



- **Digital Display Range:** 61 - 124dB
- **Bar graph Display Range:** 61 - 121dB
- **Standards:** ANSI S1.4, 1983, and IEC 651
- **Type:** 2S Sound Level Meter
- **Frequency Response Weighting:** A
- **Time Response Weighting:** Slow (10dB decay or fall in 3 seconds)
- **Operating Temperature:** 0 - 130 Degree F.
- **Sound Sensor:** Electret Condenser type
- **Power Supply:** 12VAC, 15VDC @ 500mA Max..
- **Shipping Weight:** 8-9 lbs approx.
- **Dimensions in inches:** 6.25" wide, 13.75" tall, 1.6" deep
- **Calibration:** Verify annually if necessary. Due to our moisture and shock resistant sensor, the need for calibration is unlikely.

Each instrument is referenced (by comparison testing) to NIST traceable standard. All instruments are calibrated by type 1 precision sound level metering and sound calibration instruments.

● **Alarm Options:** Instruments can be manufactured with one or two alarms. Each alarm is adjustable from 61 - 123 dB levels. Alarms can be considered as Hi/Low instrumentation style alarms. Each alarm activates an alarm indicator light and relay. Alarm indicator lights are bright red. Relay switching outputs are capable of 5-Amp., 250 VAC switching loads, and are isolated from any other circuitry.

● **Alarm 2:** Has an additional "latching" option. This means, once activated, alarm 2 remains on. Alarm 2 must be reset in order to re-start its latching option.

● **4-20mA Current Output Option:** Provides an adjustable DC current to represent a sound level range. Sound level ranges can vary from 20 - 40 dB. Zero levels can be as low as 65dB. Current outputs are linear but, represent dB logarithmic ranges.

● **Remote Sensor Option:** 1-500 feet distance for remote sound level sensor placement. This allows special monitoring and distance monitoring applications.

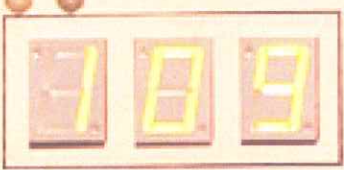
● **Re-ranging Instrument:** For special sound level applications, instruments can be re-ranged. (For example: 31-91dB instead of 61-121dB)

SOUND LEVEL MONITOR

McLennan Electronics, Inc.
Springfield, Oregon 97177
USA
541-746-9090



1 2 Sound Level Alarm



Sound Level Display

True RMS Detection
Frequency Weighted &
Response Weighted, Slow Averaging
Standards:
ANSI S1.4 - 1983, IEC - 651
Instrument type 25

OSHA Permissible Daily Noise Exposure

- 115 dBA - 15 minutes
- 110 dBA - 30 minutes
- 105 dBA - 1 hour
- 100 dBA - 2 hours
- 95 dBA - 4 hours
- 90 dBA - 8 hours

Warning
Hearing loss related
problems may occur if these
recommendations are disregarded

Omnidirectional Sound / Noise Sensor.
Acoustic Instrumentation for Hearing Protection,
Process Control and Entertainment.

- 121 dBA
- 118 dBA
- 115 dBA
- 112 dBA
- 109 dBA
- 106 dBA
- 103 dBA
- 100 dBA
- 97 dBA
- 94 dBA
- 91 dBA
- 88 dBA
- 85 dBA
- 82 dBA
- 79 dBA
- 76 dBA
- 73 dBA
- 70 dBA
- 67 dBA
- 64 dBA
- 61 dBA

ACOUSTICAL ENGINEER

Arthur M. Noxon, PE
ACOUSTIC, NOISE AND VIBRATION CONTROL
engineering survey and analysis, project design and management

Engineer Data Summary

Noise readings for Along Came Trudy Events Center on Hayden Bridge Rd
Taken Feb 10, 2015 using Rion -NA 28 calibrated sound meter + wind ball.

Note that 114 thru 134 are record numbers.

Location	dB,A	Ambience	+ Music dB,A	Garage door open dB,A	Music @ river dB,A
1	32	114	39	120	
2	31.3	115	37.6	121	
3	49	116	44	122	
4	36	117	36	123	
5	36	118	36	124	52 126

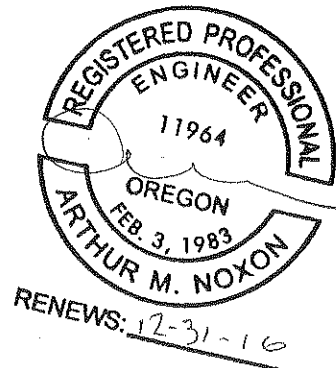
Inside Dance Floor
74 dB,A #119
75 #135

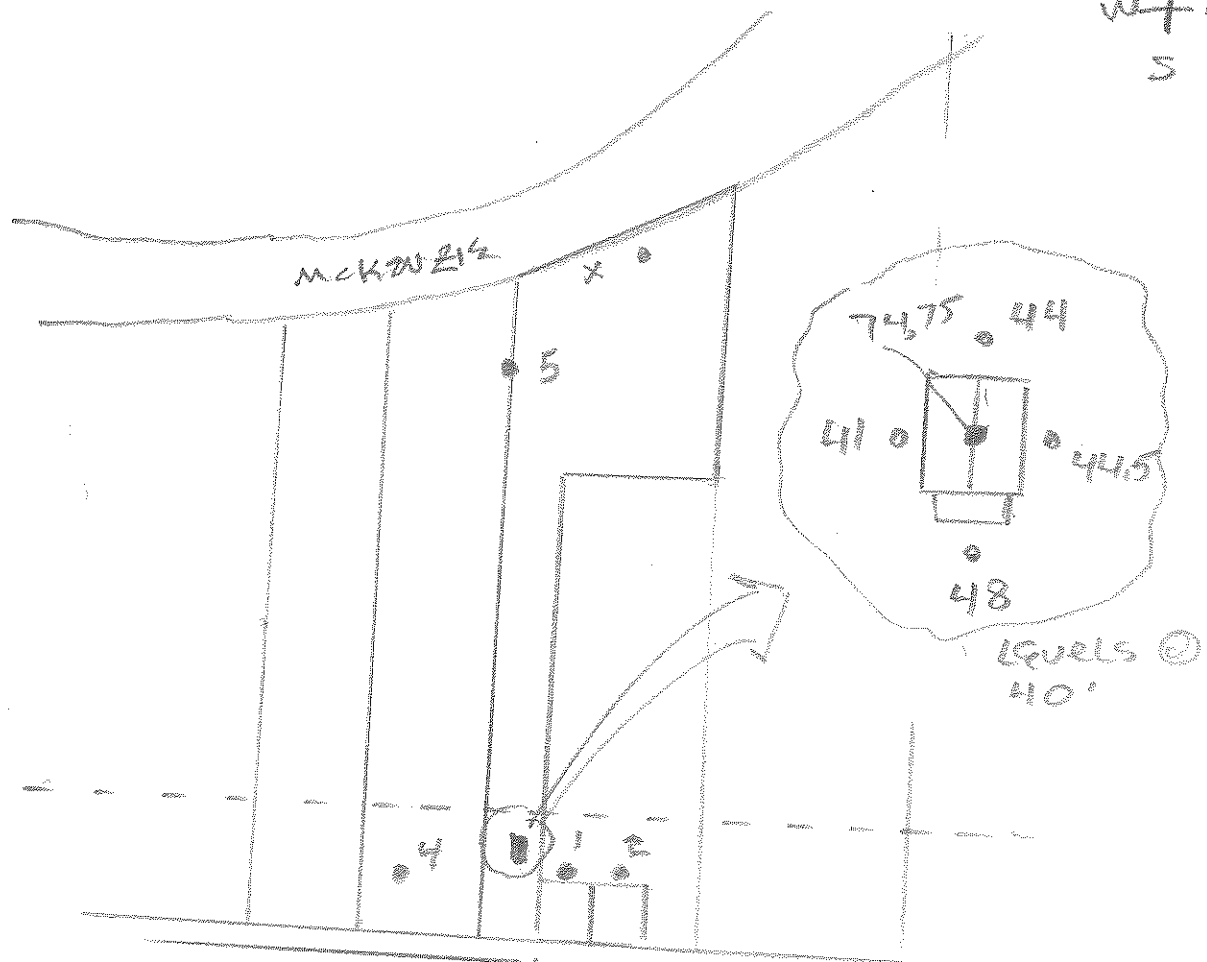
Outside Building @40'
N 44dB,A @ #127
W 41 @ #128
S 48 @ #129
E 41 @ #128

Music @ River reference level
67/68dB,A @ 20' setback from speaker

Submitted by

Art Noxon, PE
Acoustical Engineer

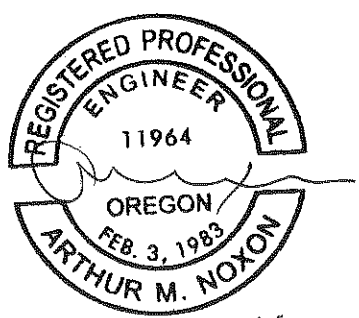




HAYDEN BRIDGE RD

31st

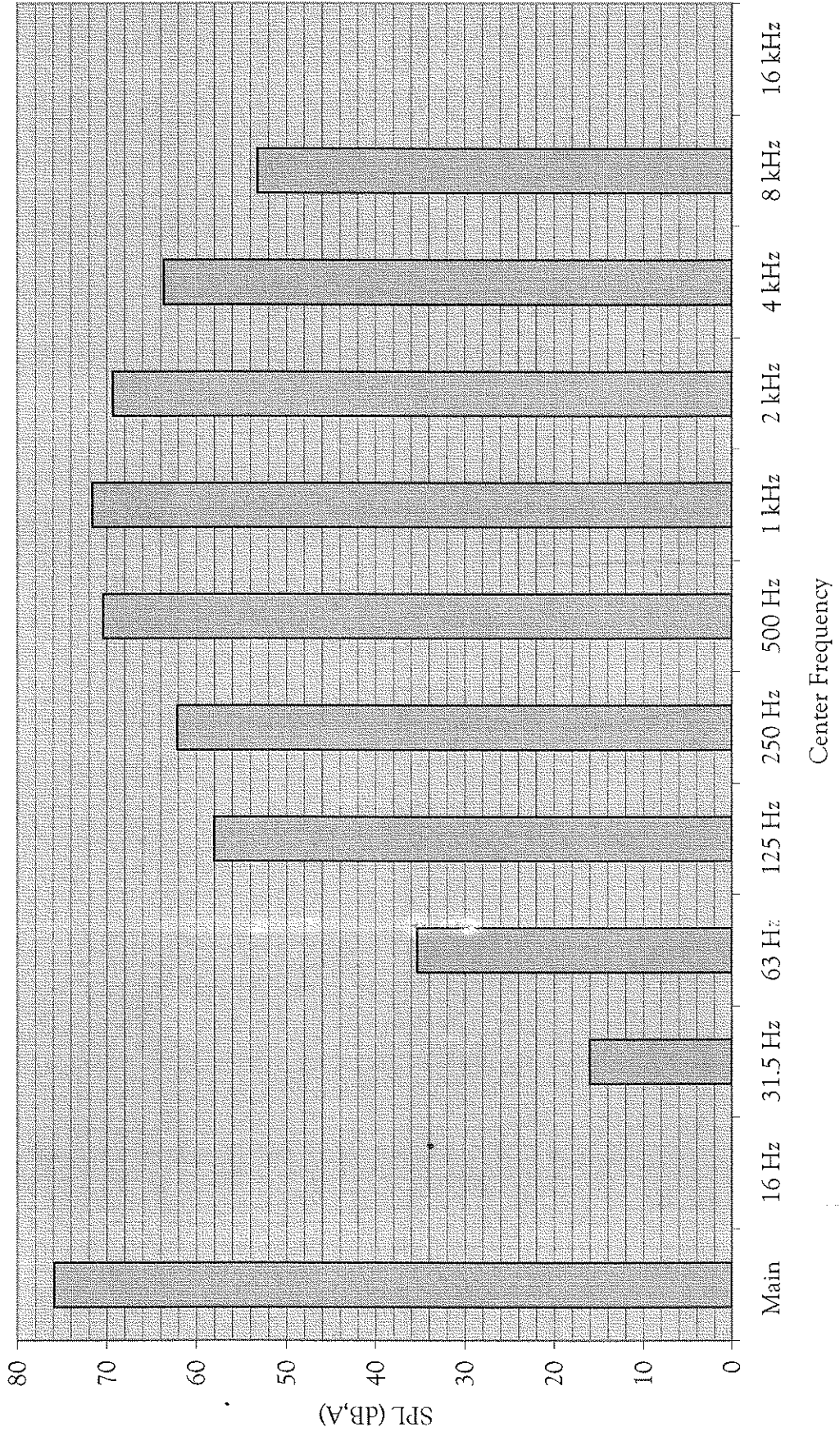
	IRA AMBIANCE	+ MUSIC	BACK FLOOR OPEN
1	32	39	36
2	31.5	37.5	31
3	49	44	
4	36	36	
5	36	36	



RENEWS: 12-31-16

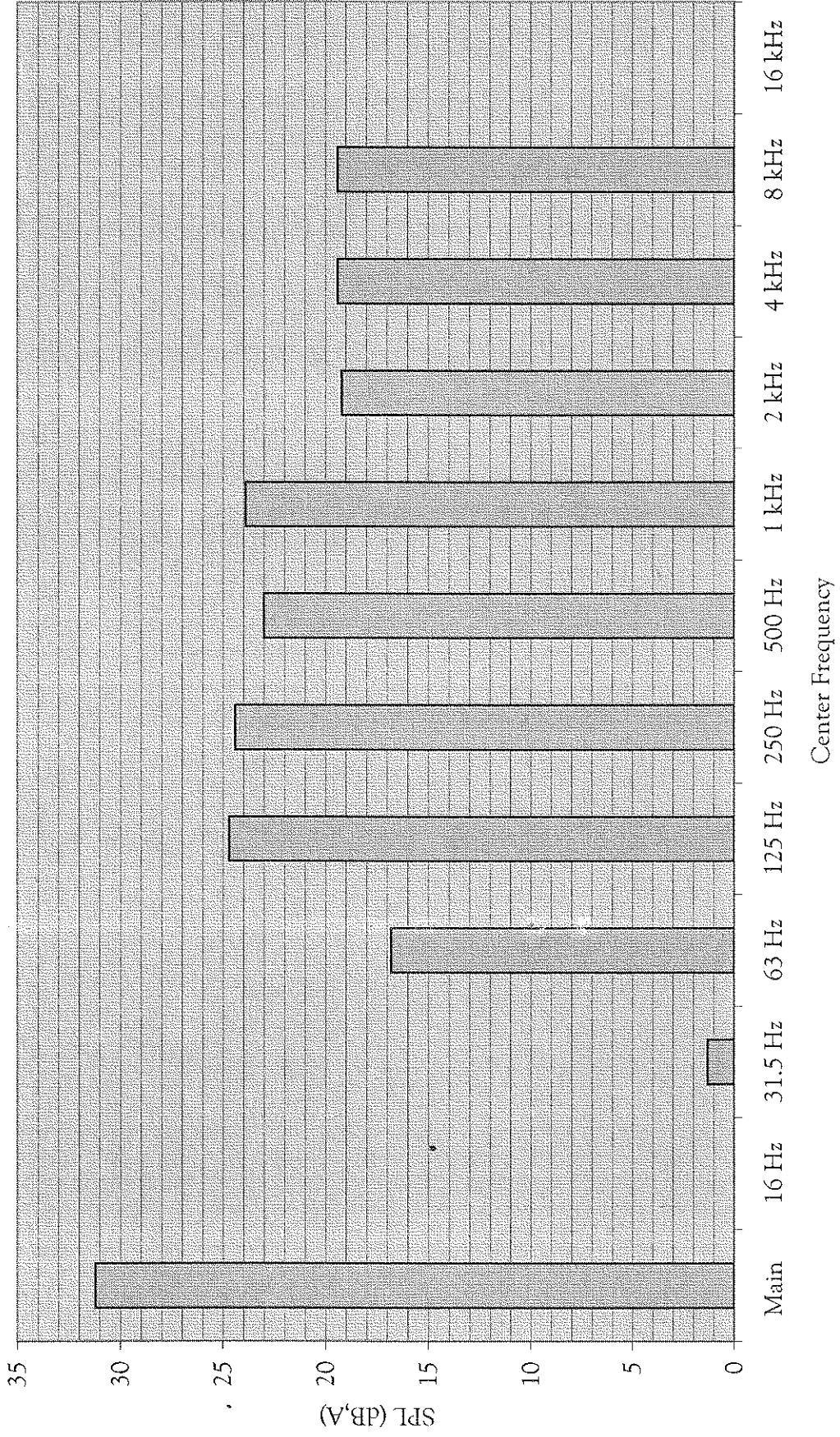
Art Noxon PE
Acoustic Eng'g

File 0134 Octave SPL Data

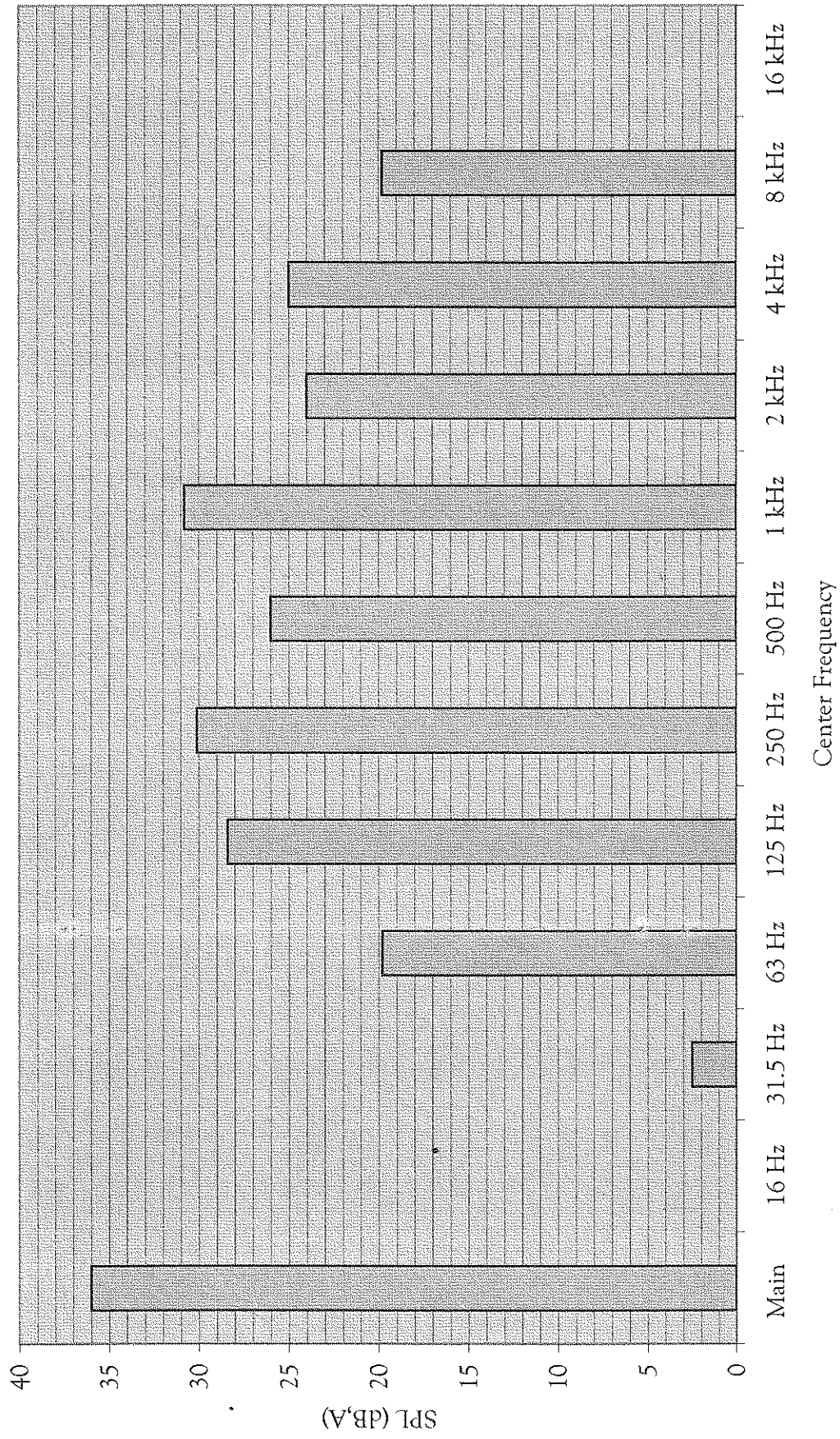


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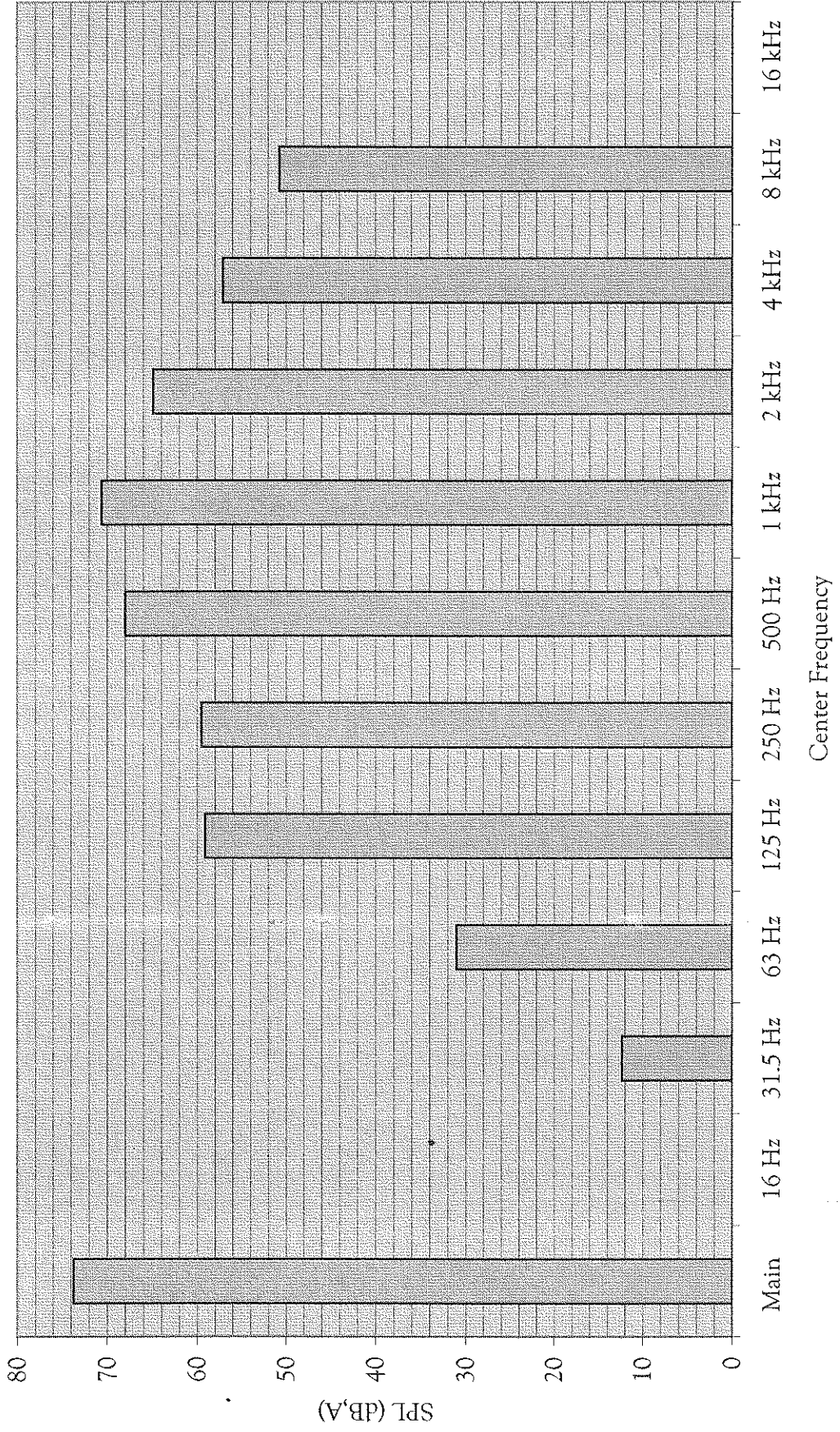
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File 0132 Octave SPL Data

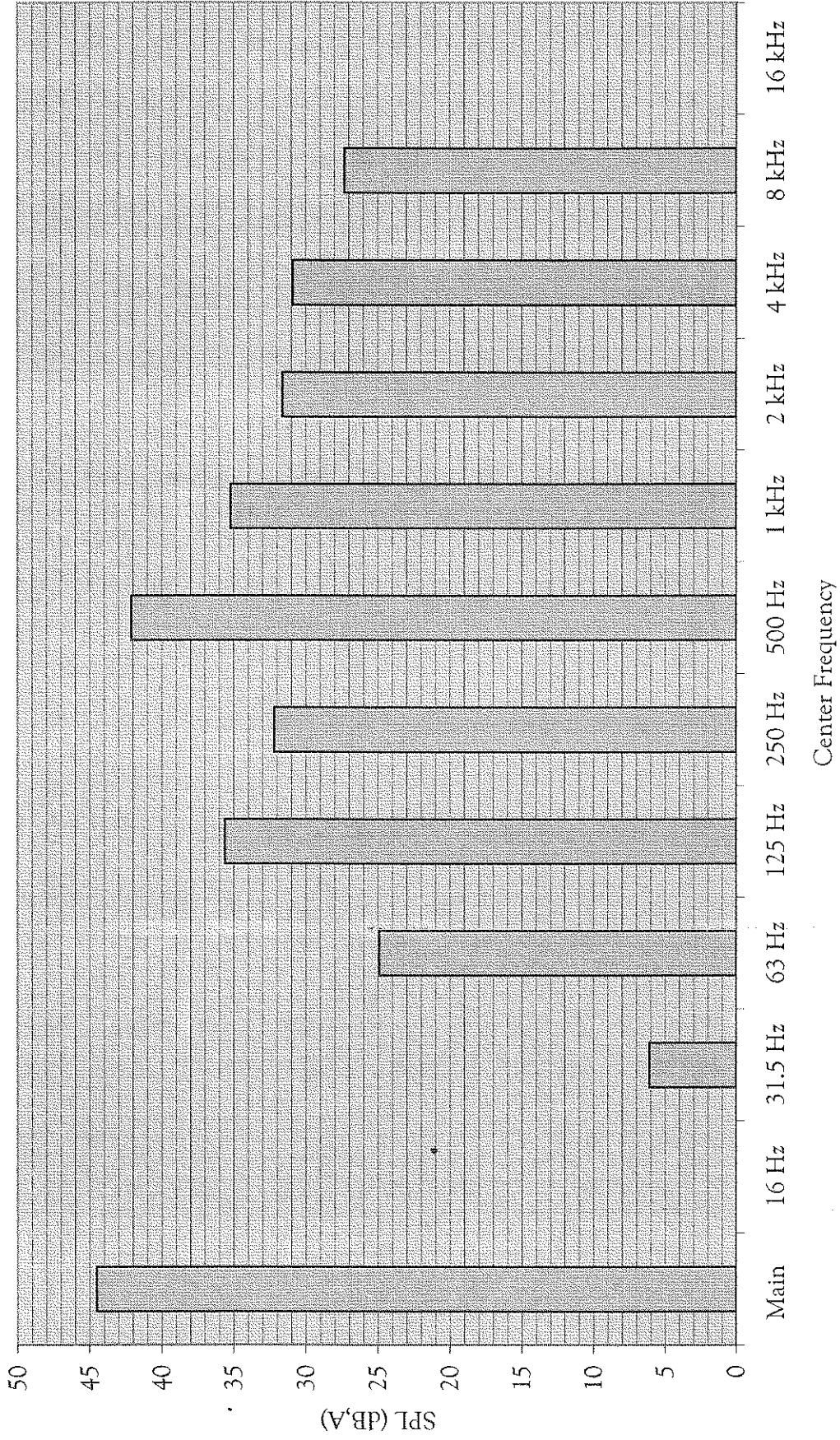


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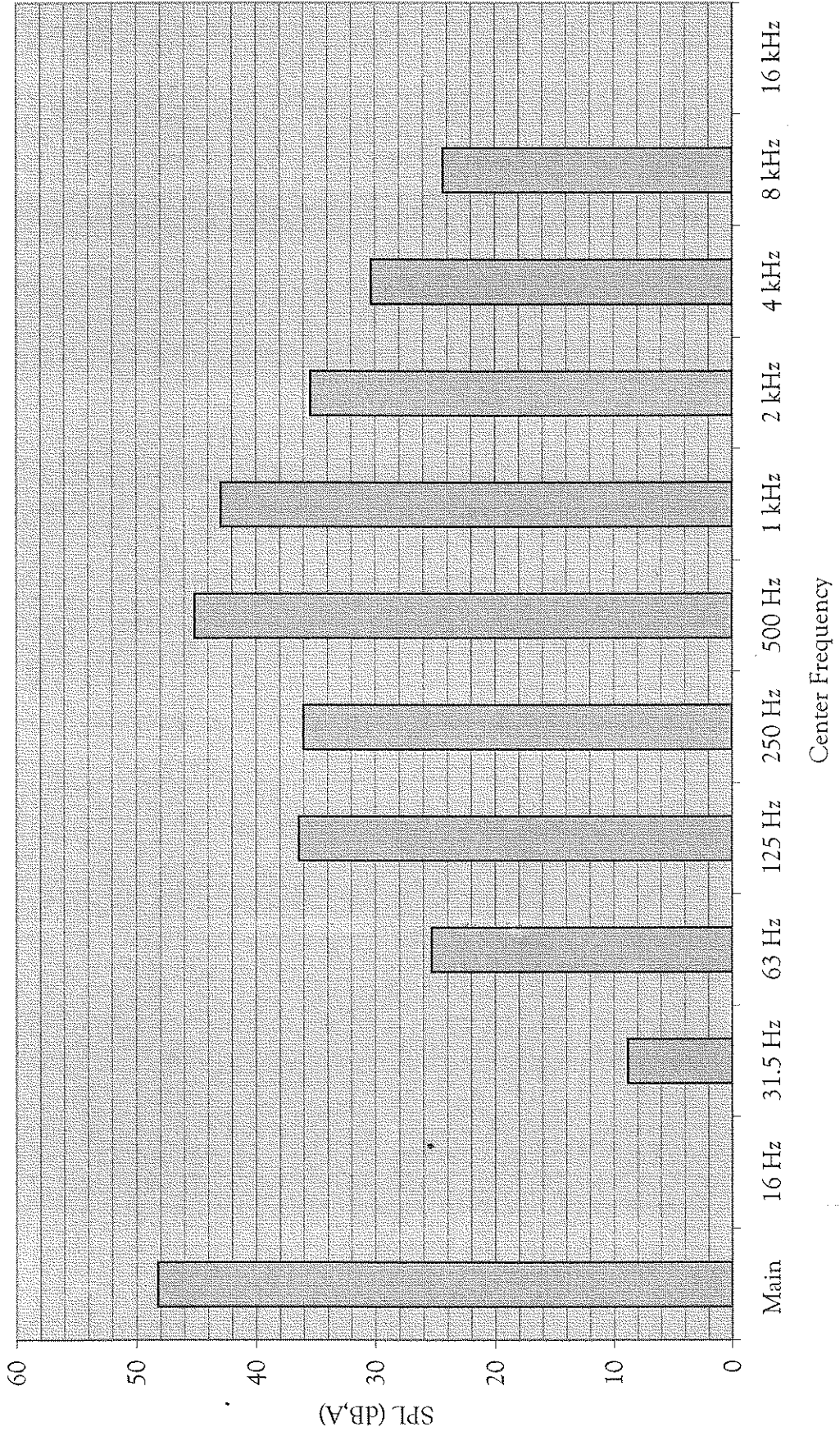
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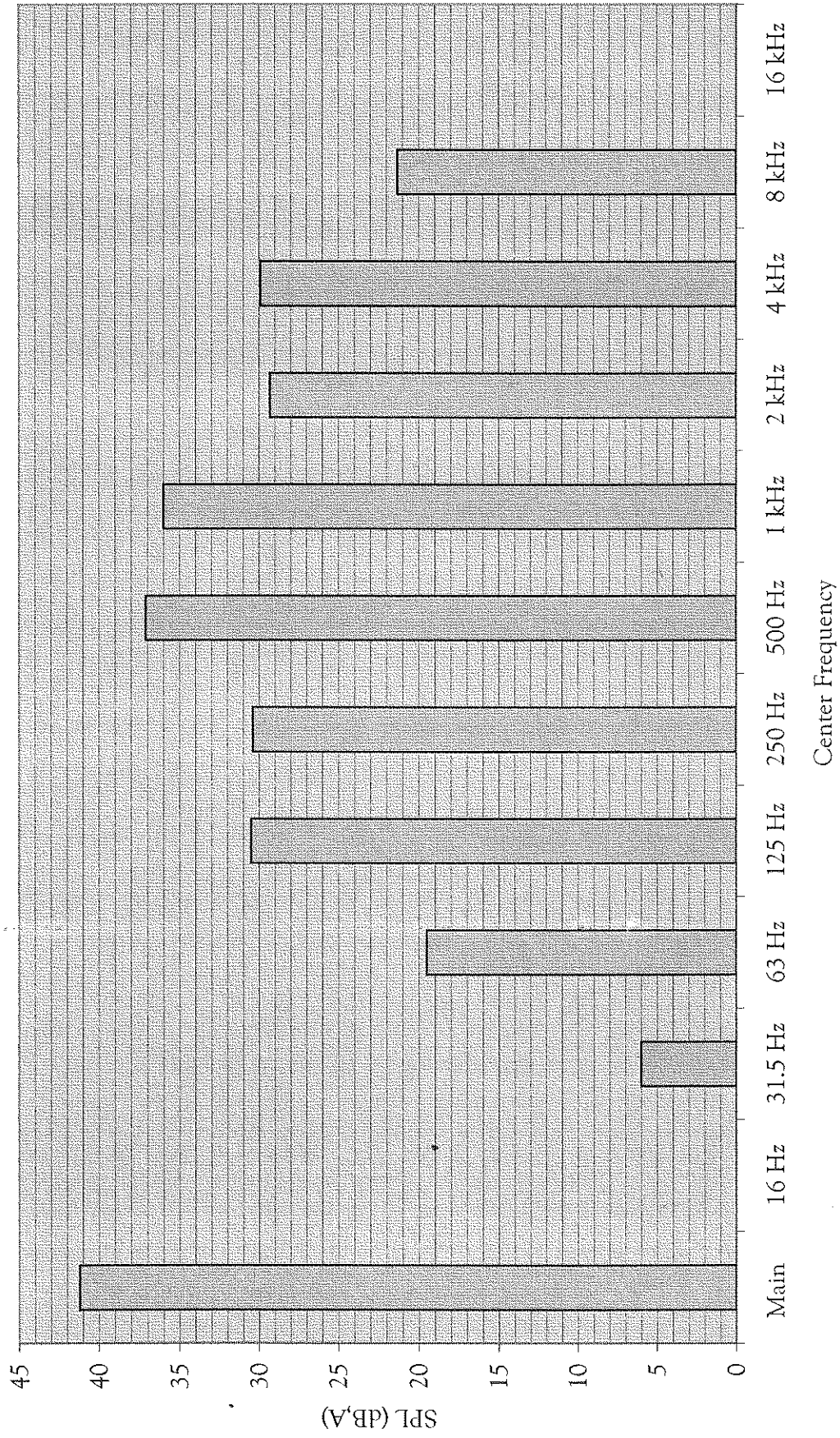
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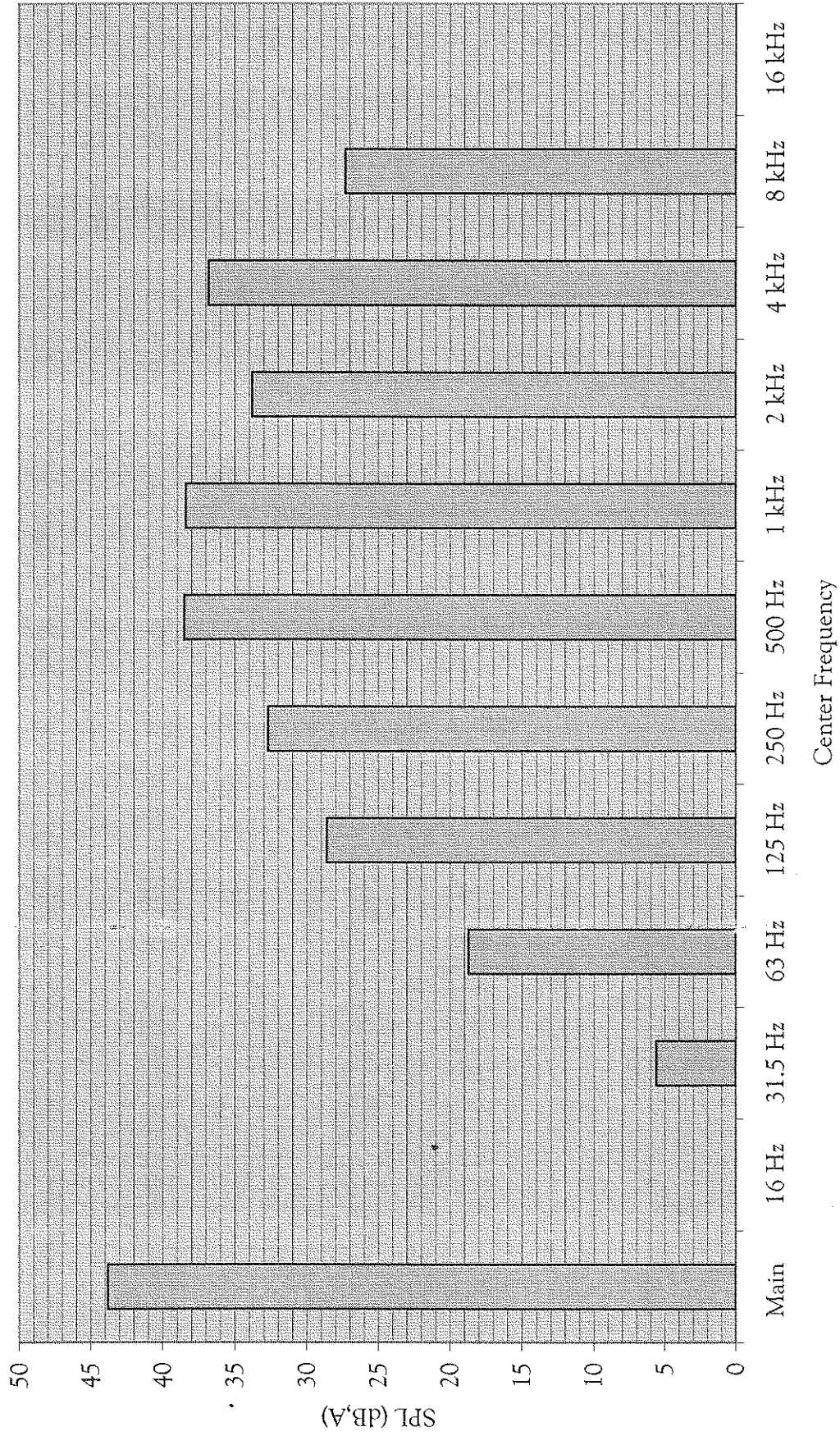


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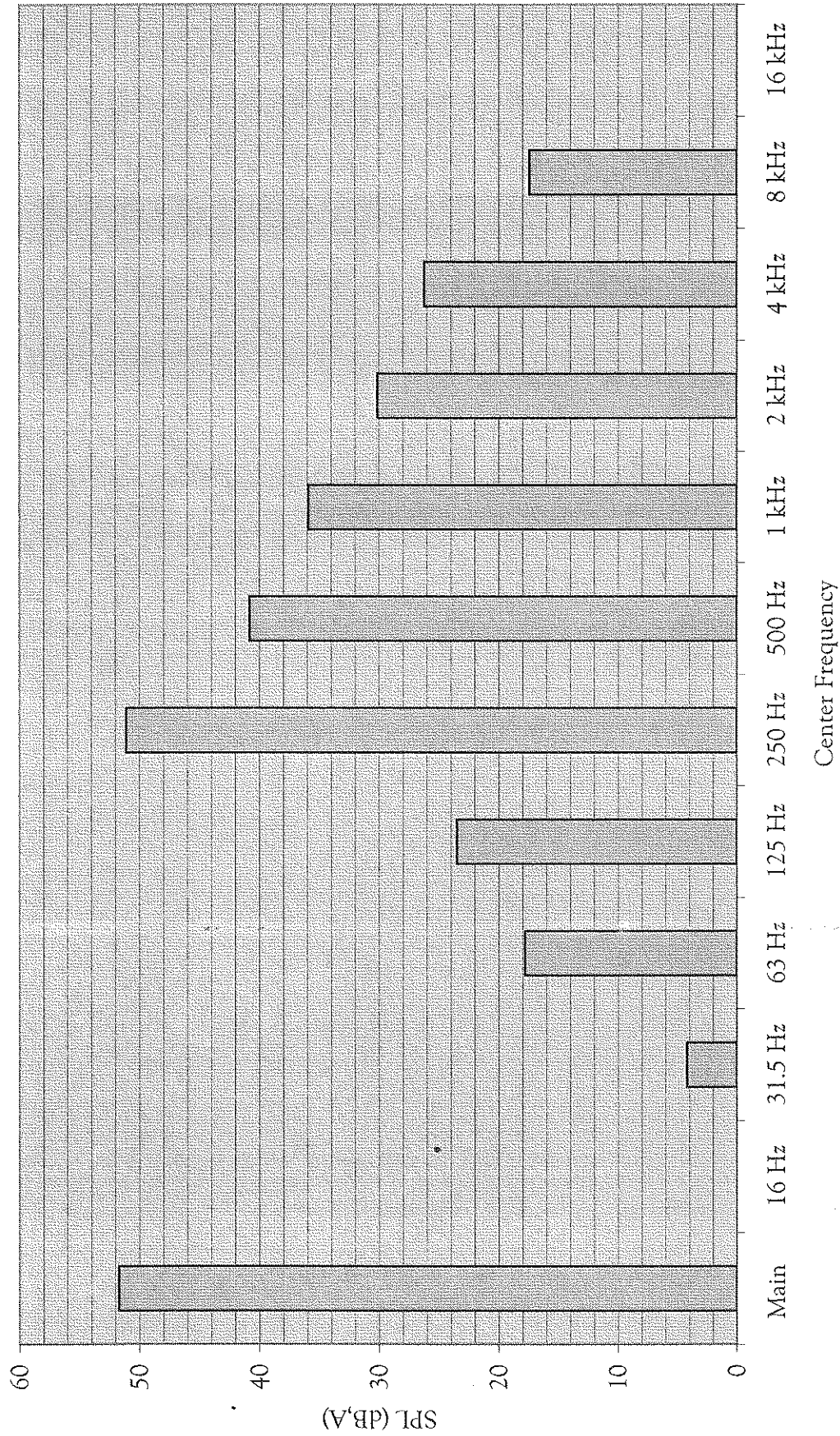
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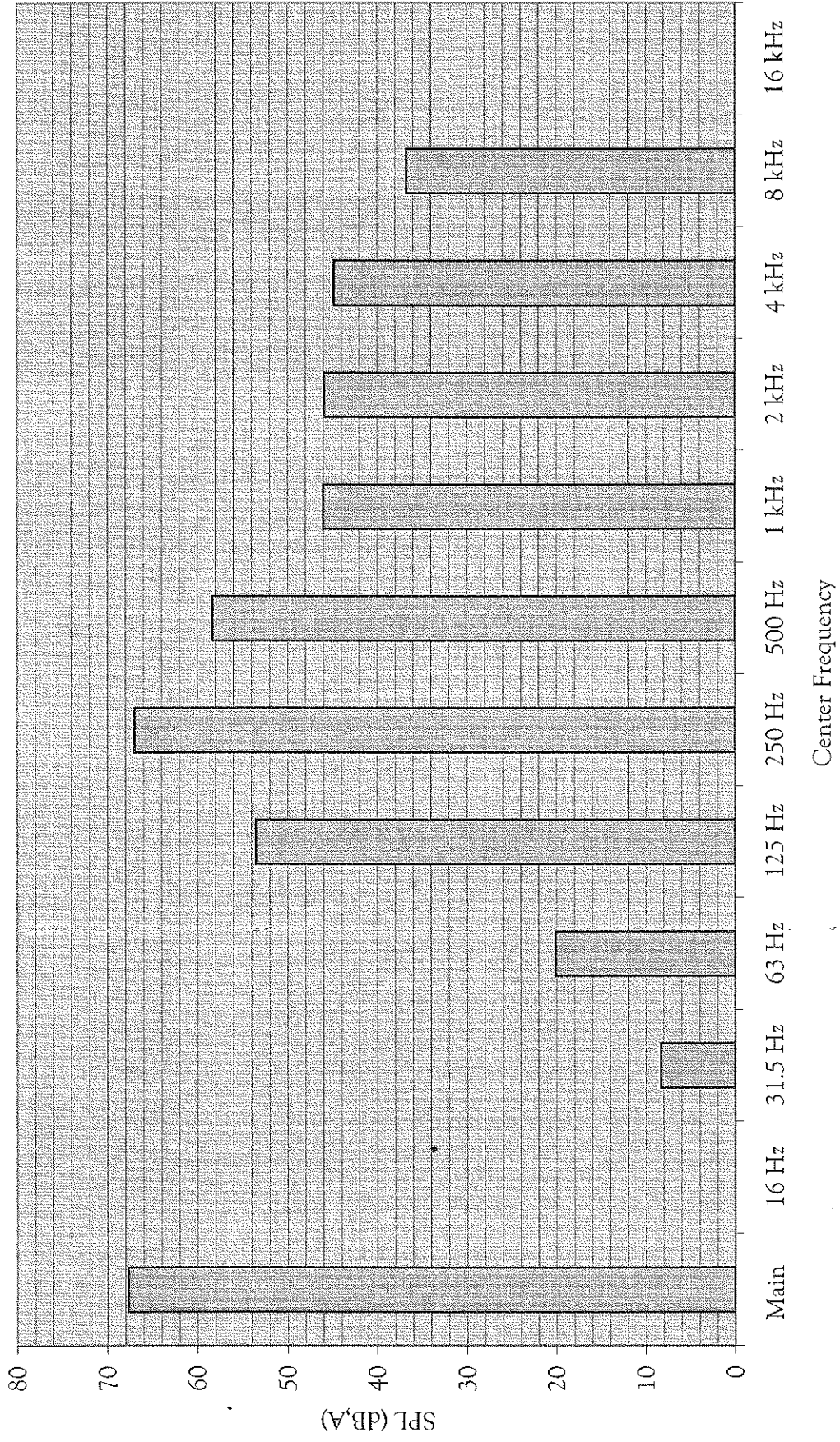
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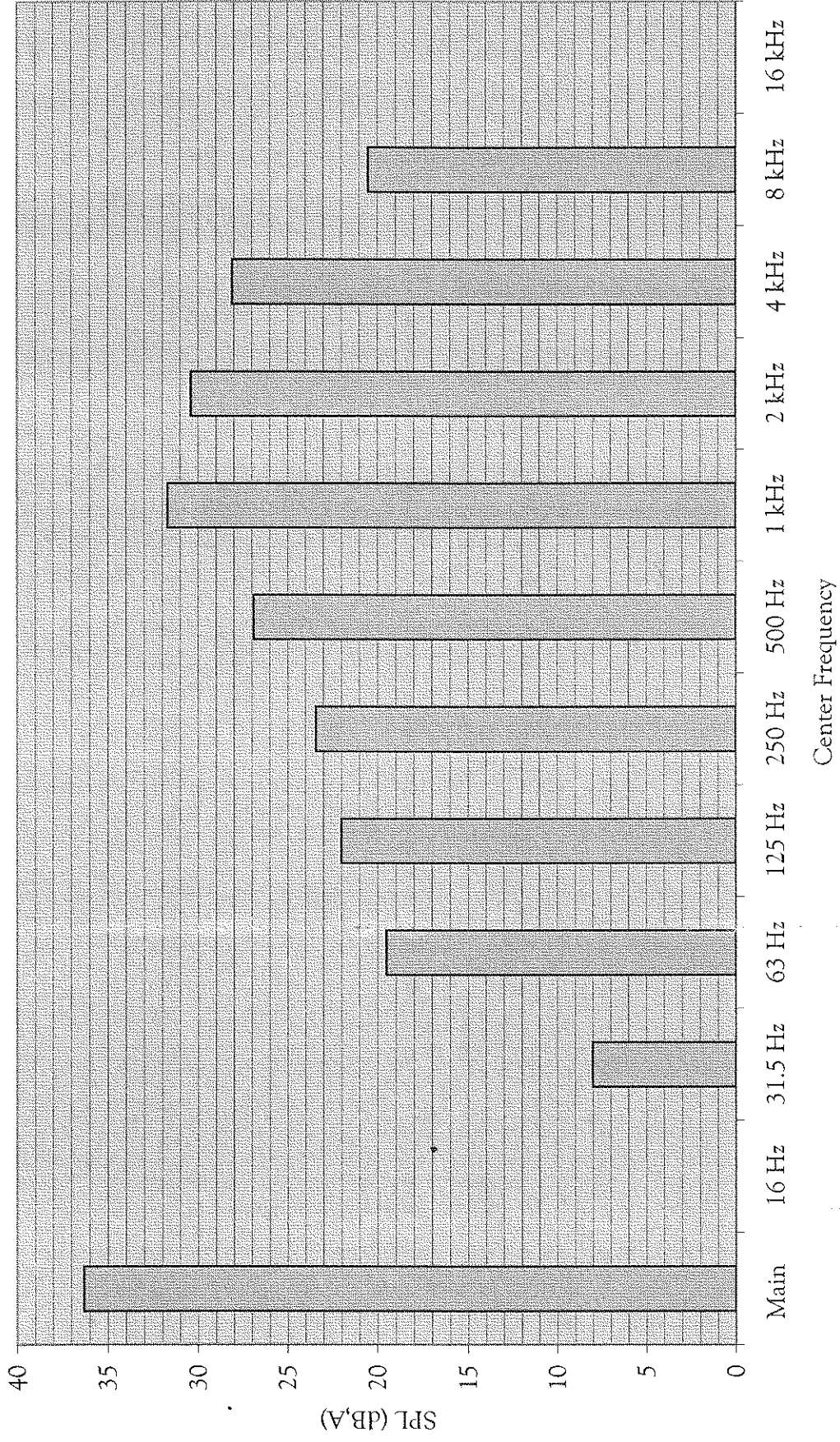
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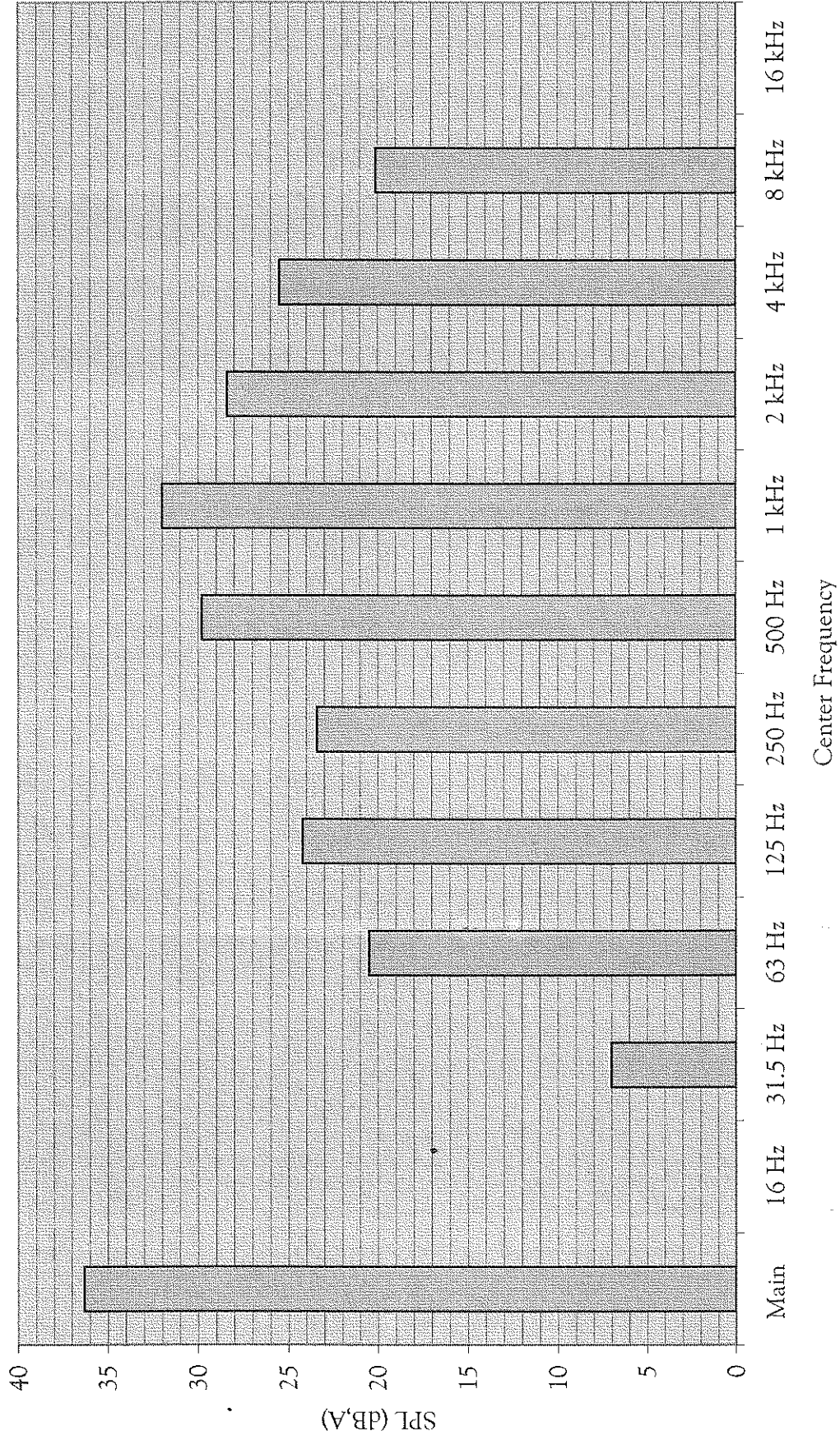
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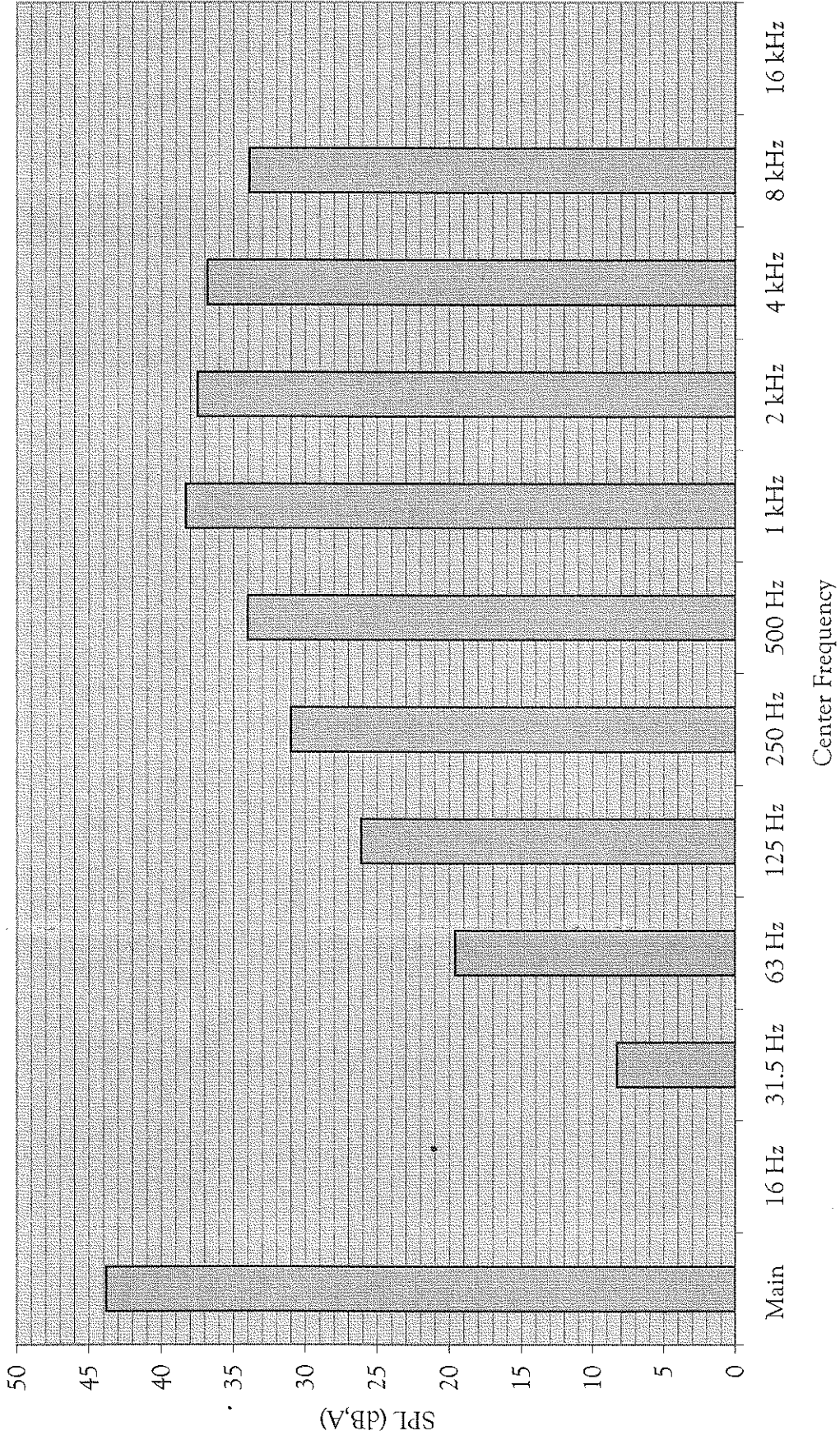


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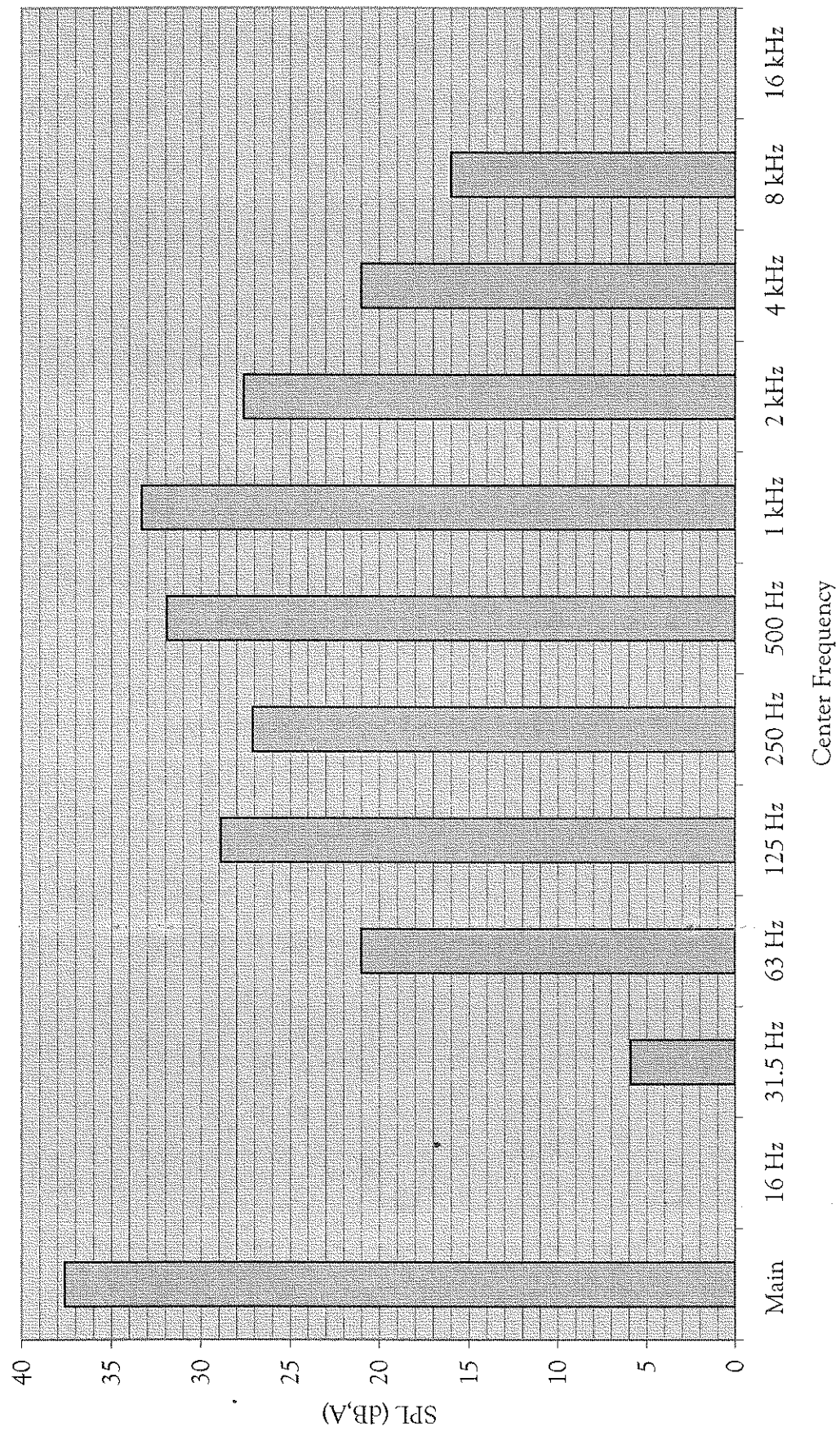
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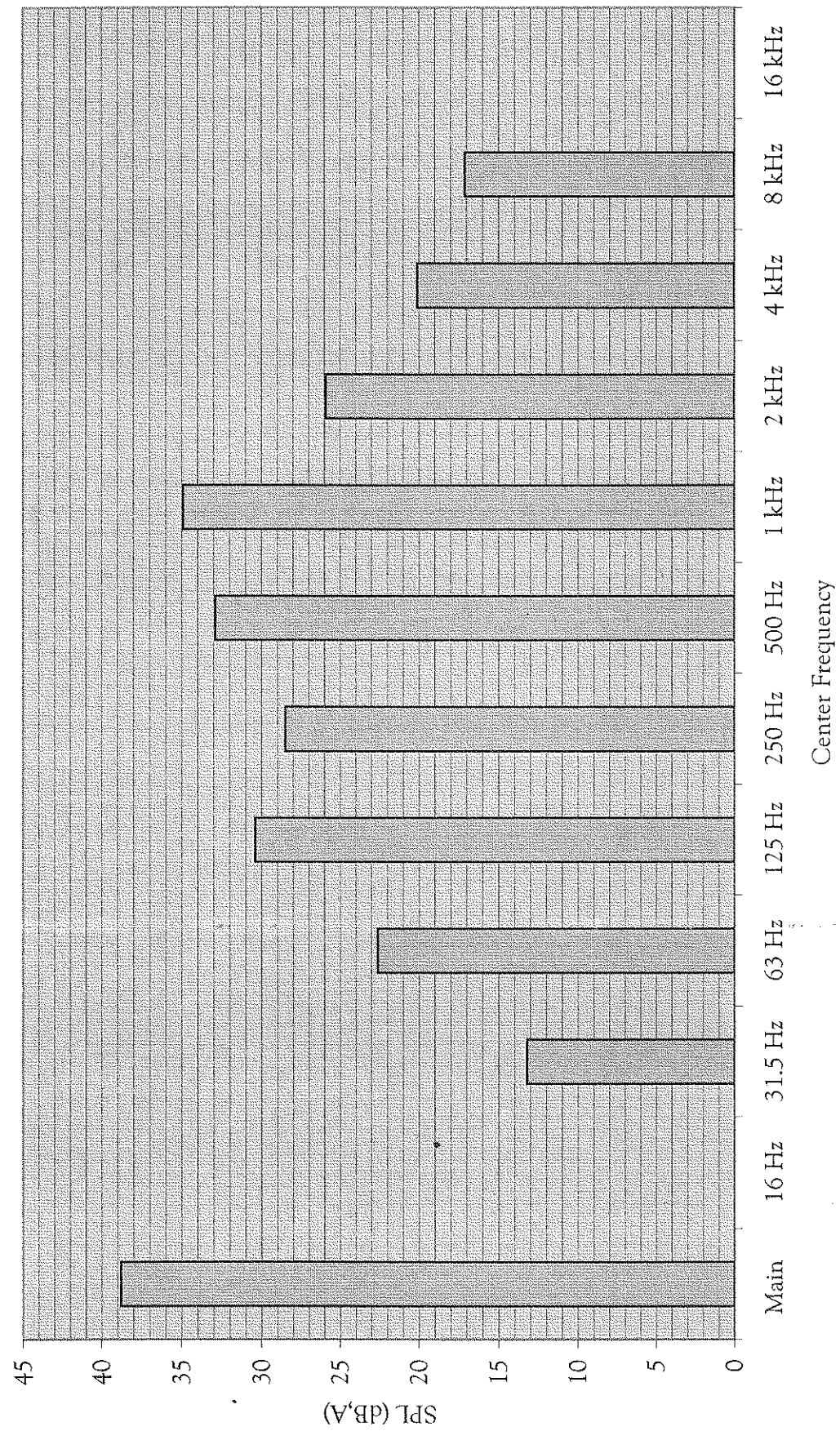


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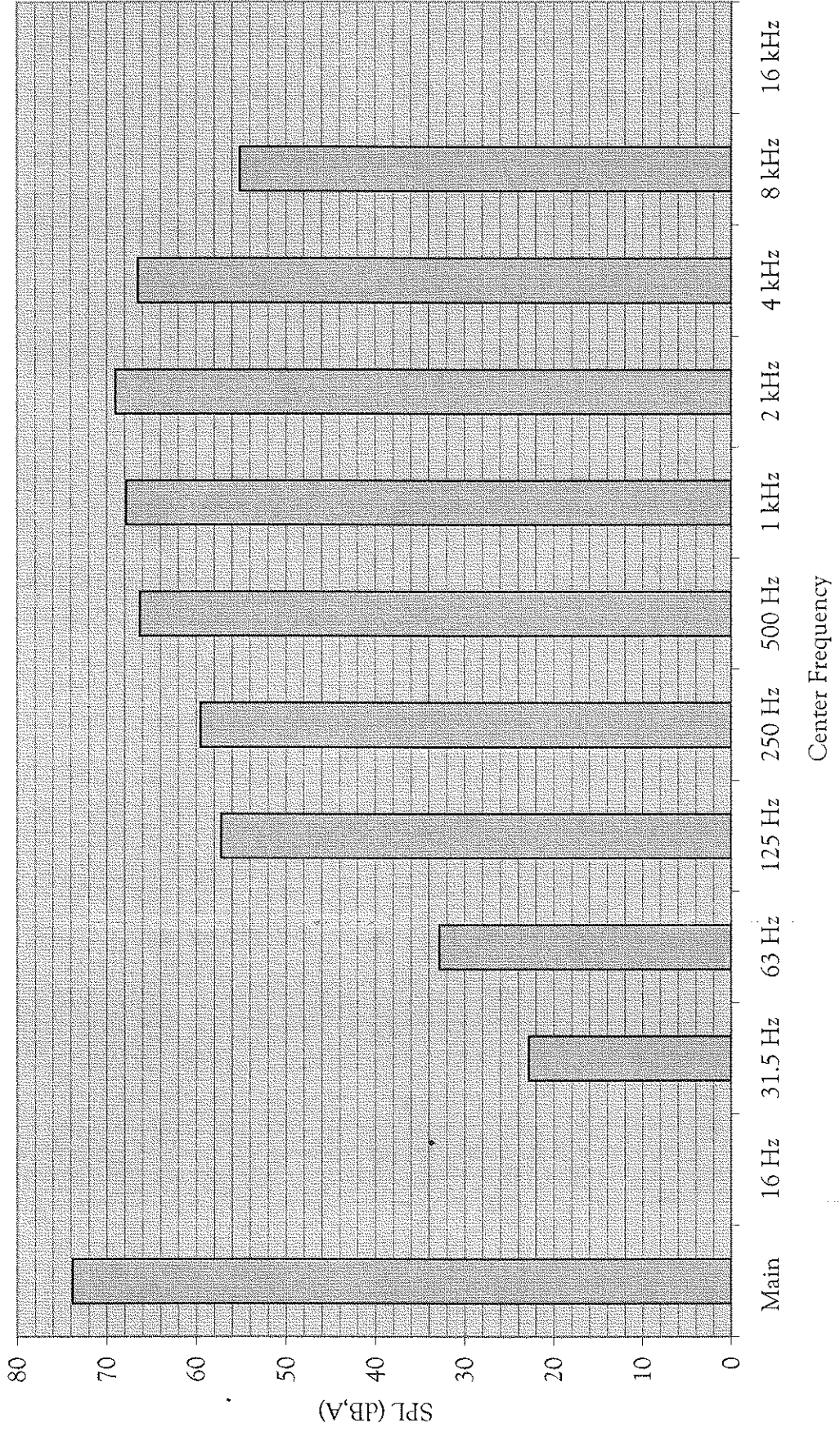


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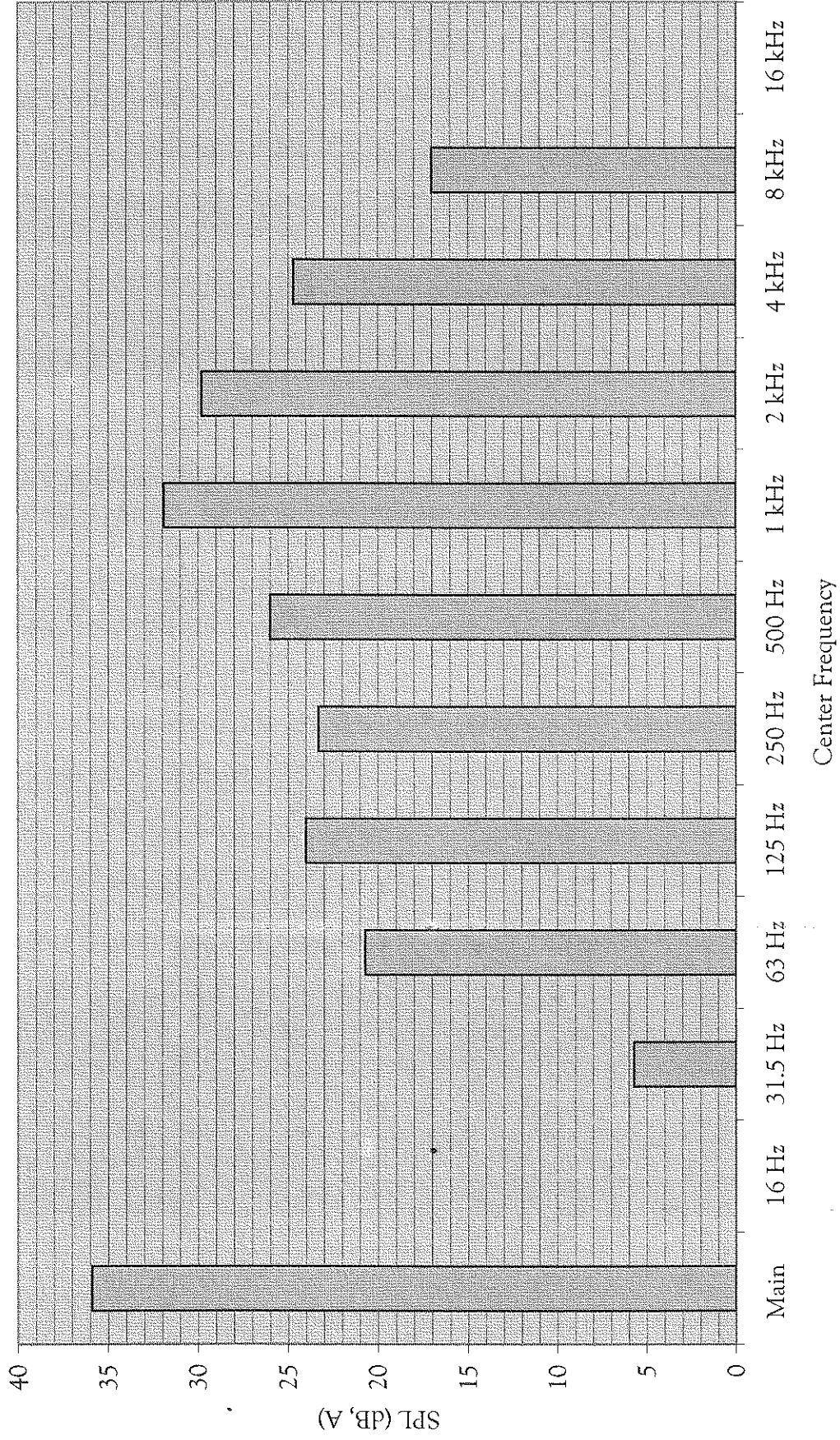
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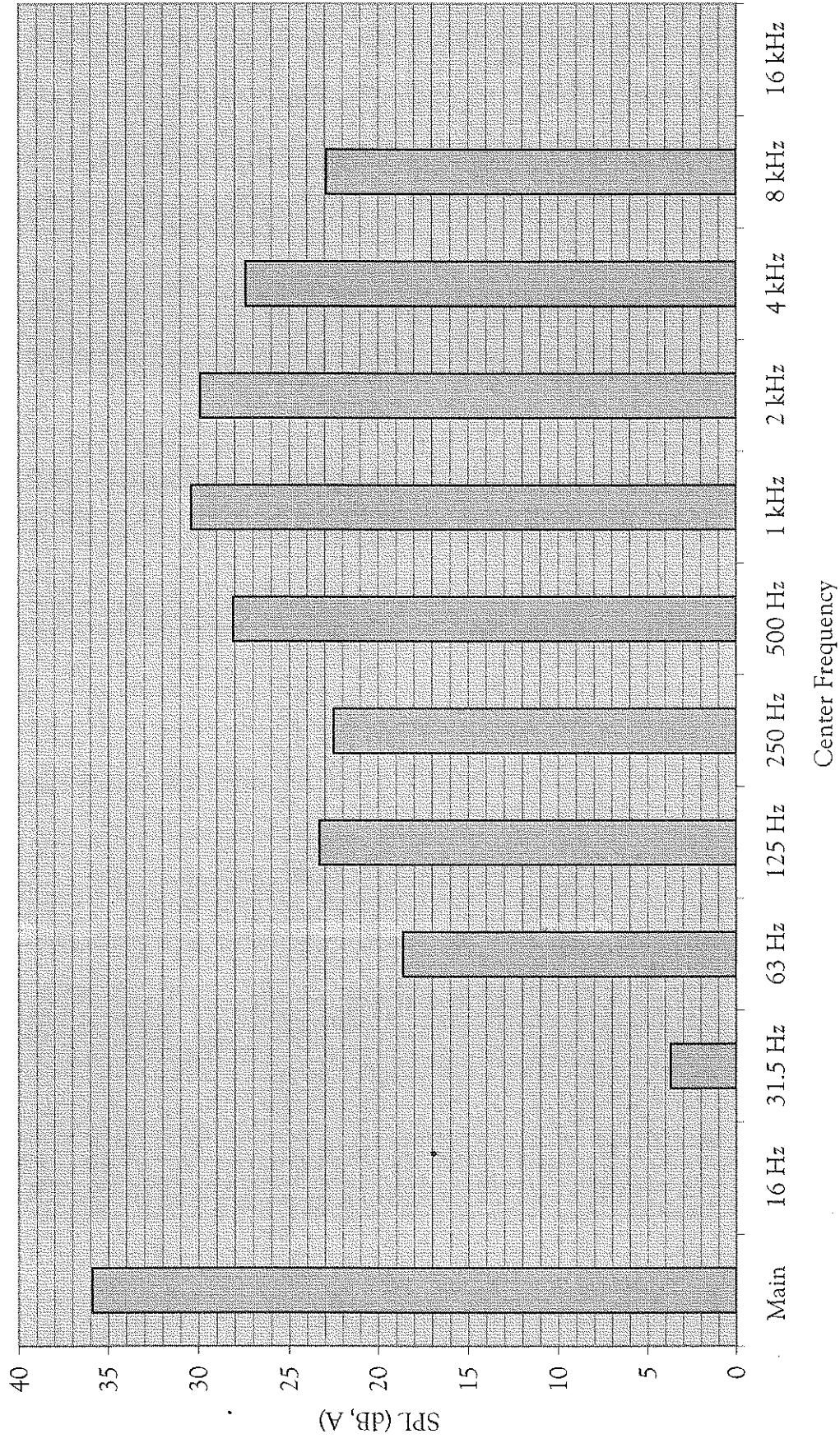
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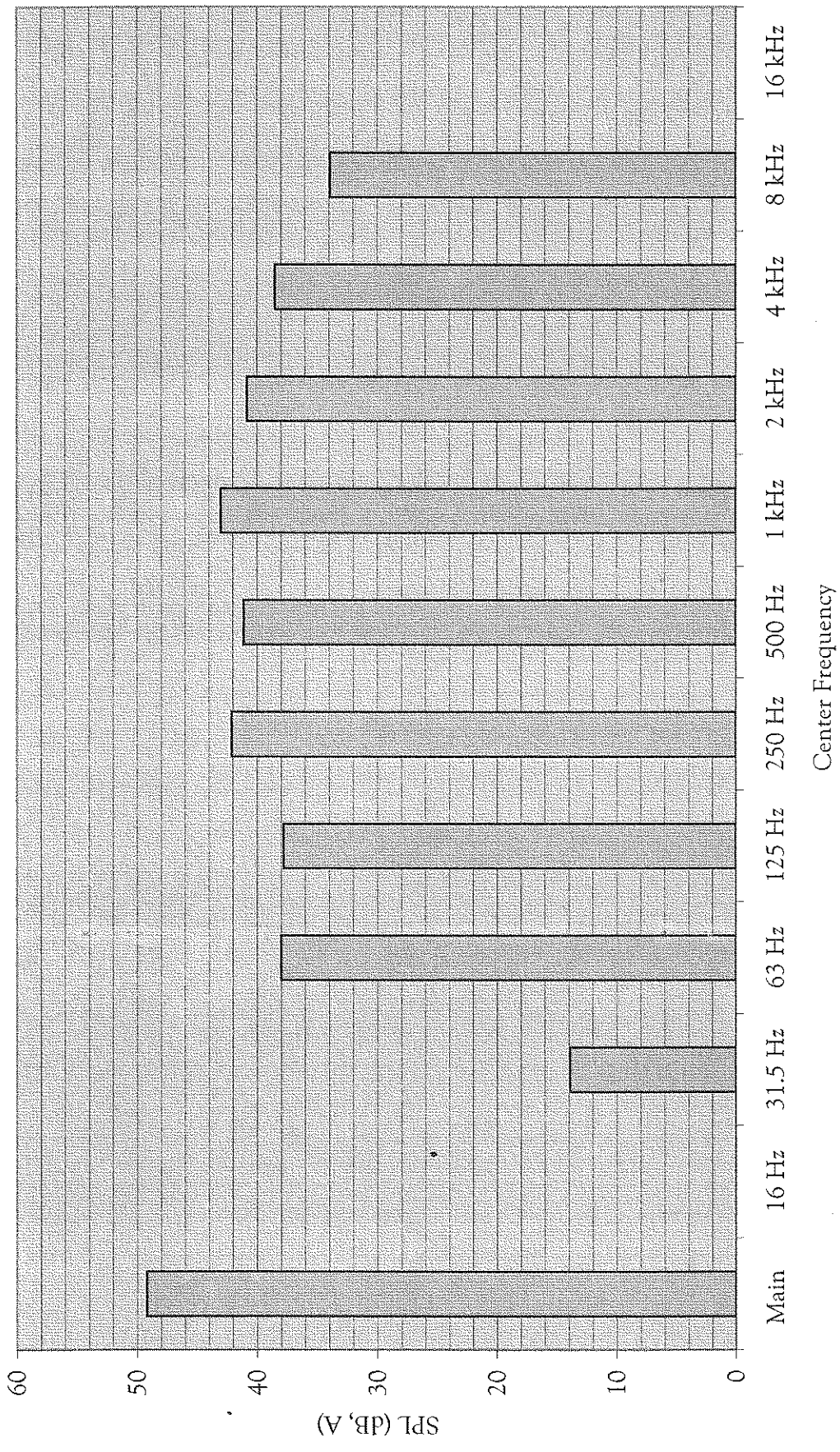
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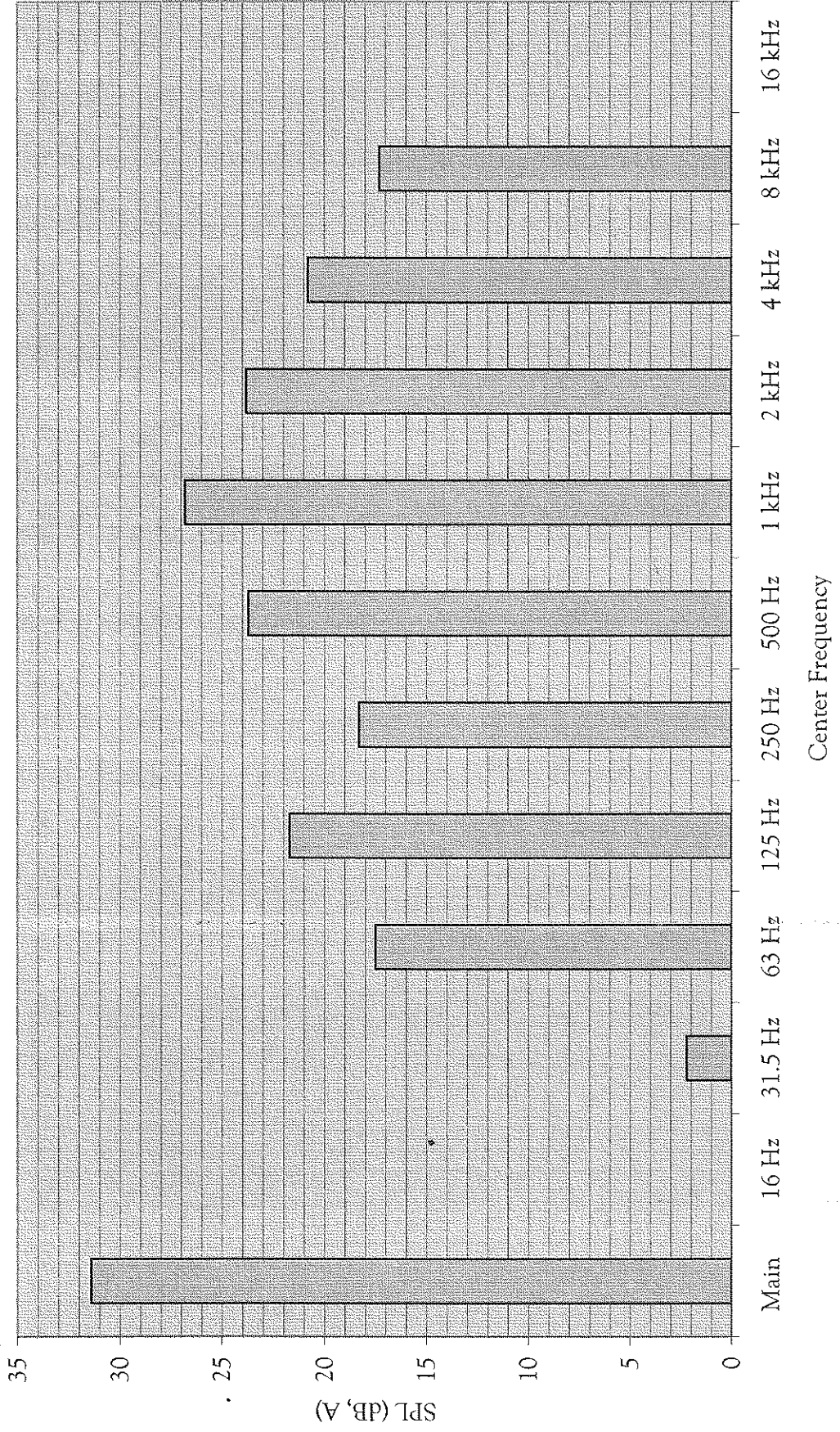


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File 0116 Octave SPL Data



File 0115 Octave SPL Data



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File 0114 Octave SPL Data

