R10.3	16296 Washington Dr, Fontana, CA 92335	SFR	1
R10.4	16295 Washington Dr, Fontana, CA 92335	SFR	2
R10.5/LT4/CAL	10241 Oleander Ave, Fontana, CA 92335	SFR	1
R10.6	16353 Balsam Ave, Fontana, CA 92335	SFR	4
R10.7	16364 Washington Dr, Fontana, CA 92335	SFR	5
R10.8	16395 Balsam Ave, Fontana, CA 92335	SFR	5
R10.9	16422 Washington Dr, Fontana, CA 92335	SFR	4
R10.9A	16442 Washington Dr, Fontana, CA 92335	SFR	1
R10.10	16449 Balsam Ave, Fontana, CA 92235	SFR	5
R10.11	16470 Washington Dr, Fontana, CA 92335	SFR	2
R10.12	16546 Washington Dr, Fontana, CA 92335	SFR	1
R10.13	16592 Washington Dr, Fontana, CA 92335	SFR	3
R10.14	Pancho Villas, 10210 Juniper Ave, Fontana, CA 92335	COM	1
R10.15/ST5	16120 Boyle Ave, Fontana, CA 92337	SFR	4
R10.16	16222 Boyle Ave, Fontana, CA 92337	SFR	7
R10.16A/ST7/CAL	16222 Boyle Ave, Fontana, CA 92337	--	--
R10.17	10349 Oleander Ave, Fontana, CA 92337	SFR	7
R10.18	16398 Boyle Ave, Fontana, CA 92337	SFR	3
R10.19	10372 Palm Dr, Fontana, CA 92337	SFR	5
R10.20/LT5/CAL	10350 Palm Dr, Fontana, CA 92337	SFR	4
R10.20A	16645 Boyle Ave, Fontana, CA 92337	SFR	16
R10.21	96666 Boyle Ave, Fontana, CA 92337	COM	1
R10.22	16748 Boyle Ave, Fontana, CA 92337	SFR	2
R10.23	16860 Slover Ave, Fontana, CA 92337	SFR	12
R10.24	16868 Boyle Ave, Fontana, CA 92337	SFR	2

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-11 – Street Addresses for Modeled Receivers – Segment 11

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R11.1	Motel 6, 10195 Sierra Avenue, Fontana, CA 92335	MOT	1
R11.2	Motel 6, 10195 Sierra Avenue, Fontana, CA 92335	MOT	8
R11.2A	Economy Lodge, 17133 Valley Boulevard, Fontana, CA 92335	MOT	4
R11.3	Sierra Mobile Estates 17333 Valley Boulevard, Fontana, CA 92335	MH	6
R11.4/LT6/CAL	Sierra Mobile Estates 17333 Valley Boulevard, Fontana, CA 92335	MH	16
R11.5	Sierra Mobile Estates 17333 Valley Boulevard, Fontana, CA 92335	MH	8
R11.6	Sierra Mobile Estates 17333 Valley Boulevard, Fontana, CA 92335	MH	3
R11.7	Sierra Mobile Estates 17333 Valley Boulevard, Fontana, CA 92335	MH	3
R11.8	Sierra Mobile Estates 17333 Valley Boulevard, Fontana, CA 92335	MH	6
R11.9	Sierra Mobile Estates 17333 Valley Boulevard, Fontana, CA 92335	MH	17
R11.10	Sierra Mobile Estates 17333 Valley Boulevard, Fontana, CA 92335	MH	13
R11.11	Sierra Mobile Estates 17333 Valley Boulevard, Fontana, CA 92335	MH	13
R11.12	Sierra Mobile Estates 17333 Valley Boulevard, Fontana, CA 92335	MH	2
R11.13	17565 Valley Boulevard, Bloomington, CA 92316	COM	1
R11.14/ST9	10230 Alder Avenue, Bloomington, CA 92316	SFR	1
R11.14A	10233 Alder Avenue, Bloomington, CA 92316	SFR	1
R11.15	17831 Taylor Avenue, Bloomington, CA 92316	SFR	1
R11.15A	17897 Taylor Avenue, Bloomington, CA 92316	SFR	5
R11.16	17983 Taylor Avenue, Bloomington, CA 92316	SFR	6
R11.16A	18083 Taylor Avenue, Bloomington, CA 92316	SFR	7
R11.17/ST11	10213 Locust Avenue, Bloomington, CA 92316	SFR	--
R11.18	10213 Locust Avenue, Bloomington, CA 92316	SFR	2
R11.19	10198 Alder Avenue, Bloomington, CA 92316	SFR	5
R11.20	17726 Taylor Avenue, Bloomington, CA 92316	SFR	3
R11.21	17908 Taylor Avenue, Bloomington, CA 92316	SFR	8
R11.22	18056 Taylor Avenue, Bloomington, CA 92316	SFR	6
R.11.23	10187 Locust Avenue, Bloomington, CA 92316	SFR	2
R11.24	Sierra Crossing Apartments 18181 Valley Boulevard, Bloomington, CA 92316	MFR	8
R11.25	Sierra Crossing Apartments 18181 Valley Boulevard, Bloomington, CA 92316	MFR	4
R11.26	Sierra Crossing Apartments 18181 Valley Boulevard, Bloomington, CA 92316	MFR	12
R11.27	Sierra Crossing Apartments 18181 Valley Boulevard, Bloomington, CA 92316	MFR	4

¹ - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel, FS - fire station.

Table F-11 – Street Addresses for Modeled Receivers – Segment 11 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R11.28/ST12	Bloomington Mobile Home Park 18219 Valley Boulevard Lot #38, Bloomington, CA 92316	MH	3
R11.29	Bloomington Mobile Home Park 18219 Valley Boulevard, Bloomington, CA 92316	MH	3
R11.30	Bloomington Mobile Home Park 18219 Valley Boulevard, Bloomington, CA 92316	MH	3
R11.31	Bloomington Mobile Home Park 18219 Valley Boulevard, Bloomington, CA 92316	MH	3
R11.32	Bloomington Mobile Home Park 18219 Valley Boulevard, Bloomington, CA 92316	MH	3
R11.33	Ayala Park 18317 Valley Boulevard, Bloomington, CA 92316	REC	1
R11.34	Ayala Park 18317 Valley Boulevard, Bloomington, CA 92316	REC	1
R11.34A	Ayala Park 18317 Valley Boulevard, Bloomington, CA 92316	REC	1
R11.35	Idle Wheels Mobile Home Park 18363 Valley Boulevard, Bloomington, CA 92316	MH	6
R11.36	Idle Wheels Mobile Home Park 18363 Valley Boulevard, Bloomington, CA 92316	MH	4
R11.37	Idle Wheels Mobile Home Park 18363 Valley Boulevard, Bloomington, CA 92316	MH	4
R11.38	Idle Wheels Mobile Home Park 18363 Valley Boulevard, Bloomington, CA 92316	MH	7
R11.39	Log Cabin Mobile Home Park 18411 Valley Boulevard, Bloomington, CA 92316	MH	8
R11.40/ST13	Log Cabin Mobile Home Park 18411 Valley Boulevard, Bloomington, CA 92316	MH	3
R11.41	Log Cabin Mobile Home Park 18411 Valley Boulevard, Bloomington, CA 92316	MH	8
R11.42	Log Cabin Mobile Home Park 18411 Valley Boulevard, Bloomington, CA 92316	MH	2
R11.43	18530-18594 Commercial Street, Bloomington, CA 92316	COM	1
R11.44/ST14	10174 Magnolia Street, Bloomington, CA 92316	SFR/FS	2
R11.45	10330 Alder Avenue, Bloomington, CA 92316	SFR	1
R11.46/LT7	10349 Alder Avenue, Bloomington, CA 92316	SFR	2
R11.47	10346 Locust Avenue # 1, Bloomington, CA 92316	SFR	2
R11.48/ST10	10346 Locust Avenue # 1, Bloomington, CA 92316	--	--
R11.49	18298 Slover Avenue, Bloomington, CA 92316	COM	1

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel, FS - fire station.

Table F-12 – Street Addresses for Modeled Receivers – Segment 12

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R12.1/AST15	10166 Church St, Bloomington, CA 92316	SFR	2
R12.2	10153 Church St, Bloomington, CA 92316	SFR	2
R12.3	10162 Vine St, Bloomington, CA 92316	SFR	4
R12.4A	18821 Lynwood St, Bloomington, CA 92316	SFR	1
R12.4B	18845 Lynwood St, Bloomington, CA 92316	SFR	1
R12.4/LT8/CAL	18855 Lynwood St, Bloomington, CA 92316	SFR	4
R12.5	10176 Larch Ave, Bloomington, CA 92316	SFR	1
R12.6	18892 Lynwood St, Bloomington, CA 92316	SFR	2
R12.7	10101-10199 Spruce Ave, Bloomington, CA 92316	COM	1
R12.8	Days Inn Fontana, Rialto 475 W. Valley Blvd, Rialto, CA 92375	MOT	36
R12.9	Days Inn Fontana, Rialto 475 W. Valley Blvd, Rialto, CA 92375	MOT	1
R12.10	379 W Valley Blvd, Rialto, CA 92376	REC	4
R12.11	Bloomington Middle School, 1640 S Lilac Ave, Bloomington, CA 92316	SCH	1

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-13 – Street Addresses for Modeled Receivers – Segment 13

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R13.1-1	American Inn, 145 E Valley Blvd, Rialto, CA 92376	MOT	18
R13.1-2	American Inn, 145 E Valley Blvd, Rialto, CA 92376	MOT	18
R13.1A	Taco Joe's, 1749 S Riverside Ave, Rialto, CA 92376	COM	1
R13.2-1	Rodeway Inn, 2042 W Valley Blvd., Colton, CA 92324	MOT	15
R13.2-2	Rodeway Inn, 2042 W Valley Blvd., Colton, CA 92324	MOT	15
R13.3	2018 W Valley Blvd, Colton, CA 92324	SFR	3
R13.4/LT9/CAL	2016 W Valley Blvd, Colton, CA 92324	SFR	1
R13.5	2012 W Valley Blvd, Colton, CA 92324	COM	1
R13.6	Sam Snead Golf Course, 1901 W Valley Blvd, Colton, CA 92324	REC	1
R13.7	Sam Snead Golf Course, 1901 W Valley Blvd, Colton, CA 92324	REC	1

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-14 – Street Addresses for Modeled Receivers – Segment 14

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R14.1/ST119	1313 W Valley Blvd, Colton, CA 92394	COM	1
R14.1A	Slover Mountain High School, 325 Hermosa Ave, Colton, CA 92324	SCH	1
R14.1B	Slover Mountain High School, 325 Hermosa Ave, Colton, CA 92324	SCH	1
R14.2	303 Cypress Avenue, Colton, CA 92394	MFR	2
R14.3/ST16	248 Cypress Avenue, Colton, CA 92394	SFR	1
R14.4	Lido Motel: 1087 W Valley Blvd, Colton, CA 92324	MOT	3
R14.5	Mt. Slover Mobile Home Park, 1015 W Valley Blvd, Colton, CA 92324	MH	5
R14.6/ST17	Mt. Slover Mobile Home Park, 1015 W Valley Blvd, Colton, CA 92324	MH	6
R14.7	Mt. Slover Mobile Home Park, 1015 W Valley Blvd, Colton, CA 92324	MH	3
R14.7A	Mt. Slover Mobile Home Park, 1015 W Valley Blvd, Colton, CA 92324	MH	7
R14.7B	Mt. Slover Mobile Home Park, 1015 W Valley Blvd, Colton, CA 92324	MH	6
R14.8	Mt. Slover Mobile Home Park, 1015 W Valley Blvd, Colton, CA 92324	MH	2
R14.8A	1050 H Street, Colton, CA 92324	SFR	2
R14.8B	259 Grand Ave, Colton, CA 92324	SFR	2
R14.9/LT10	871 Vally Boulevard, Colton, CA 92394	SFR	2
R14.9A/ST17A	871 Vally Boulevard, Colton, CA 92394	SFR	--
R14.10	Sunny Trailer Park, 845 W Valley Blvd, Colton, CA 92324	MH	3
R14.11	Sunny Trailer Park, 845 W Valley Blvd, Colton, CA 92324	MH	3
R14.11A	Sunny Trailer Park, 845 W Valley Blvd, Colton, CA 92324	MH	2
R14.12	Sunny Trailer Park, 845 W Valley Blvd, Colton, CA 92324	MH	2

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; RS - radio station; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-15 – Street Addresses for Modeled Receivers – Segment 15

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R15.1/ST19	155 N 2nd St, Colton, CA 92324	SFR	2
R15.2	109 N 3rd St, Colton, CA 92324	SFR	3
R15.3	734 W Valley Blvd, Colton, CA 92324	SFR	1
R15.4	710 W Valley Blvd, Colton, CA 92324	SFR	2
R15.5	158 N 2nd St, Colton, CA 92324	SFR	4
R15.6	650 W Valley Blvd, Colton, CA 92324	SFR	3
R15.7	559 W J St, Colton, CA 92324	SFR	2
R15.8	105 N 4th St, Colton, CA 92324	SFR	5
R15.9	110 N 4th St, Colton, CA 92324	SFR	4
R15.10/LT12	115 N Pennsylvania Ave, Colton, CA 92324	SFR	4
R15.11	440 W Valley Blvd, Colton, CA 92324	SFR	4
R15.12	130 W Valley Blvd, Colton, CA 92324	COM	1
R15.13/ST18	745 W K St, Colton, CA 92324	SFR	5
R15.14	705 W K St, Colton, CA 92324	SFR	5
R15.15	649 W K St, Colton, CA 92324	SFR	6
R15.16/LT11	523 W K St, Colton, CA 92324	SFR	6
R15.17	503 W K St, Colton, CA 92324	SFR	2
R15.18	146 S 4th St, Colton, CA 92324	SFR	2
R15.19	457 W K St, Colton, CA 92324	SFR	3
R15.20	420 W K St, Colton, CA 92324	SFR	4
R15.21	264 W K St, Colton, CA 92324	SFR	3
R15.22/ST20	192 W K St, Colton, CA 92324	SFR	4
R15.23	153 La Cadena Dr S, Colton, CA 92324	SFR	5

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-16 – Street Addresses for Modeled Receivers – Segment 16

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R16.1	Hampton Inn, 250 N 9th St, Colton, CA 92324	MOT	1
R16.2	441 E Valley Blvd, Colton, CA 92324	SFR	1
R16.3	600 E Valley Blvd, Colton, CA 92324	COM	1
R16.4	655 E Valley Blvd, Colton, CA 92324	SFR	1
R16.5	253 N 12th St, Colton, CA 92324	SFR	4
R16.6	520 E H St, Colton, CA 92324	REL	1
R16.7	554 E H St, Colton, CA 92324	SFR	2
R16.8	584 E H St, Colton, CA 92324	MH	6
R16.9	656 E H St, Colton, CA 92324	SFR	6
R16.10	816 E H St, Colton, CA 92324	SFR	3
R16.11/LT13	832 E H St, Colton, CA 92324	SFR	3
R16.12	840 E H St, Colton, CA 92324	SFR	1
R16.13	854 E H St, Colton, CA 92324	SFR	4
R16.14	868 E H St, Colton, CA 92324	SFR	2
R16.15-1	Colony Inn Motel, 255 N Sperry Dr, Colton, CA 92324	MOT	6
R16.15-2	Colony Inn Motel, 255 N Sperry Dr, Colton, CA 92324	MOT	6
R16.16-1	Colony Inn Motel, 255 N Sperry Dr, Colton, CA 92324	MOT	14
R16.16-2	Colony Inn Motel, 255 N Sperry Dr, Colton, CA 92324	MOT	14
R16.17/ST20A/CAL	Colony Inn Motel, 255 N Sperry Dr, Colton, CA 92324	MOT	1
R16.18	841 E H St, Colton, CA 92324	SFR	8
R16.19	887 E H St, Colton, CA 92324	SFR	3
R16.20-1	Colton Motel, 380 N Sperry Dr, Colton, CA 92324	MOT	4
R16.20-2	Colton Motel, 380 N Sperry Dr, Colton, CA 92324	MOT	4
R16.21	Comfort Inn, 450 N Sperry Dr, Colton, CA 92324	MOT	1
R16.22	148 E K St, Colton, CA 92324	SFR	3
R16.23	295 E L St, Colton, CA 92324	SFR/MFR	14

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-17 – Street Addresses for Modeled Receivers – Segment 17

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R17.1A	Fairfield Inn, 1041 Harriman Pl, San Bernardino, CA 92408	MOT	18
R17.1	Fairfield Inn, 1041 Harriman Pl, San Bernardino, CA 92408	MOT	18
R17.2	1223 Laurelwood Dr, San Bernardino, CA 92408	SFR	1
R17.3	1231 Laurelwood Dr, San Bernardino, CA 92408	SFR	1
R17.4	1241 Laurelwood Dr, San Bernardino, CA 92408	SFR	2
R17.5	1259 Laurelwood Dr, San Bernardino, CA 92408	SFR	2
R17.6	1285 Laurelwood Dr, San Bernardino, CA 92408	SFR	2
R17.7	1305 E Laurelwood Dr, San Bernardino, CA 92408	SFR	2
R17.8	1325 E Laurelwood Dr, San Bernardino, CA 92408	SFR	1
R17.9/ST23	1294 E. Rosewood Dr, San Bernardino, CA	--	--
R17.10	1324 E Laurelwood Dr, San Bernardino, CA 92408	SFR	3
R17.11	1379 Sycamore Ln, San Bernardino, CA 92408	SFR	4
R17.12	1415 Sycamore Ln, San Bernardino, CA 92408	SFR	12
R17.13	1565 Sycamore Ln, San Bernardino, CA 92408	SFR	7
R17.14	1595 Sycamore Ln, San Bernardino, CA 92408	SFR	3
R17.15	1886 Lilac Ct, San Bernardino, CA 92408	SFR	2
R17.16	1894 S Jasmin Ct, Loma Linda, CA 92354	SFR	3
R17.17/LT14	1895 Coloma Ct, San Bernardino, CA 92408	SFR	5
R17.18	1895 Curtis St, Loma Linda, CA 92354	SFR	5
R17.19	1878 Lilac Ct, San Bernardino, CA 92408	SFR	2
R17.20	1878 S Jasmin Ct, Loma Linda, CA 92354	SFR	6
R17.21	1869 Coloma Ct, San Bernardino, CA 92408	SFR	3
R17.22	1876 Shedden Dr, Loma Linda, CA 92354	SFR	3
R17.23	1872 Curtis St, Loma Linda, CA 92354	SFR	4
R17.24	1874 Elm Ave, Loma Linda, CA 92354	SFR	3
R17.25	1965 Coulston St, Apt 61, Loma Linda, CA 92354	MFR	4
R17.26	1965 Coulston St, Apt 52, Loma Linda, CA 92354	MFR	3
R17.27	1965 Coulston St, Apt 50, Loma Linda, CA 92354	MFR	3
R17.28	1965 Coulston St, Apt 23, Loma Linda, CA 92354	MFR	1
R17.29	1965 Coulston St, Loma Linda, CA 92354	MFR	2
R17.30/ST25	1965 Coulston St, Loma Linda, CA 92354	MFR	--
R17.31	1965 Coulston St, Apt 47, Loma Linda, CA 92354	MFR	3
R17.32	1965 Coulston St, Apt 7, Loma Linda, CA 92354	MFR	10
R17.33	24732 Redlands Blvd, Loma Linda, CA 9235	COM	1
R17.33A	24735 Redlands Blvd, Loma Linda, CA 92354	REL	1
R17.34	24818 E. Redlands Blvd, Loma Linda, CA 92354	SFR	1
R17.35/ST21	24818 E. Redlands Blvd, Loma Linda, CA 92354	--	--
R17.36	25072 Redlands Blvd, Loma Linda, CA 92354	COM	1
R17.37/ST121	25160 Redlands Blvd, Loma Linda, CA 923454	COM	1

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-17 – Street Addresses for Modeled Receivers – Segment 17 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R17.38/ST24	Alto Camino Mobile Home Estate, 25526 Redlands Blvd, Loma Linda, CA 92354	MH	4
R17.39	Alto Camino Mobile Home Estate, 25526 Redlands Blvd, Loma Linda, CA 92354	MH	6
R17.40	Alto Camino Mobile Home Estate, 25526 Redlands Blvd, Loma Linda, CA 92354	MH	6
R17.41	Alto Camino Mobile Home Estate, 25526 Redlands Blvd, Loma Linda, CA 92354	MH	1
R17.42	Alto Camino Mobile Home Estate, 25526 Redlands Blvd, Loma Linda, CA 92354	MH	2
R17.43	Alto Camino Mobile Home Estate, 25526 Redlands Blvd, Loma Linda, CA 92354	MH	7
R17.44	Alto Camino Mobile Home Estate, 25526 Redlands Blvd, Loma Linda, CA 92354	MH	6
R17.45	Alto Camino Mobile Home Estate, 25526 Redlands Blvd, Loma Linda, CA 92354	MH	4
R17.46	25626 Rosewood Dr, Loma Linda, CA 92354	SFR	2
R17.47A	25652 Rosewood Dr, Loma Linda, CA 92354	SFR	2
R17.47/LT15	25660 Rosewood Dr, Loma Linda, CA 92354	--	--
R17.48	25685 Rosewood Dr, Loma Linda, CA 92354	SFR	2

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel.

Table F-18 – Street Addresses for Modeled Receivers – Segment 18

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R18.1	Sod Farm, Mountain View Ave, Redlands, CA 92373	COM	1
R18.2	Sod Farm, 2050 W. Redlands Blvd, Redlands, CA 92373	COM	1
R18.3	Splash Kingdom Water Park, 1101 California St, Redlands, CA 92374	REC	1
R18.4	Pharaoh's Water Park, 1101 California St, Redlands, CA 92374	REC	1
R18.5	25864 Business Center Dr, Redlands, CA 92374	COM	1
R18.6/ST26	26232 Redlands Blvd, Redlands, CA 92373	MFR	4
R18.7	26200 Redlands Blvd, Redlands, CA 92373	MFR	12
R18.8	26200 Redlands Blvd, Redlands, CA 92373	MFR	16
R18.9	26200 Redlands Blvd, Redlands, CA 92373	MFR	8
R18.10	26200 Redlands Blvd, Redlands, CA 92373	MFR	8
R18.11	26200 Redlands Blvd, Redlands, CA 92373	MFR	4
R18.12	26200 Redlands Blvd, Redlands, CA 92373	MFR	8
R18.13	26232 Redlands Blvd, Redlands, CA 92373	MFR	4
R18.14	26232 Redlands Blvd, Redlands, CA 92373	MFR	12
R18.15	26232 Redlands Blvd, Redlands, CA 92373	MFR	8
R18.16	26232 Redlands Blvd, Redlands, CA 92373	MFR	8
R18.17	10400 Severn St, Redlands, CA 92374	SFR	3
R18.18/LT16/ST26A/CAL	26326 Tudor Ct, Redlands, CA 92374	SFR	8
R18.19	26380 Tudor Ct, Redlands, CA 92374	SFR	5
R18.20	26454 Redland Blvd, Redlands, CA	MFR	4
R18.21/ST27	26454 Redland Blvd, Redlands, CA	MFR	4
R18.22	26454 Redland Blvd, Redlands, CA	MFR	4
R18.23	1900 W. Redlands Blvd, San Bernardino, CA 92403	COM	1
R18.24/ST28	1901 Orange Tree Ln, Redlands, CA 92374	COM	1
R18.25	89.7 KSGN, 2048 Orange Tree Ln, Redlands, CA 92374	RS	1
R18.26	San Bernardino County Museum, 2024 Orange Tree Ln, Redlands, CA 92374	PI	1

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; REC - recreational/park; RS - radio station; REL - religious institution; COM - Commercial; MH - mobile home; MOT - motel/hotel; PI - public institute.

Table F-19 – Street Addresses for Modeled Receivers – Segment 18A

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R18A.1A	1701 Orange Tree Lane, Redlands, CA 92374	COM	1
R18A.1	Redlands Day Nursery, 1643 Plum Lane, Redlands, CA 92374	SCH	1
R18A.2	Americas Best Value Inn, 1151 Coulston Avenue, Redlands, CA 92374	MOT	10
R18A.3	Super 8 Redlands, 1160 Coulston Avenue, Redlands, CA 92734	MOT	1
R18A.4/H6	Super 8 Redlands, 1160 Coulston Avenue, Redlands, CA 92734	MOT	8
R18A.5	Super 8 Redlands, 1160 Coulston Avenue, Redlands, CA 92734	MOT	8
R18A.6/ST28A/CAL	Good Nite Inn, 1675 Industrial Park Avenue, Redlands, CA 92374	MOT	--
R18A.7/H18	Good Nite Inn, 1675 Industrial Park Avenue, Redlands, CA 92374	MOT	14
R18A.8	The Old Spaghetti Factory, 1635 Industrial Park Avenue, Redlands, CA 92374	COM	1
R18A.9/H5	County Inn & Suites, 1650 Industrial Park Avenue, Redlands, CA 92374	MOT	36
R18A.10	County Inn & Suites, 1650 Industrial Park Avenue, Redlands, CA 92374	MOT	1
R18A.11	Arrowhead Credit Union, 1580 Industrial Park Avenue, Redlands, CA 92734	COM	1

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; SCH - school; COM - Commercial;
MOT - motel/hotel.

Table F-20 – Street Addresses for Modeled Receivers – Segment 19

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R19.1	Shakey's Pizza Parlor, 836 W Colton Ave, Redlands, CA 92374	COM	1
R19.2	Dance With Purpose,	COM	1
R19.3	603 W Colton Ave, Redlands, CA 92374	SFR	1
R19.4/ST30A/CAL	503 W Colton Ave, Redlands, CA 92374	SFR	1
R19.5/LT18	319 W Colton Ave, Redlands, CA 92374	MFR	4
R19.5A	719 N Eureka St, Redlands, CA 92374	SFR	2
R19.5B	306 W Colton Ave, Redlands, CA 92374	SFR	4
R19.5C	222 W Colton Ave, Redlands, CA 92374	SFR	5
R19.6/ST31	127 W Colton Ave, Redlands, CA 92374	SFR	5
R19.7	39 W Colton Ave, Redlands, CA 92374	SFR	1
R19.8-1/H7	Comfort Suites, 1230 W Colton Ave, Redlands, CA 92374	MOT	11
R19.8-2/H7	Comfort Suites, 1230 W Colton Ave, Redlands, CA 92374	MOT	14
R19.8-3/H7	Comfort Suites, 1230 W Colton Ave, Redlands, CA 92374	MOT	14
R19.9-1/H8	Motel 6, 1120 W Colton Ave, Redlands, CA 92374	MOT	17
R19.9-2/H8	Motel 6, 1120 W Colton Ave, Redlands, CA 92374	MOT	16
R19.10-1/H9	Ayres Hotel, 1015 W Colton Ave, Redlands, CA 92374	MOT	7
R19.10-2/H9	Ayres Hotel, 1015 W Colton Ave, Redlands, CA 92374	MOT	7
R19.10A	El Burrito, 1095 W Colton Ave, Redlands, CA 92374	COM	1
R19.11/ST29	Orangewood High School, 515 Texas St, Redlands, CA 92374	SCH	1
R19.12	616 Texas St, Redlands, CA 92374	SFR	1
R19.13/LT17/CAL	615 Lawton St, Redlands, CA 92374	SFR	1
R19.14	603 Lawton St, Redlands, CA 92374	SFR	3
R19.14A	518 Lawton St, Redlands, CA 92374	MH	6
R19.15	605 Ruiz St, Redlands, CA 92374	SFR	2
R19.15A	524 Ruiz St, Redlands, CA 92374	SFR	6
R19.16/ST30	604 3rd St, Redlands, CA 92374	SFR	1

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MH mobile home; COM - commercial; MOT - motel; REC - recreational; SCH - educational center; MED - medical facility; REL - religious institution.

Table F-21 – Street Addresses for Modeled Receivers – Segment 20

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R20.1	203 E Colton Ave, Redlands, CA 92374	SFR	5
R20.1A	804 Herald St, Redlands, CA 92374	SFR	1
R20.2A	Budget Inn Motel, 102 The Terrace, Redlands, CA 92374	MOT	1
R20.2	Stardust Motel, 200 The Terrace, Redlands, CA 92374	MOT	1
R20.3	322 The Terrace Redlands CA 92374	SFR/MFR	7
R20.4/ST32	Park Magnolia Apartments, 416 The Terrace, Redlands, CA 92374	MFR	6
R20.5	Park Magnolia Apartments, 416 The Terrace, Redlands, CA 92374	MFR	4
R20.5A	Park Magnolia Apartments, 416 The Terrace, Redlands, CA 92374	MFR	5
R20.6-1	500 The Terrace, Redlands CA 92374	MFR	2
R20.6-2	500 The Terrace, Redlands CA 92374	MFR	2
R20.7	610 The Terrace, Redlands CA 92374	MFR	5
R20.8	615 11th St, Redlands, CA 92374	SFR	1
R20.9/LT20/CAL	610 11th St, Redlands, CA 92374	SFR	1
R20.10	705 11th St, Redlands, CA 92374	SFR/MFR	4
R20.11	702 11th St, Redlands, CA 92374	SFR	3
R20.12-1	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	4
R20.12-2	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	4
R20.13-1	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	2
R20.13-2	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	2
R20.14-1	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	1
R20.14-2	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	1
R20.15-1	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	2
R20.15-2	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	2
R20.16-1	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	2
R20.16-2	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	2
R20.17-1	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	2
R20.17-2	Pebblebrook Apartments, 631 N Church St, Redlands, CA 92374	MFR	2
R20.18A	Dial of Treatment, 602 Church St, Redlands, CA 92374	REL	1
R20.18	529 Bonita St, Redlands, CA 92374	SFR	2
R20.19	819 Sylvan Blvd, Redlands, CA 92374	SFR/MFR	3
R20.20	835 Sylvan Blvd, Redlands, CA 92374	SFR	2
R20.21	845 Sylvan Blvd, Redlands, CA 92374	SFR	2
R20.22	826 E High Ave, Redlands, CA 92374	SFR	4
R20.23	837 Sylvan Blvd, Redlands, CA 92374	SFR	3

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MH mobile home; COM - commercial; MOT - motel; REC - recreational; SCH - educational center; MED - medical facility; REL - religious institution.

Table F-21 – Street Addresses for Modeled Receivers – Segment 20 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R20.24	Sylvan Park, 601 N University St, Redlands, CA 92374	REC	1
R20.25	Sylvan Park, 601 N University St, Redlands, CA 92374	REC	1
R20.26/ST36	Ahrens Child Care Center, 201 North University St, Redlands, CA 92374	SCH	1
R20.27	Catalina Gardens Apartments, 333 North University St, Redlands, CA 92374	MFR	4
R20.28	Catalina Gardens Apartments, 333 North University St, Redlands, CA 92374	MFR	4
R20.29	Catalina Gardens Apartments, 333 North University St, Redlands, CA 92374	MFR	4
R20.30	130 N University St, Redlands, CA 92374	SFR	5
R20.31	1110 E Central Ave, Redlands, CA 92374	MFR	1
R20.32/ST37	1118 Cero Ct, Redlands, CA 92374	MFR	1
R20.33	1123 E Citrus Ave, Redlands, CA 92374	MFR	4
R20.34	1127 E Citrus Ave, Redlands, CA 92374	MFR	4
R20.35	1135 E Citrus Ave, Redlands, CA 92374	MFR	8
R20.36	1114 Cero Ct, Redlands, CA 92374	MFR	8
R20.37	1122 Cero Ct, Redlands, CA 92374	MFR	4
R20.38	1130 Cero Ct, Redlands, CA 92374	MFR	8
R20.39/ST38	1132 E Citrus Ave, Redlands, CA 92374	SFR	3
R20.40	1131 E Cypress Ave, Redlands, CA 92374	SFR	5
R20.41	U.S. Bank, 640 Orange St, Redlands, CA 92374	COM	1
R20.42	211 E High Ave, Redlands, CA 92374	SFR	3
R20.42A	Living Word Fellowship, 200 East High Ave, Redlands, CA 92374	REL	1
R20.43/LT19/CAL	305 E High Ave, Redlands, CA 92374	SFR	4
R20.44	424 E High Ave, Redlands, CA 92374	SFR	1
R20.45	515 11th St, Redlands, CA 92374	SFR	1
R20.46	511 11th St, Redlands, CA 92374	SFR	5
R20.47	610 E Stuart Ave, Redlands, CA 92374	SFR	1
R20.47A	The Blessing Center, 760 East Stuart Ave, Redlands, CA 92374	REL	1
R20.48/ST33	400 Church St, Redlands, CA 92374	MFR	4
R20.49	815 E Central Ave, Redlands, CA 92374	SFR	2
R20.50	835 E Central Ave, Redlands, CA 92374	SFR	4
R20.51	851 E Central Ave, Redlands, CA 92374	SFR/MFR	3

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MH mobile home; COM - commercial; MOT - motel; REC - recreational; SCH - educational center; MED - medical facility; REL - religious institution.

Table F-21 – Street Addresses for Modeled Receivers – Segment 20 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R20.52A	Redlands High School, 840 East Citrus Ave, Redlands, CA 92374	SCH	1
R20.52	907 E Central Ave, Redlands, CA 92374	SFR	2
R20.53/ST35/CAL	911 E Central Ave, Redlands, CA 92374	SFR	1
R20.54	920 E Central Ave, Redlands, CA 92374	MFR	4
R20.55	926 E Central Ave, Redlands, CA 92374	MFR	2
R20.56	930 E Central Ave, Redlands, CA 92374	MFR	3
R20.57/LT21	515 University Pl, Redlands, CA 92374	SFR	5
R20.58	531 University Pl, Redlands, CA 92374	SFR	5
R20.59A	Redlands High School, 840 East Citrus Ave, Redlands, CA 92374	SCH	1
R20.59	502 University Pl, Redlands, CA 92374	SFR/MFR	3
R20.60	510 University Pl, Redlands, CA 92374	SFR	4
R20.61	528 University Pl, Redlands, CA 92374	SFR	4

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MH - mobile home; COM - commercial; MOT - motel; REC - recreational; SCH - educational center; MED - medical facility; REL - religious institution.

Table F-22 – Street Addresses for Modeled Receivers – Segment 21

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R21.1	700 Napa Avenue, Redlands, CA 92374	SFR	6
R21.2	714 Napa Avenue, Redlands, CA 92374	SFR	3
R21.3/LT22	730 Mcauliffe Court, Redlands, CA 92374	SFR	4
R21.3A/ST40A/CAL	738 Mcauliffe Court, Redlands, CA 92374	SFR	2
R21.4	748 Mcauliffe Court, Redlands, CA 92374	SFR	2
R21.5	1142 E Cypress Avenue, Redlands, CA 92374	SFR	5
R21.6	719 Napa Avenue, Redlands, CA 92374	SFR	5
R21.6A	720 Napa Avenue, Redlands, CA 92374	SFR	3
R21.7	720 S Grove Street, Redlands, CA 92374	SFR	4
R21.8	1202 E Palm Avenue, Redlands, CA 92374	SFR	2
R21.9	1201 Begonia Court, Redlands, CA 92374	SFR	2
R21.10	1200 Begonia Court, Redlands, CA 92374	SFR	2
R21.11	1201 Cambon Court, Redlands, CA 92374	SFR	2
R21.12	1202 Cambon Court, Redlands, CA 92374	SFR	2
R21.13	1201 Del Haven Court, Redlands, CA 92374	SFR	2
R21.14	1203 E Highland Avenue, Redlands, CA 92374	SFR	4
R21.15	1210 E Palm Avenue, Redlands, CA 92374	SFR	2
R21.16	1209 Begonia Court, Redlands, CA 92374	SFR	2
R21.17	1208 Begonia Court, Redlands, CA 92374	SFR	2
R21.18	1209 Cambon Court, Redlands, CA 92374	SFR	2
R21.19	1210 Cambon Court, Redlands, CA 92374	SFR	2
R21.20	1209 Del Haven Court, Redlands, CA 92374	SFR	2
R21.21	1208 Del Haven Court, Redlands, CA 92374	SFR	4
R21.22	1200 E Highland Avenue, Redlands, CA 92374	MFR	6
R21.23/ST42	1200 E Highland Avenue, Redlands, CA 92374	MFR	1
R21.24	1200 E Highland Avenue, Redlands, CA 92374	MFR	1
R21.25	1200 E Highland Avenue, Redlands, CA 92374	MFR	2
R21.25A	Kingdom Hall of Jehovahs Witnesses 1280 Ford Street, Redlands, CA 92374	REL	1
R21.26	1303 Ford Steet, Redlands, CA 92374	SFR	2
R21.27	1315 Ford Street, Redlands, CA 92374	SFR	3
R21.28	1311 Crestview Road, Redlands, CA 92374	SFR	3
R21.29/ST44/CAL	1400 Ford Street, Redlands, CA 92374	--	--
R21.30	1312 Crestview Road, Redlands, CA 92374	SFR	1
R21.31	1320 Crestview Road, Redlands, CA 92374	SFR	2
R21.32/ST45	Church on The Hill 1445 Ford Street, Redlands, CA 92374	REL	1
R21.33	Church on The Hill 1445 Ford Street, Redlands, CA 92374	REC	1
R21.34	1454 Hampton Road, Redlands, CA 92374	SFR	3
R21.35/LT23/CAL	679 Chaucer Court, Redlands, CA 92374	SFR	2
R21.36	1474 Hampton Road, Redlands, CA 92374	SFR	2
R21.37	693 Bradbury Drive, Redlands, CA 92374	SFR	1
R21.38	681 Bradbury Drive, Redlands, CA 92374	SFR	2

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MH mobile home; COM - commercial; MOT - motel; REC - recreational; SCH - educational center; REL - religious institution.

Table F-22 – Street Addresses for Modeled Receivers – Segment 21 (Cont'd)

RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R21.39/ST47	Trinity Church, 1551 Reservoir Road, Redlands, CA 92374	REL	1
R21.40	Trinity Church, 1551 Reservoir Road, Redlands, CA 92374	SCH	1
R21.41	Trinity Church, 1551 Reservoir Road, Redlands, CA 92374	SCH	14
R21.42	Trinity Church, 1551 Reservoir Road, Redlands, CA 92374	REC	1
R21.43	775 Devonshire Drive, Redlands, CA 92374	SFR	1
R21.44	816 Concord Lane, Redlands, CA 92374	SFR	1
R21.45/LT25	815 Concord Lane, Redlands, CA 92374	SFR	1
R21.46	812 Lexington Lane, Redlands, CA 92374	SFR	1
R21.47	813 Lexington Lane, Redlands, CA 92374	SFR	1
R21.48	828 Buckingham Drive, Redlands, CA 92374	SFR	1
R21.49/ST49	825 Buckingham Drive, Redlands, CA 92374	SFR	1
R21.50	1647 Reservoir Road, Redlands, CA 92374	SFR	2
R21.51	1060 Ardmore Circle, Redlands, CA 92374	SFR	1
R21.52	1064 Ardmore Circle, Redlands, CA 92374	SFR	3
R21.53	1058 Ardmore Circle, Redlands, CA 92374	MFR	2
R21.54/ST39	1044 Ardmore Circle, Redlands, CA 92374	--	--
R21.55	1044 Ardmore Circle, Redlands, CA 92374	MFR	2
R21.56	1032 Ardmore Circle, Redlands, CA 92374	MFR	1
R21.57	1012 Ardmore Circle, Redlands, CA 92374	MFR	2
R21.58	1000 Ardmore Circle, Redlands, CA 92374	MFR	2
R21.59	972 Ardmore Circle, Redlands, CA 92374	MFR	1
R21.60	1049 E Palm Avenue, Redlands, CA 92374	SFR	2
R21.61	1033 E Palm Avenue, Redlands, CA 92374	SFR	2
R21.62/ST40/CAL	1049 Drive,acena Court, Redlands, CA 92374	SFR	4
R21.63	1057 Evergreen Court, Redlands, CA 92374	SFR	4
R21.64	1048 Evergreen Court, Redlands, CA 92374	SFR	3
R21.65	951 Cimarron Drive, Redlands, CA 92374	SFR	1
R21.66	1011 Cimarron Drive, Redlands, CA 92374	SFR	2
R21.67/ST41	1041 Cimarron Drive, Redlands, CA 92374	SFR	1
R21.68	1042 E Palm Avenue, Redlands, CA 92374	SFR	4
R21.69	1041 Evergreen Court, Redlands, CA 92374	SFR	4
R21.70	931 Cimarron Drive, Redlands, CA 92374	SFR	2
R21.71	1021 Cimarron Drive, Redlands, CA 92374	SFR	2
R21.72	1055 E Highland Avenue, Redlands, CA 92374	SFR	1
R21.73	1045 E Highland Avenue, Redlands, CA 92374	SFR	1
R21.74	1025 W Highland Avenue,Redlands, CA 92373	SFR	2
R21.75/ST43	El Carmelo Retreat House, 926 E Highland Avenue, Redlands, CA 92374	REL	1
R21.76	El Carmelo Retreat House, 926 E Highland Avenue, Redlands, CA 92374	REL	1
R21.77-1	Park Place Apartments, 1460 Marshall Street, Redlands, CA 92374	MFR	1
R21.77-2	Park Place Apartments, 1460 Marshall Street, Redlands, CA 92374	MFR	1
R21.78-1	Park Place Apartments, 1460 Marshall Street, Redlands, CA 92374	MFR	1
R21.78-2	Park Place Apartments, 1460 Marshall Street, Redlands, CA 92374	MFR	1
R21.79-1	Park Place Apartments, 1460 Marshall Street, Redlands, CA 92374	MFR	1
R21.79-2	Park Place Apartments, 1460 Marshall Street, Redlands, CA 92374	MFR	1
R21.80	Park Place Apartments, 1460 Marshall Street, Redlands, CA 92374	MFR	1

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MH mobile home; COM - commercial; MOT - motel; REC - recreational; SCH - educational center; REL - religious institution.

Table F-22 – Street Addresses for Modeled Receivers – Segment 21 (Cont'd)

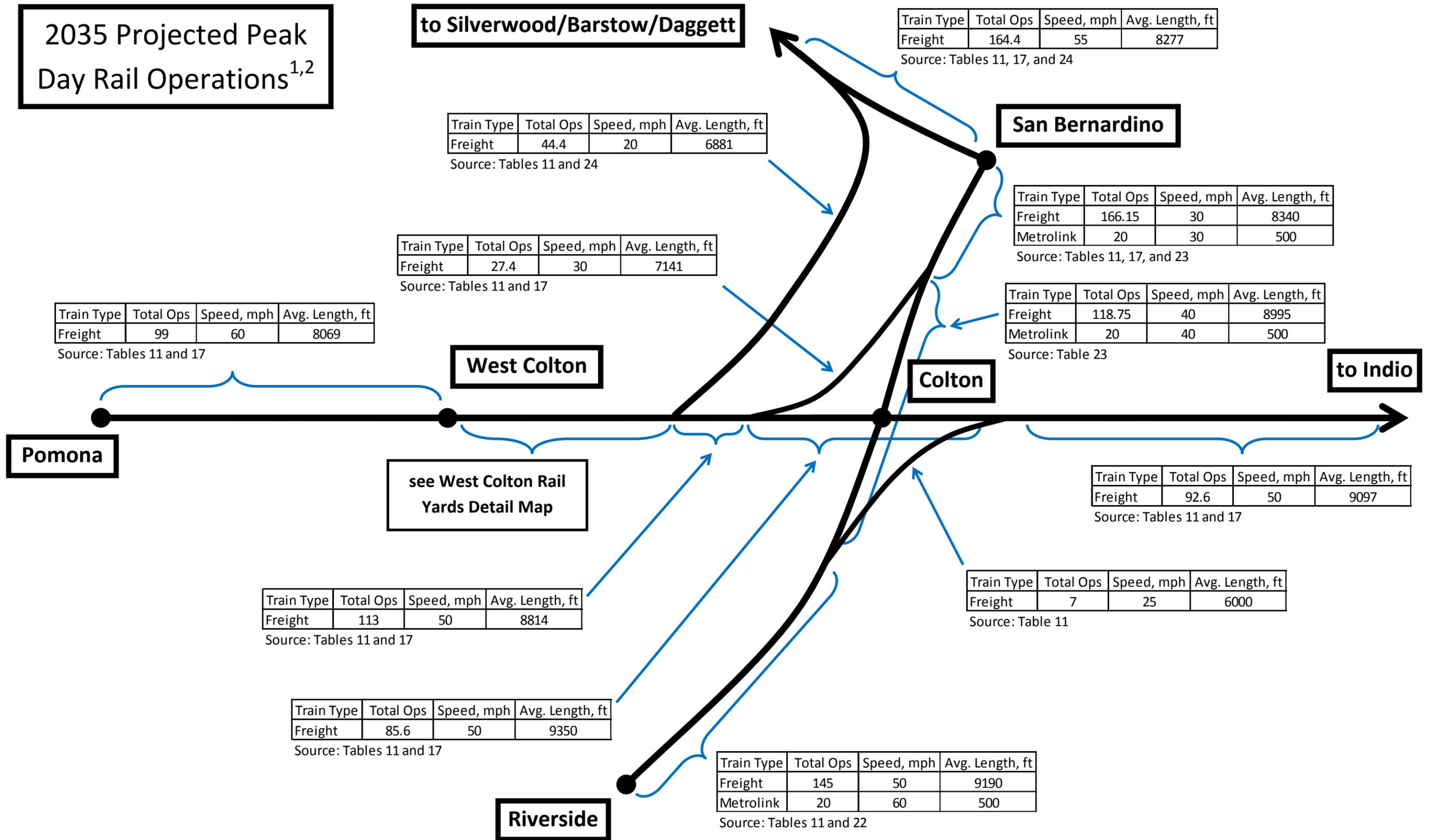
RECEIVER I.D.	ADDRESS or LOCATION	LAND USE ¹	NUMBER of DWELLING UNITS
R21.81	319 Kelisa Circle, Redlands, CA 92373	SFR	1
R21.82/ST46/CAL	1378 Patricia Drive, Redlands, CA 92373	SFR	1
R21.83	1382 Patricia Drive, Redlands, CA 92373	SFR	1
R21.84	1385 Patricia Drive, Redlands, CA 92373	SFR	1
R21.85	1389 Patricia Drive, Redlands, CA 92373	SFR	1
R21.86	449 Golden West Drive, Redlands, CA 92373	SFR	1
R21.87/LT24/CAL	453 Golden West Drive, Redlands, CA 92373	SFR	1
R21.88	457 Golden West Drive, Redlands, CA 92373	SFR	1
R21.89	461 Golden West Drive, Redlands, CA 92373	SFR	1
R21.90	465 Golden West Drive, Redlands, CA 92373	SFR	1
R21.91	503 Golden West Drive, Redlands, CA 92373	SFR	1
R21.92	507 Golden West Drive, Redlands, CA 92373	SFR	1
R21.93	511 Golden West Drive, Redlands, CA 92373	SFR	1
R21.94	515 Golden West Drive, Redlands, CA 92373	SFR	1
R21.95	519 Golden West Drive, Redlands, CA 92373	SFR	1
R21.96	523 Golden West Drive, Redlands, CA 92373	SFR	1
R21.97	527 Golden West Drive, Redlands, CA 92373	SFR	1
R21.98	533 Golden West Drive, Redlands, CA 92373	SFR	1
R21.99/ST50	537 Golden West Drive, Redlands, CA 92373	SFR	1
R21.100	541 Golden West Drive, Redlands, CA 92373	SFR	1

Note:

1 - Land Use: SFR - single-family residence; MFR - multi-family residence; MH mobile home; COM - commercial; MOT - motel; REC - recreational; SCH - educational center; REL - religious institution.

Appendix G Train Operation Data

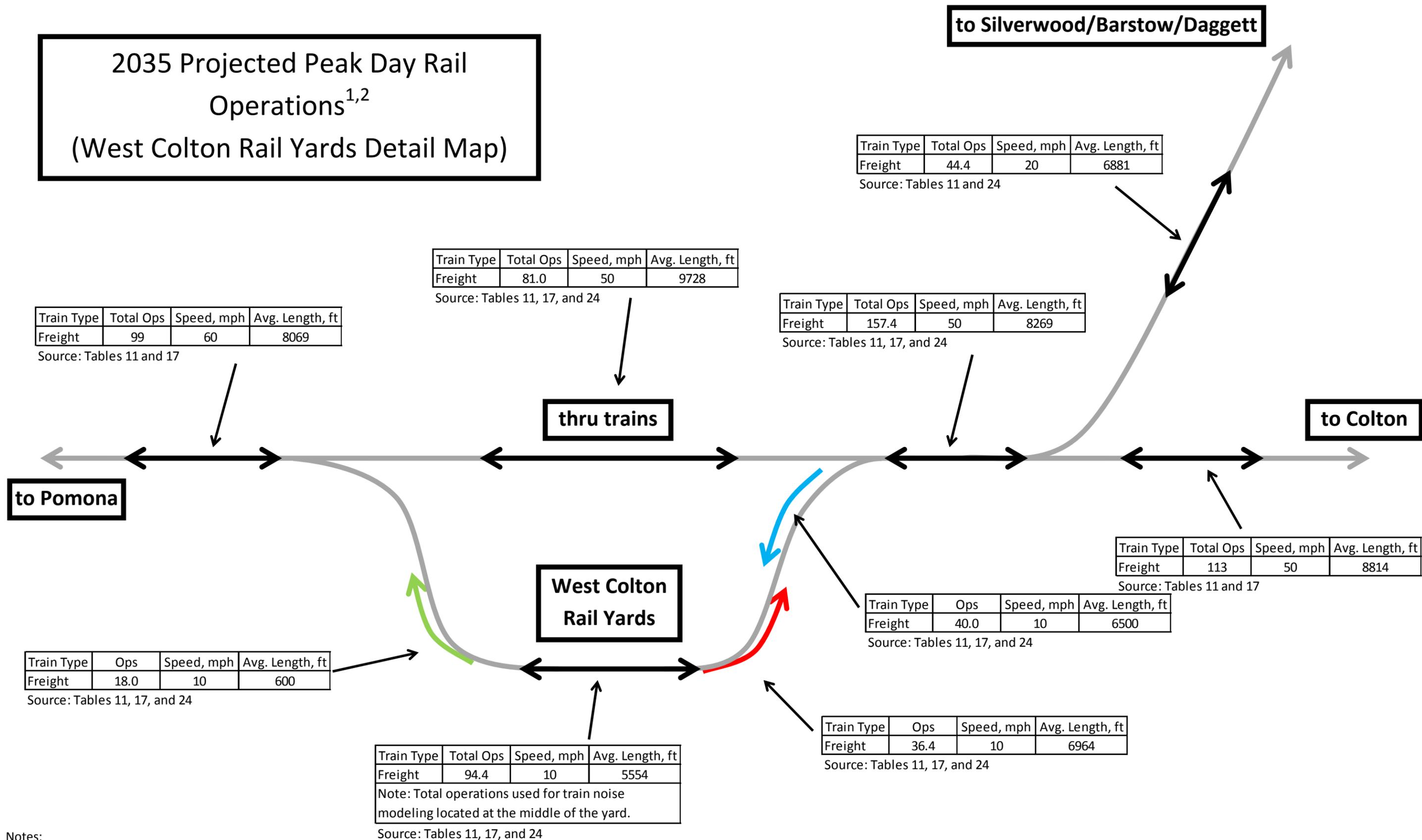
Figure G-1 – Rail Operations



Notes:

- 1 – All train operations obtained from the *Regional Rail Simulation Findings Technical Appendix* dated November 2011 authored by Dr. Robert C. Leachman. Speeds are from the *Inland Empire Railroad Main Line Study* dated June 2005.
- 2 – Amtrak operations were only a maximum of two operations per day along each of the UPRR and BNSF lines. Therefore, they have been considered negligible as compared to freight operations and not included in the peak day rail operation totals.

Figure G-2 – Rail Operations (West Colton Yard)



Notes:

- 1 – All train operations obtained from the *Regional Rail Simulation Findings Technical Appendix* dated November 2011 authored by Dr. Robert C. Leachman. Speeds are from the *Inland Empire Railroad Main Line Study* dated June 2005.
- 2 – Amtrak operations were only a maximum of two operations per day along each of the UPRR and BNSF lines. Therefore, they have been considered negligible as compared to freight operations and not included in the peak day rail operation totals.