U.S. Department of Transportation
Federal Aviation Administration

Advisory Circular

Subject:

Date: 6/5/92
Initiated by: AEE-110

AC No: 36-1F
Change:

NOISE LEVELS FOR U.S. CERTIFICATED AND FOREIGN AIRCRAFT

1. PURPOSE. This circular provides noise level data for aircraft certificated under FAR Part 36. Noise level data for foreign airplanes certificated to ICAO Annex 16 standards are also provided in a separate appendix for informational purposes. Other appendices list selected configurations of U.S. certificated aircraft and provide listings of noise levels ranked in descending order.

2. CANCELLATION. Advisory Circular 36-1E, Noise Levels for U.S. Certificated and Foreign Aircraft, dated June 30, 1988, is canceled.

3. BACKGROUND. The agency's regulatory program for airplane noise requires the quantification of airplane noise levels. Progress in the control and abatement of aircraft noise continues to be made to achieve further relief and protection to the public. This updated Advisory Circular, containing certificated airplane noise levels, will provide both private and public exposure to this progress, as well as offering a common noise level reference for potential future reductions.

4. NOISE LEVELS. Noise levels measured during type certification under FAR Part 36 and ICAO Annex 16, and definitions are presented in Appendices 1 through 11. Formulas for calculating the appropriate FAR Part 36 noise level requirements, as contained in sections C36.5, F36.301, G36.301, and H36.305 follow the appropriate appendix.

Appendix 1 provides noise levels of turbojet powered aircraft, measured during type certification under FAR Part 36, Appendix C. This appendix includes tabulations of engine model, maximum takeoff weights, landing weights, flap settings, the "Stage" with which aircraft noise levels comply, and the measured noise in Effective Perceived Noise Level (EPNdB). Data are not presented for all of the maximum certificated takeoff weights for each aircraft type. Rather, the data presented generally represent the highest and lowest maximum certificated takeoff weight.

Airplane noise levels are shown as complying with either Stage 2 or Stage 3. A "Stage 2 airplane" means an airplane that has been shown under FAR Part 36 to comply with the Stage 2 noise levels prescribed in section C36.5 of Appendix C (including use of the applicable

tradeoff provisions) and that does not comply with the requirements for a Stage 3 airplane. A "Stage 3 airplane" means an airplane that has been shown under FAR Part 36 to comply with Stage 3 noise levels prescribed in section C36.5 of Appendix C (including use of the applicable tradeoff provisions).

As required by Part 36, certification noise levels for approach are those which are most critical from a noise standpoint, for the airplane configurations used to show compliance with the landing requirements in the airworthiness regulations constituting the type certification basis of the airplane. Takeoff certification noise levels are presented for takeoff with thrust cutback unless there is an asterisk (*) in the "NOTES" column, in which case full takeoff thrust certification noise levels are presented.

It should be noted that the sideline noise levels are generally presented for the current 450-meter distance. However, some four-engine aircraft configurations were certificated to the earlier 650-meter standard; these configurations are denoted with a double asterisk (**) in the "NOTES" column.

Since the original measurement locations and noise test conditions cited in FAR Part 36, November 18, 1969, have been amended through the years, the noise levels contained herein are for the measurement locations and noise test conditions applicable at the time of certification. In each case, the measured data have been corrected to sea level, 77F, 70% relative humidity conditions using the procedures outlined in FAR Part 36. Specific information providing more detail on either the measurement locations or noise test conditions, if available, are indicated by the notes accompanying each listing. Blank spaces or lack of notes in the report indicate the data were not available.

Appendix 2 provides noise levels of foreign turbojet powered aircraft certificated to ICAO Annex 16, Chapters 2 and 3. These noise levels are provided for informational purposes. Aircraft certificated to both U.S. and foreign standards are only listed in Appendix 1.

Appendix 3 provides a listing of U.S. certificated Stage 3 turbojet powered aircraft. These aircraft are also included in Appendix 1.

Appendix 4 and 5 represent selected listings of noise levels for turbojet powered aircraft certificated under FAR Part 36, Appendix C. Appendices 4 and 5 provide listings of takeoff and approach noise levels in EPNdB, respectively, in descending order. Representative models of each aircraft are listed, using the maximum takeoff weight available. These listings are presented as a convenience in locating noise level data on specific aircraft models. For a more detailed listing on variations of a

representative model, see Appendix 1.

Appendix 6 contains noise levels of U.S. propeller-driven aircraft certificated in the transport category. Noise levels measured during type certification were obtained under FAR Part 36, Appendix C. This appendix includes tabulations of maximum takeoff weights, landing weights, engine type, horsepower, propeller type, diameter, and flap settings. The "Stage" with which the aircraft noise levels comply is also provided, as well as the Effective Perceived Noise Level (EPNdB).

Appendix 7 lists the certificated airplane noise levels for propeller-driven small airplanes certificated under FAR Part 36, Appendix F. This appendix includes a tabulation of maximum takeoff weights, landing weights, engine type, horsepower, propeller type and diameter. The measured A-weighted sound levels (dBA) for flyovers have been corrected to sea level 77F, 70% relative humidity conditions where required by FAR Part 36, Appendix F.

Appendix 8 lists the certificated airplane noise levels for propeller-driven small airplanes and commuter category airplanes certificated under FAR Part 36, Appendix G. Note that the FAR Part 36, Appendix G noise certification requirements for propeller-driven small airplanes and commuter category airplanes superceded those of FAR Part 36, Appendix F for noise certification tests conducted on or after December 22, 1988.

Appendix 9 contains listings of foreign propeller-driven small aircraft certificated under ICAO Annex 16, Chapter 6. Noise levels are listed for informational purposes.

Appendix 10 lists the certificated noise levels for helicopters certificated under FAR Part 36, Appendix H. Helicopter noise levels are classified as either Stage 1 or Stage 2. A "Stage 2" helicopter means a helicopter which has been shown under FAR Part 36 to comply with the Stage 2 noise levels prescribed in section H36.305 of Appendix H (including use of applicable tradeoff provisions).

Appendix 11 provides definitions that apply to column headings of the preceding appendices.

5. REVISIONS. The airplane noise level listings of this Advisory Circular will be revised and updated periodically.

Louise E. Maillett
Director, Office of Environment and Energy

LIST OF APPENDICES

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
AEROSPATIALE	SN601 CORVETTE	13.90	12.40	JT15D-4	2	2.50	2.5	15	35	80.4	85.4	89.5	3	*	A-1
AEROSPATIALE	SN601 CORVETTE	14.60	13.20	JT15D-4	2	2.52	2.5	15	35	74.0	81.0	90.0	3		A-1
AIRBUS	A300B2-203	313.10	286.60	CF6-50-C2	2	51.80	4.3	16	25	91.1	97.9	103.1	3		AI
AIRBUS	A300B4-103	347.20	295.40	CF6-50-C2	2	51.80	4.3	16	25	93.6	97.7	103.0	3		AI
AIRBUS	A300B4-203	313.05	286.60	CF6-50C2	2	51.80	4.3	0	25	90.5	97.3	102.4	3	31	EU
AIRBUS	A300B4-203	363.70	299.83	CF6-50-C2	2	51.80	4.3	0	25	94.0	96.9	102.4	3	31	EU
AIRBUS	A300B4-605R	375.10	308.00	CF6-80-C2-A5	2	60.22	5.2		40	91.1	98.9	99.8	3		NM
AIRBUS	A300B4-622R	330.00	275.00	PW-4158	2	58.00		0	40	88.0	98.3	101.3	3		NM
AIRBUS	A300B4-622R	385.00	304.50	PW-4158	2	58.00		0	40	93.1	97.9	101.9	3		NM
AIRBUS	A310-221	305.60	267.90	JT9D-7R4D1	2	48.00	4.5	15	40	90.5	94.8	100.6	3		NM
AIRBUS	A310-304	275.58	261.25	CF6-80C2A2	2	53.50		0	40	85.7	96.5	98.5	3		EU
AIRBUS	A310-304	352.74	286.60	CF6-80C2A2	2	53.50		0	40	92.9	96.1	98.8	3		EU
AIRBUS	A310-324	330.69	271.16	PW-4152	2	52.00		15	40	90.6	97.2	100.2	3		NM

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MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
AIRBUS	A320-211	162.00	142.20	CFM56-5A1	2	25.00			35	87.8	94.3	96.4	3		NM
AIRBUS	A320-211	149.90	142.20	CFM56-5A1	2	25.00			35	85.3	94.4	96.4	3		NM
AIRBUS	A320-231	162.00	142.20	V2500.A1	2	25.00			40	86.6	92.8	96.6	3		NM
AIRBUS	A320-231	149.90	142.20	V2500.A1	2	25.00			40	84.0	93.0	96.6	3		NM
BAe	1-11 200	80.00	71.00	SPEY 506-14	2	10.40	1.0	3	45	93.3	99.1	97.8	2	12	BA
BAe	1-11 400	87.00	77.20	SPEY511-14/14W	2	11.40	0.7	0	45	94.8	103.4	99.7	2	12	BA
BAe	1-11 400	89.50	79.00	SPEY511-14/14W	2	11.40	0.7	0	45	95.7	103.3	99.9	2	12	BA
BAe	125-1000	31.00	25.00	PW305	2			0	25	81.8	85.9	91.6	3		NM
BAe	125-800	27.40	23.35	TFE731-5R-1H	2	4.30	3.3	0	45	80.9	87.2	96.5	3		BA
BAe	125-800A	27.40	23.35	TFE731-5R-1H	2	4.30	3.3	0	45	80.9	89.6	96.5	3	25	BA
BAe	146-100A	76.00	72.35	ALF502R-3	4	6.70	5.9	18	33	80.7	87.2	95.1	3		BA
BAe	146-100A	76.00	72.35	ALF502R-3A	4	6.97	5.7	18	33	79.0	88.0	94.9	3		BA
BAe	146-100A	82.25	73.35	ALF502R-3A	4	6.97	5.7	18	33	82.3	87.6	95.2	3		BA

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MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BAe	146-100A	82.25	73.35	ALF502R-5	4	6.97	5.7	18	33	82.3	87.6	95.2	3		BA
BAe	146-100A	84.00	77.50	ALF502R-5	4	6.97	5.7	18	33	81.8	87.7	95.6	3		BA
BAe	146-200A	89.50	77.50	ALF502R-3	4	6.70	5.9	18	33	85.9	86.6	95.6	3		BA
BAe	146-200A	89.50	77.50	ALF502R-3A	4	6.97	5.7	18	33	84.9	87.3	95.6	3		BA
BAe	146-200A	89.50	77.50	ALF502R-5	4	6.97	5.7	18	33	84.9	87.3	95.6	3		BA
BAe	146-200A	93.00	81.00	ALF502R-5	4	6.97	5.7	18	33	85.2	87.3	95.8	3		BA
BAe	146-300A	95.00	83.00	ALF 502R-5	4	6.97	5.7	18	33	86.0	87.0	96.0	3		BA
BAe	146-300A	97.50	84.50	ALF502R-5	4	6.97	5.7	18	33	86.5	86.7	95.6	3		BA
BAe	C-29A	28.00	23.35	TFE731-5R-1H	2	4.30	3.3	0	45	81.4	87.3	95.8	3		BA
BAe	HS 125-1A	21.70	19.60	TFE731-3-1H	2	3.70	2.7	0	45	84.2	90.0	96.0	3		BA
BAe	HS 125-1A	21.20	19.60	TFE731-3-1H	2	3.70	2.7	0	45	83.4	90.1	96.0	3		BA
BAe	HS 125-3A	21.70	20.00	TFE731-3-1H	2	3.70	2.7	0	45	84.2	90.0	96.3	3		BA
BAe	HS 125-3A/RA	23.60	20.00	TFE731-3-1H	2	3.70	2.7	0	45	85.5	89.8	95.7	3		BA

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MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BAe	HS 125-400A	23.60	20.00	TFE731-3-1H	2	3.70	2.7	0	45	85.5	89.8	95.7	3		BA
BAe	HS 125-600A	25.50	22.00	TFE731-3-1H	2	3.70	2.7	0	45	88.0	89.2	96.3	3		BA
BAe	HS 125-600A	25.50	22.00	VIPER 601-22	2	3.65	0.0	0	45	92.3	99.2	102.9	2	12	BA
BAe	HS 125-700A	25.50	22.00	TFE731-3-1H	2	3.70	2.7	0	45	88.0	89.2	96.3	3	33	BA
BAe	HS 125-700A	25.50	22.00	TFE731-3-1H	2	3.70	2.7	0	45	91.6	92.1	96.0	2	25,33	BA
BEECH	BEECHJET 400	15.78	14.22	JT15D-5	2	2.88		10	30	88.6	93.7	91.4	3	*	SW
BOEING	B-707-100B (QNC)	241.30	190.00	JT3D-1	4				30	103.4	102.8	102.8	2	6,**	NM
BOEING	B-707-100B (QNC)	258.00	190.00	JT3D-3B	4				30	103.8	102.7	102.8	2	6,**	NM
BOEING	B-707-120B (SHANNON)	258.00	190.00	JT3D-1	4				30	103.5	97.6	105.3	2	21,**	B-1
BOEING	B-707-138B (SHANNON)	258.00	190.00	JT3D-1	4				30	103.2	97.6	105.3	2	21,**	B-1
BOEING	B-707-300B ADV/C QNC	335.00	247.50	JT3D-3B	4				25	104.4	98.9	107.9	2	6,**	NM
BOEING	B-707-300B ADV/C SHN	330.00	201.00	JT3D-7	4				25	104.7	99.6	108.3	2	6,**	NM
BOEING	B-707-300B ADV/C SHN	321.00	240.00	JT3D-3B	4				25	104.5	99.2	108.2	2	6,**	NM

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				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-707-300B ADV/C SHN	322.30	247.00	JT3D-1-3B(IC)	4			14	25	105.5	99.3	105.7	2	6,21,**	B-1
BOEING	B-720B (QNC)	234.00	175.00	JT3D-1	4				30	102.3	102.9	101.6	2	6,**	NM
BOEING	B-720B (QNC)	234.00	175.00	JT3D-3B	4				30	99.3	103.2	101.6	2	6,**	NM
BOEING	B-720B (SHANNON)	234.00	175.00	JT3D-1	4				30	98.9	98.0	104.7	2	6,**	NM
BOEING	B-720B (SHANNON)	234.00	175.00	JT3D-3B	4				30	97.3	99.5	104.7	2	6,**	NM
BOEING	B-727-100	152.50	135.00	JT8D-7FCD	3	14.00	1.1	5	40	94.4	100.3	104.1	2	3,16	B-1
BOEING	B-727-100	160.50	137.50	JT8D-1FCD	3	14.00	1.1	5	40	96.6	99.2	104.3	2	3	A-1 B-1
BOEING	B-727-100	169.50	137.50	JT8D-1FCD	3	14.00	1.1	5	40	98.5	99.1	104.3	2	3	A-1 B-1
BOEING	B-727-100	169.50	137.50	JT8D-7FCD	3	14.00	1.1	5	40	97.9	100.0	104.3	2	3,16	B-1
BOEING	B-727-100	160.50	137.50	JT8D-9FCD	3	14.50	1.0	5	40	96.1	100.2	105.8	2	3,17	A-1 B-1
BOEING	B-727-100	169.50	137.50	JT8D-9FCD	3	14.50	1.0	5	40	98.3	100.0	105.8	2	3,17	A-1
BOEING	B-727-100 (FED. EX.)	160.00	137.50	JT8D-7/A/B	3			5	30	92.5	96.6	97.8	3	6,28	AA
BOEING	B-727-100 (FED. EX.)	169.50	142.00	JT8D-9/A	3			5	30	94.0	97.3	98.8	3	6,27	AA

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MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-727-100 (FED. EX.)	169.50	142.50	JT8D-7(A)(B)	3			5	30	94.4	96.5	97.9	3	6,28	NM
BOEING	B-727-200	190.50	142.50	JT8D-15QN	3	15.50		5	40	100.0	102.2	103.2	2	2,18	B-1
BOEING	B-727-200	184.20	142.50	JT8D-15QN	3	15.50		5	40	98.8	102.2	103.2	2	2,18	A-1 B-1
BOEING	B-727-200	190.50	142.50	JT8D-17QN	3	16.00		5	40	99.6	103.7	103.2	2	2,19	A-1 B-1
BOEING	B-727-200	208.00	142.50	JT8D-17RQN	3	16.40		5	40	102.4	104.2	103.2	2	2,20	A-1 B-1
BOEING	B-727-200	190.50	142.50	JT8D-17RQN	3	16.40		5	40	98.9	104.7	103.2	2	2,20	A-1 B-1
BOEING	B-727-200	172.50	142.50	JT8D-7FCD	3	14.00	1.1	15	40	100.0	100.4	106.3	2	3,16	B-1
BOEING	B-727-200	177.60	142.50	JT8D-7FCD	3	14.00	1.1	5	40	99.8	99.8	106.3	2	3,16	B-1 NM
BOEING	B-727-200	172.50	142.50	JT8D-7QN	3	14.00	1.1	15	40	100.0	100.4	104.9	2	2,16	A-1 B-1
BOEING	B-727-200	172.50	142.50	JT8D-9QN	3	14.50		15	40	99.0	100.4	103.2	2	2,17	B-1
BOEING	B-727-200	184.80	142.50	JT8D-9QN	3	14.50		15	40	101.5	100.2	103.2	2	2,17	A-1 B-1
BOEING	B-727-200	178.00	150.00	JT8D-9FCD	3	14.50	1.0	5	30	100.7	99.8	105.8	2	3,17	B-1 NM
BOEING	B-727-200	203.10	158.00	JT8D-17QN	3	16.00		5	40	102.0	103.5	104.5	2	2,19	B-1

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MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-727-200 (FED. EX.)	172.60	150.00	JT8D-7B(A)(B)	3			5	30	96.0	97.4	99.0	3	6,28	AA
BOEING	B-727-200 (FED. EX.)	172.60	150.00	JT8D-7B(A)(B)	3			5	30	95.7	96.5	98.9	3	6,27	NM
BOEING	B-727-200 (FED. EX.)	169.50	150.00	JT8D-9/A	3			5	30	94.1	97.8	100.2	3	6,27	AA
BOEING	B-727-200 (FED. EX.)	177.60	154.50	JT8D-7/A/B	3			5	30	96.9	96.0	99.1	3	6,27	AA
BOEING	B-727-200RE(VALSAN)	190.50	148.00	JT8D-15/217C	3				30	91.5	99.3	98.8	3	6,23	NM
BOEING	B-727-200RE(VALSAN)	198.50	159.00	JT8D-17/217C	3				30	92.2	99.5	99.0	3	6,23	NM
BOEING	B-727-200RE(VALSAN)	209.50	159.00	JT8D-17A/217C	3				30	94.5	99.6	99.0	3	6,23	NM
BOEING	B-727-200RE(VALSAN)	203.10	164.00	JT8D-17A/217C	3				30	94.6	97.6	99.3	3	6,23	NM
BOEING	B-737-200 ADV.	128.10	79.10	JT8D-17QN	2	16.00	1.0	1	40	97.0	104.1	102.8	2	2,19	B-1
BOEING	B-737-200 ADV.	128.10	88.00	JT8D-15QN	2	15.50	1.0	1	40	97.7	102.4	103.8	2	2,18	B-1
BOEING	B-737-200 ADV.	115.50	95.30	JT8D-17QN	2	16.00		1	40	93.6	104.4	104.5	2	2,19	B-1
BOEING	B-737-200 ADV.	115.50	101.00	JT8D-15QN	2	15.50	1.0	1	40	94.4	103.1	105.0	2	2,18	B-1
BOEING	B-737-200 ADV.	115.50	103.00	JT8D-9QN	2	14.50		1	40	95.3	100.6	105.1	2	2,17	B-1

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				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-737-200 ADV.	122.50	105.00	JT8D-9QN	2	14.50		1	40	96.9	99.9	105.3	2	2,17	B-1
BOEING	B-737-200 NON-ADV.	100.50	95.00	JT8D-7QN	2	14.00	1.1	1	40	92.1	101.7	102.1	2	2,16	A-1 B-1
BOEING	B-737-200 NON-ADV.	109.00	95.00	JT8D-9QN	2	14.50	1.0	1	40	93.2	100.7	104.8	2	2,17	A-1 B-1
BOEING	B-737-200 NON-ADV.	109.00	98.00	JT8D-7QN	2	14.00	1.1	1	40	94.7	101.3	102.1	2	2,16	B-1
BOEING	B-737-200 NON-ADV.	117.00	101.70	JT8D-9QN	2	14.50	1.0	1	40	95.5	100.3	105.3	2	2,17	A-1 B-1
BOEING	B-737-300	124.50	114.00	CFM56-3-B1	2	20.00	5.0	1	40	84.4	90.4	99.9	3		B-1
BOEING	B-737-300	124.50	114.00	CFM56-3B-2	2	22.00	4.9	1	40	82.8	92.2	99.9	3		B-1
BOEING	B-737-300	139.50	115.80	CFM56-3-B1	2	20.00	5.0	1	40	87.5	89.9	100.0	3		B-1
BOEING	B-737-300	139.50	115.80	CFM56-3B-2	2	22.00	4.9	1	40	85.7	91.9	100.0	3		B-1
BOEING	B-737-400	138.50	121.00	CFM56-3-B1	2	20.00	5.0	5	40	87.2	90.0	100.2	3		B-1
BOEING	B-737-400	142.50	121.00	CFM56-3-B1	2	20.00	5.0	5	40	88.9	89.6	100.2	3		B-1
BOEING	B-737-400	138.50	121.00	CFM56-3B-2	2	22.00	4.9	5	40	85.7	92.1	100.2	3		B-1
BOEING	B-737-400	138.50	121.00	CFM56-3C-1	2	23.50	4.9	5	40	85.0	93.2	100.2	3		B-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-737-400	150.00	124.00	CFM56-3B-2	2	22.00	4.9	5	40	87.7	91.7	100.2	3		B-1
BOEING	B-737-400	150.00	124.00	CFM56-3C-1	2	23.50	4.9	5	40	87.1	93.1	100.2	3		B-1
BOEING	B-737-500	115.50	105.00	CFM56-3-B1	2	20.00	5.0	5	40	82.7	90.8	99.4	3		B-1
BOEING	B-737-500	115.50	105.00	CFM56-3-B1(R)	2	18.50	5.0	5	40	83.6	89.9	99.4	3		B-1
BOEING	B-737-500	139.00	110.00	CFM56-3-B1	2	20.00	5.0	5	40	87.3	90.0	99.8	3		B-1
BOEING	B-737-500	132.80	110.00	CFM56-3-B1(R)	2	18.50	5.0	5	40	87.7	88.9	99.8	3		B-1
BOEING	B-747-100	710.00	400.00	JT9D-3A	4	43.60	5.1	10	30	105.4	102.1	104.6	3	29	B-1
BOEING	B-747-100	750.00	400.00	JT9D-7F	4	48.00	5.1	10	30	104.5	103.5	104.5	3	29	B-1
BOEING	B-747-100	734.00	425.00	JT9D-7	4	46.30	5.1	10	30	105.1	102.7	104.6	3	29	B-1
BOEING	B-747-100	734.00	460.00	JT9D-7A	4	46.95	5.1	10	30	104.3	102.6	105.3	3	29	B-1
BOEING	B-747-100	750.00	520.00	JT9D-7F	4	48.00	5.1	10	25	104.5	103.5	104.5	3	29	B-1
BOEING	B-747-100	710.00	540.00	JT9D-3A	4	43.60	5.1	10	25	105.4	102.1	104.6	3	29	B-1
BOEING	B-747-100	734.00	540.00	JT9D-7	4	46.30	5.1	10	25	105.1	102.7	104.1	3	29	B-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)			STD	NOTES	REF.
				MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.			
BOEING	B-747-100	710.00	564.00	JT9D-3A	4	44.20	5.1	10	30	108.4	99.7	107.2	2	* **	B-1
BOEING	B-747-100	734.00	564.00	JT9D-3A	4	44.20	5.1	10	30	109.4	99.6	107.2	2	* **	B-1
BOEING	B-747-100	710.00	564.00	JT9D-7	4	46.30	5.1	10	30	108.0	100.2	107.4	2	* **	B-1
BOEING	B-747-100	750.00	585.00	JT9D-7A	4	47.00	5.1	10	30	107.8	98.8	106.9	2	* **	B-1
BOEING	B-747-100	750.00	585.00	JT9D-7F	4	48.00	5.1	10	30	107.7	99.0	107.4	2	* **	B-1
BOEING	B-747-100	750.00	585.00	JT9D-7FW	4	50.00	5.1	10	30	107.6	99.4	107.4	2	* **	B-1
BOEING	B-747-100	750.00	585.00	JT9D-7WET	4	47.90	5.1	10	30	107.4	99.3	106.9	2	* **	B-1
BOEING	B-747-100	750.00	585.00	RB.211-524C2	4	51.60	4.5	10	30	104.5	96.9	106.5	2	* **	B-1
BOEING	B-747-100	734.00	630.00	JT9D-7A	4	46.95	5.1	10	25	104.3	102.6	105.5	3	29	B-1
BOEING	B-747-200	770.00	475.00	JT9D-7J	4	50.00	5.1	10	30	103.6	103.0	105.9	3	30	B-1
BOEING	B-747-200	710.00	520.00	JT9D-3A	4	43.60	5.1	10	30	104.4	100.8	106.9	3	30	B-1
BOEING	B-747-200	750.00	520.00	JT9D-7F	4	48.00	5.1	10	30	103.5	102.0	106.9	3	30	B-1
BOEING	B-747-200	734.00	540.00	JT9D-7	4	46.30	5.1	10	30	104.2	101.3	106.7	3	30	B-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-747-200	767.00	564.00	JT9D-3A	4	44.20	5.1	10	30	110.0	98.2	106.5	2	* **	B-1
BOEING	B-747-200	770.00	564.00	JT9D-7	4	46.30	5.1	10	30	108.9	98.8	106.7	2	* **	B-1
BOEING	B-747-200	734.00	564.00	JT9D-7A	4	46.95	5.1	10	30	103.5	101.2	106.9	3	30	B-1
BOEING	B-747-200	775.00	564.00	JT9D-7F	4	48.00	5.1	10	30	108.6	98.9	107.2	2	* **	B-1
BOEING	B-747-200	785.00	564.00	JT9D-7R4G2	4	54.75	4.8	10	30	100.1	98.6	105.4	2	**	B-1
BOEING	B-747-200	775.00	585.00	CF6-50E	4	52.50	4.1	10	30	100.7	101.1	105.9	3		B-1
BOEING	B-747-200	773.00	585.00	JT9D-3AWET	4	45.80	5.1	10	30	109.1	98.7	106.7	2	* **	B-1
BOEING	B-747-200	833.00	585.00	RB.211-524C2	4	51.60	4.3	10	30	106.5	99.7	107.0	3	*	B-1
BOEING	B-747-200	833.00	600.00	JT9D-7Q	4	53.00	4.9	10	30	103.2	103.5	106.6	3		B-1
BOEING	B-747-200	820.00	630.00	CF6-50E	4	52.50	4.1	10	30	102.5	100.9	107.0	3		B-1
BOEING	B-747-200	820.00	630.00	CF6-50E2	4	52.50	4.1	10	30	102.1	101.7	106.5	3		B-1
BOEING	B-747-200	833.00	630.00	CF6-50E2	4	52.50	4.1	10	30	102.6	101.7	106.5	3		B-1
BOEING	B-747-200	710.00	630.00	JT9D-3A	4	43.60	5.1	10	25	104.4	100.8	105.7	3	30	B-1

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AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)				NOTES	REF.
				MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD		
BOEING	B-747-200	734.00	630.00	JT9D-7	4	46.30	5.1	10	25	104.2	101.3	105.2	3	30	B-1
BOEING	B-747-200	820.00	630.00	JT9D-70A	4	53.00	4.9	10	30	101.1	98.5	106.0	3		B-1
BOEING	B-747-200	734.00	630.00	JT9D-7A	4	46.95	5.1	10	25	103.5	101.2	105.0	3	30	B-1
BOEING	B-747-200	785.00	630.00	JT9D-7A	4	47.00	5.1	10	30	109.3	98.7	107.3	2	* **	B-1
BOEING	B-747-200	800.00	630.00	JT9D-7F	4	48.00	5.1	10	30	109.7	98.8	107.8	2	* **	B-1
BOEING	B-747-200	750.00	630.00	JT9D-7F	4	48.00	5.1	10	25	103.5	102.0	106.0	3	30	B-1
BOEING	B-747-200	805.00	630.00	JT9D-7FW	4	50.00	5.1	10	30	109.4	99.2	107.8	2	* **	B-1
BOEING	B-747-200	812.00	630.00	JT9D-7FW/-7J	4	50.00	5.1	10	30	109.7	99.2	107.4	2	* **	B-1
BOEING	B-747-200	800.00	630.00	JT9D-7J	4	50.00	5.1	10	30	109.3	99.2	107.8	2	* **	B-1
BOEING	B-747-200	770.00	630.00	JT9D-7J	4	50.00	5.1	10	25	103.6	103.0	106.0	3	30	B-1
BOEING	B-747-200	833.00	630.00	JT9D-7Q	4	53.00	4.9	10	25	103.2	103.5	104.4	3		B-1
BOEING	B-747-200	833.00	630.00	JT9D-7R4G2	4	54.75	4.8	10	30	102.4	97.9	106.6	2	**	B-1
BOEING	B-747-200	785.00	630.00	JT9D-7WET	4	47.90	5.1	10	30	108.7	99.1	107.3	2	* **	B-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL (EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-747-200	820.00	630.00	RB.211-524B/B2	4	50.10	4.3	10	30	105.5	95.6	107.3	2	**	B-1
BOEING	B-747-200	800.00	630.00	RB.211-524B/B2	4	50.10	4.3	10	30	105.5	96.0	107.3	2	* **	B-1
BOEING	B-747-200	833.00	630.00	RB.211-524D4	4	53.10	4.2	10	30	103.9	99.7	104.9	3		B-1
BOEING	B-747-300	600.00	564.00	CF6-80C2B1	4	56.70	5.0	10	30	89.8	99.1	102.5	3		B-1
BOEING	B-747-300	775.00	564.00	RB.211-524D4	4	53.10	4.2	10	30	101.5	97.1	104.3	2	**	B-1
BOEING	B-747-300	800.00	585.00	JT9D-70A	4	53.00	4.9	10	30	99.2	95.8	105.4	2	**	B-1
BOEING	B-747-300	775.00	585.00	RB.211-524B2	4	50.10	4.3	10	30	103.3	96.1	106.5	2	**	B-1
BOEING	B-747-300	800.00	630.00	CF6-50E2	4	52.50	4.3	10	30	101.6	101.8	106.5	3		B-1
BOEING	B-747-300	820.00	630.00	JT9D-70A	4	53.00	4.9	10	30	100.2	95.5	105.3	2	**	B-1
BOEING	B-747-300	833.00	630.00	JT9D-7R4G2	4	54.80	4.8	10	30	102.4	101.3	106.6	3		B-1
BOEING	B-747-300	785.00	630.00	JT9D-7R4G2	4	54.80	4.8	10	30	100.1	101.5	106.6	3		B-1
BOEING	B-747-300	820.00	630.00	RB.211-524B2	4	50.10	4.3	10	30	105.5	95.6	107.3	2	**	B-1
BOEING	B-747-300	833.00	630.00	RB.211-524D4	4	53.10	4.2	10	30	103.9	96.5	104.9	2	**	B-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-747-300	833.00	666.00	CF6-80C2B1	4	56.70	5.0	10	30	99.0	98.2	105.2	3		B-1
BOEING	B-747-400	600.00	564.00	CF6-80C2B1F	4	57.90	5.0	10	30	89.6	99.1	101.7	3		B-1
BOEING	B-747-400	600.00	564.00	PW4056	4	56.75	4.8	10	30	89.5	100.7	103.1	3		B-1
BOEING	B-747-400	600.00	564.00	RB.211-524G	4	58.00	4.3	10	30	90.3	98.9	102.4	3		B-1
BOEING	B-747-400	600.00	564.00	RB.211-524H	4	60.60	4.1	10	30	89.7	99.7	102.4	3		B-1
BOEING	B-747-400	870.00	652.00	CF6-80C2	4	60.20	5.2		25	99.7	98.3	101.4	3		NM
BOEING	B-747-400	870.00	652.00	CF6-80C2B1F	4	57.90	5.0	10	30	99.7	98.3	103.8	3		B-1
BOEING	B-747-400	870.00	652.00	PW 4056	4	56.75	4.8	10	30	101.5	99.7	104.7	3		B-1
BOEING	B-747-400	870.00	652.00	RB.211-524G	4	58.00	4.3	10	30	100.9	98.1	103.8	3		B-1
BOEING	B-747-400	870.00	652.00	RB.211-524H	4	60.60	4.1	10	30	99.5	98.8	103.8	3		B-1
BOEING	B-747-SP	702.00	410.00	RB.211-524D4	4	51.60	4.2	10	30	99.2	99.8	107.0	3		B-1
BOEING	B-747-SP	660.00	450.00	JT9D-7A	4	47.00	5.1	10	30	99.6	101.3	102.5	3		B-1
BOEING	B-747-SP	702.00	450.00	JT9D-7J	4	50.00	5.1	10	30	100.1	103.3	103.2	3		B-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA						FLAPS	NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP		TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-747-SP	696.00	450.00	RB.211-524B2	4	50.10	4.3	10	30		99.5	99.8	103.2	3		B-1
BOEING	B-747-SP	701.00	465.00	JT9D-7A	4	47.00	5.1	10	30		102.0	101.1	102.9	3		B-1
BOEING	B-747-SP	660.00	475.00	JT9D-7F	4	48.00	5.1	10	30		98.7	102.3	103.8	3		B-1
BOEING	B-747-SP	702.00	475.00	JT9D-7J	4	50.00	5.1	10	30		100.1	103.3	103.8	3		B-1
BOEING	B-747-SP	696.00	475.00	JT9D-7J	4	50.00	5.1	10	30		99.8	103.5	103.8	3		B-1
BOEING	B-747-SR	571.00	564.00	CF6-45A2	4	46.50	4.1	10	30		98.4	93.2	105.4	3		B-1
BOEING	B-747-SR	610.00	564.00	JT9D-7A	4	47.00	5.1	10	30		101.8	101.6	106.9	3	*	B-1
BOEING	B-747-SR	570.00	564.00	JT9D-7A	4	47.00	5.1	10	30		100.2	101.8	106.9	2	*	B-1
BOEING	B-757-200	220.00	198.00	PW 2037	2	38.20	5.8	5	30		86.2	94.0	97.7	3		B-1
BOEING	B-757-200	220.00	198.00	PW 2040	2	41.70	5.7	5	30		84.6	94.5	97.7	3		B-1
BOEING	B-757-200	220.00	198.00	RB.211-535-E4	2	40.10	4.1	5	30		82.2	93.3	95.0	3		B-1
BOEING	B-757-200	220.00	198.00	RB.211-535C	2	37.40	4.5	5	30		85.5	94.0	100.3	3		B-1
BOEING	B-757-200	220.00	198.00	RB.211-535E4-B	2	43.10	4.1	5	30		81.3	94.4	95.0	3		B-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-757-200	255.50	210.00	PW 2037	2	38.20	5.8	5	30	91.4	93.7	98.1	3		B-1
BOEING	B-757-200	255.50	210.00	PW 2040	2	41.70	5.7	5	30	89.7	94.2	98.1	3		B-1
BOEING	B-757-200	255.50	210.00	RB.211-535-E4	2	40.10	4.1	5	30	86.8	93.0	95.2	3		B-1
BOEING	B-757-200	240.00	210.00	RB.211-535C	2	37.40	4.5	5	25	88.1	93.8	99.6	3		B-1
BOEING	B-757-200	255.50	210.00	RB.211-535E4-B	2	43.10	4.1	5	30	85.7	94.1	95.2	3		B-1
BOEING	B-767-200	279.90	257.00	CF6-80A	2	48.00	4.6	1	30	84.9	95.5	101.4	3		B-1
BOEING	B-767-200	279.90	257.00	CF6-80A2	2	50.00	4.6	1	30	84.2	97.2	101.4	3		B-1
BOEING	B-767-200	282.00	257.00	JT9D-7R4D(A)	2	48.00	5.0	1	30	87.7	95.7	101.8	3		B-1
BOEING	B-767-200	282.00	257.00	JT9D-7R4D(B)	2	48.00	5.0	1	30	88.4	95.9	101.9	3		B-1
BOEING	B-767-200	282.00	257.00	JT9D-7R4E	2	50.00	5.0	1	30	87.5	96.8	101.9	3		B-1
BOEING	B-767-200	300.00	270.00	CF6-80C2-B2	2	52.50	5.0	1	30	85.2	94.1	95.7	3		B-1
BOEING	B-767-200	351.00	270.00	CF6-80C2-B4	2	57.90	5.0	1	30	87.7	95.3	95.7	3		B-1
BOEING	B-767-200	335.00	270.00	PW4052	2	52.00	4.8	1	30	89.4	95.0	97.8	3		B-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-767-200	340.00	270.00	PW4056	2	56.75	4.8	1	30	88.5	96.0	97.8	3		B-1
BOEING	B-767-200	351.00	285.00	PW4052	2	52.00	4.8	1	30	90.9	94.9	98.2	3		B-1
BOEING	B-767-200	360.00	300.00	CF6-80A	2	48.00	4.6	1	30	92.8	94.8	101.7	3		B-1
BOEING	B-767-200	360.00	300.00	CF6-80A2	2	50.00	4.6	1	30	91.7	96.5	101.7	3		B-1
BOEING	B-767-200	351.00	300.00	CF6-80C2-B2	2	52.50	5.0	1	30	89.5	93.7	96.4	3		B-1
BOEING	B-767-200	387.00	300.00	CF6-80C2-B4	2	57.90	5.0	1	30	90.6	95.0	96.4	3		B-1
BOEING	B-767-200	351.00	300.00	JT9D-7R4D(A)	2	48.00	5.0	1	30	95.1	95.2	102.7	3		B-1
BOEING	B-767-200	360.00	300.00	JT9D-7R4D(B)	2	48.00	5.0	1	30	96.2	95.3	102.6	3		B-1
BOEING	B-767-200	360.00	300.00	JT9D-7R4E	2	50.00	5.0	1	30	95.4	96.2	102.6	3		B-1
BOEING	B-767-200	400.00	300.00	PW 4056	2	56.75	4.8	1	30	93.7	95.5	98.6	3		B-1
BOEING	B-767-300	300.00	280.00	CF6-80A	2	48.00	4.6	5	30	87.5	95.2	101.7	3		B-1
BOEING	B-767-300	300.00	280.00	CF6-80A2	2	50.00	4.6	5	30	86.7	96.9	101.7	3		B-1
BOEING	B-767-300	380.00	280.00	CF6-80C2-B4	2	57.90	5.0	5	30	90.2	95.3	96.5	3		B-1

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AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
BOEING	B-767-300	380.00	280.00	CF6-80C2-B6	2	61.50	5.0	5	30	89.2	96.4	96.5	3		B-1
BOEING	B-767-300	288.70	280.00	CF6-80C2B2	2	52.50	5.0	5	30	83.1	94.3	96.5	3		B-1
BOEING	B-767-300	380.00	280.00	CF6-80C2B6F	2	61.50	5.0	5	30	89.1	96.1	96.6	3		B-1
BOEING	B-767-300	300.00	280.00	JT9D-7R4D(B)	2	48.00	5.0	5	30	91.0	95.7	102.3	3		B-1
BOEING	B-767-300	300.00	280.00	JT9D-7R4E	2	50.00	5.0	5	30	90.0	96.5	102.3	3		B-1
BOEING	B-767-300	380.00	280.00	PW 4056	2	56.75	4.8	5	30	92.0	96.0	98.8	3		B-1
BOEING	B-767-300	380.00	280.00	PW4060	2	60.00	4.8	5	30	91.2	97.2	98.8	3		B-1
BOEING	B-767-300	340.00	280.00	RB.211-524G	2	58.00	4.3	5	30	89.4	94.3	98.5	3		B-1
BOEING	B-767-300	340.00	280.00	RB.211-524H	2	60.60	4.1	5	30	88.7	95.2	98.5	3		B-1
BOEING	B-767-300	351.00	320.00	CF6-80A	2	48.00	4.6	5	30	92.0	94.9	101.7	3		B-1
BOEING	B-767-300	351.00	320.00	CF6-80A2	2	50.00	4.6	5	30	91.2	96.5	101.7	3		B-1
BOEING	B-767-300	407.00	320.00	CF6-80C2-B4	2	57.90	5.0	5	30	92.1	95.2	98.4	3		B-1
BOEING	B-767-300	407.00	320.00	CF6-80C2-B6	2	61.50	5.0	5	30	91.1	96.3	98.4	3		B-1

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AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	ENGINE DATA MODEL	NO.	THRUST 1000#	BPR	FLAPS TO	FLAPS AP	NOISE LEVEL(EPNL) TAKE-OFF	NOISE LEVEL(EPNL) SIDE-LINE	NOISE LEVEL(EPNL) APPR.	STD	NOTES	REF.
BOEING	B-767-300	407.00	320.00	CF6-80C2B6F	2	61.50	5.0	5	30	90.9	96.0	98.5	3		B-1
BOEING	B-767-300	351.00	320.00	JT9D-7R4D(B)	2	48.00	5.0	5	30	95.7	95.4	103.0	3		B-1
BOEING	B-767-300	351.00	320.00	JT9D-7R4E	2	50.00	5.0	5	30	95.0	96.2	103.0	3		B-1
BOEING	B-767-300	407.00	320.00	PW 4056	2	56.75	4.8	5	30	94.2	95.7	100.2	3		NM
BOEING	B-767-300	407.00	320.00	PW 4060	2	60.00	4.8	5	30	93.2	97.0	100.2	3		NM
BOEING	B-767-300	407.00	320.00	RB.211-524G	2	58.00	4.3	5	30	93.8	94.0	99.8	3		B-1
BOEING	B-767-300	407.00	320.00	RB.211-524H	2	60.60	4.1	5	30	92.9	94.8	99.8	3		B-1
CANADAIR	CL-600	36.00	33.00	ALF-502	2	7.50	5.0	20	45	81.6	89.3	91.2	3	*	CR
CANADAIR	CL-601 CHALLENGER	42.10	36.00	CF34-1A	2	8.65	6.3	20	45	79.4	84.9	89.4	3	*	CR
CESSNA	500 CITATION	10.30	9.90	JT15D-1	2	2.20	3.3	15	40	76.4	86.1	87.7	3	*	CE
CESSNA	500/501 CITATION I	11.80	11.30	JT15D-1/-1A	2	2.20	3.3	15	40	78.0	86.2	87.9	3	*	CE
CESSNA	550 CITATION II	13.30	12.70	JT15D-4	2	2.50	3.3	15	40	80.1	86.7	90.5	3	*	CE
CESSNA	550 CITATION II	14.10	13.50	JT15D-4	2	2.50	3.3	0	40	71.6	86.4	90.5	3		CE

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AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
CESSNA	551 CITATION II	12.50	12.00	JT15D-4	2	2.50	3.3	15	40	80.1	86.7	90.5	3	*	CE
CESSNA	552	15.50	14.30	JT15D-5	2	2.90	2.1	20	35	89.3	94.7	88.5	3	*	CE
CESSNA	560 CITATION V	16.30	15.20	JT15D-5A	2	2.90	2.1	7	35	84.6	94.6	88.9	3		CE
CESSNA	560 CITATION V	15.90	15.20	JT15D-5A	2	2.90	2.1	7	35	83.7	94.7	88.9	3		CE
CESSNA	650 CITATION III	21.00	17.00	TFE731-3B-100S	2	3.65	3.1	20	37	84.9	92.5	92.4	3		CE
CESSNA	650 CITATION III	22.00	20.00	TFE731-3B-100S	2	3.65	3.1	7	37	80.1	92.4	93.8	3	22	CE
CESSNA	S550 CITATION S/II	14.70	14.00	JT15D-4B	2	2.50	3.3	20	35	87.9	91.6	85.1	3	*	CE
CESSNA	S550 CITATION S/II	15.10	14.40	JT15D-4B	2	2.50	3.3	7	35	80.0	91.3	86.2	3		CE
DASSAULT BREGUET	FALCON 10	18.30	17.20	TFE731-2	2	3.20	2.8	15	52	82.9	86.4	95.3	3		CR
DASSAULT BREGUET	FALCON 10	19.30	17.64	TFE731-2-1C	2			15	52	81.6	86.2	95.4	3		EU
DASSAULT BREGUET	FALCON 20- /D/E	28.70	27.30	CF700-20-2	2	4.50		15	40	90.0	92.3	103.0	2		
DASSAULT BREGUET	FALCON 20-C5/D5/E5	29.10	27.76	TFE-731-5AR-1C	2			15	40	80.3	90.7	90.7	3	34	NM
DASSAULT BREGUET	FALCON 20-C5/D5/E5	29.10	27.76	TFE731-5AR-2C	2	4.50	3.5	15	40	82.9	88.4	90.7	3		EU

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL (EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
DASSAULT BREGUET	FALCON 20-F	28.66	27.32	CF700-20-2	2			10	40	90.0	92.3	103.0	2		EU
DASSAULT BREGUET	FALCON 20-F5	29.10	27.76	TFE-731-5AR-1C	2			10	40	79.3	90.9	90.0	3	34	NM
DASSAULT BREGUET	FALCON 20-F5	29.10	27.76	TFE731-5AR-2C	2	4.50	3.5	10	40	81.8	88.6	90.0	3		EU
DASSAULT BREGUET	FALCON 20-G	32.00	27.56	ATF3-6-2C	2			10	40	87.5	88.3	95.9	3		EU
DASSAULT BREGUET	FALCON 200 MYSTERE	32.00	27.60	ATF3-6-4C	2	5.06	2.9	5	40	83.9	89.0	93.9	3		EU
DASSAULT BREGUET	FALCON 200 MYSTERE	32.00	28.88	ATF3-6A-4C	2			5	40	83.9	89.0	94.2	3		EU
DASSAULT BREGUET	FALCON 50	38.80	35.70	TFE731-2	3	3.70	2.8	20	48	84.3	91.6	97.4	3		CR
DASSAULT BREGUET	FALCON 50	40.78	35.71	TFE731-3-1C	3			20	48	84.8	91.5	97.1	3		EU
DASSAULT BREGUET	FALCON 900	45.50	42.00	TFE731-5AR-1C	3	4.50	3.5	20	40	81.9	89.5	91.7	3		EU
DASSAULT BREGUET	FALCON 900B	46.50	42.00	TFE731-5BR-1C	3	4.75		20	40	80.7	91.2	91.7	3		NM
FOKKER	F100	98.00	88.00	TAY MK650-15	2	14.73	3.0	0	42	81.8	91.7	93.0	3		FK
FOKKER	F28 MK1000	65.00	59.00	SPEY MK555-15	2	9.39	1.0	6	42	90.0	99.5	101.2	2		NM
FOKKER	F28 MK2000	65.00		SPEY MK555-15	2	9.90		6	42	90.0	99.5	101.8	2	*	A-1

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AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
FOKKER	F28 MK3000	71.00	64.00	SPEY MK555-15H	2	9.77	1.0	6	42	91.0	99.3	99.4	2		NM
FOKKER	F28 MK4000	73.00	65.80	SPEY MK555-15H	2	9.77	1.0	6	42	91.9	99.2	99.4	2		NM
FOKKER	F28 MK4000	73.00	69.50	SPEY MK555-15P	2	9.85	1.0	6	42	92.9	101.7	101.4	2		NM
GULFSTREAM	G-II GULFSTREAM	62.00	58.50	SPEY 511-8	2	11.40		20	39	90.0	102.7	98.2	2	12	A-1 SO
GULFSTREAM	G-II GULFSTREAM	65.50	58.50	SPEY 511-8	2	11.40		10	39	92.5	103.0	98.4	2	12	SO
GULFSTREAM	G-IIB/G-III	69.70	58.50	SPEY 511-8	2	11.40		10	39	91.1	103.4	97.3	2	12	SO
GULFSTREAM	G-IV	73.20	58.50	TAY 611-8	2	13.85		10	39	76.8	87.3	91.0	3		GU
GULFSTREAM	G-IV GULFSTREAM	71.70	58.50	TAY 610-8	2	12.40		20	39	79.0	86.5	91.0	3		CR
ISRAEL AIRCRAFT	1124 WESTWIND	22.90	19.00	TFE731-3-1G	2	3.70	2.8	20	40	81.2	88.4	93.0	3		
ISRAEL AIRCRAFT	1124A WESTWIND 2	23.50	19.00	TFE731-3-1G	2	3.70	2.8	20	40	85.4	88.7	92.8	3	*	
ISRAEL AIRCRAFT	1125 ASTRA	23.50	20.70	TFE731-3A-200G	2			12	40	82.3	89.8	89.8	3		IA
ISRAEL AIRCRAFT	1125 ASTRA	24.70	20.70	TFE731-3A-200G	2			12	40	84.1	89.7	89.8	3		IA
LEARJET	23 Raisbeck MK II	12.50	11.90	CJ610-1/-4	2	1.34		10		88.0	103.8	98.0	2		CR

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AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
LEARJET	24 Raisbeck MK II	13.00	11.90	CJ610-1/-4	2	1.39		10		89.0	103.8	98.0	2		CR
LEARJET	24/24D	13.50	11.90	CJ610-6	2	2.95		20	40	91.8	99.3	100.7	2	13	A-1,GA-1
LEARJET	24B/D Raisbeck MK II	13.50	11.88	CJ610	2			10	40	87.6	104.0	98.0	2		CR
LEARJET	24D	13.50	11.90	CJ610-6	2	2.95		20	40	91.8	99.3	101.7	2	14	GA-1
LEARJET	24D	13.50	11.90	CJ610-6	2	2.95		20	40	91.9	104.0	96.7	2		CE,GA-1
LEARJET	24E	12.90	11.90	CJ610-6	2	2.95		8	40	84.3	103.9	95.3	2		A-1,GA-1
LEARJET	24F	13.50	11.90	CJ610-6	2	2.95		8	40	85.8	103.7	95.3	2		A-1,GA-1
LEARJET	24F-A	12.50	11.90	CJ610-6	2	2.95		8	40	83.6	103.9	95.3	2		GA-1
LEARJET	25	16.00	13.30	CJ610-6	2			10	40	93.5	103.9	99.0	2		
LEARJET	25	15.00	13.30	CJ610-6	2	2.95				94.0	99.3	100.8	2		A-1
LEARJET	25/25B/C Raisb MK II	15.00	13.30	CJ610	2			10	40	91.0	103.8	99.0	2		CR
LEARJET	25B/C/D/F XR Dee Hwd	16.30	13.30	CJ610-6/8A		2.95		10	40	93.5	103.9	99.0	2		SW
LEARJET	25C	15.00	13.30	CJ610-6	2	2.95		20	40	94.0	99.3	100.8	2	13	A-1,GA-1

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	ENGINE DATA				FLAPS		NOISE LEVEL (EPNL)			STD	NOTES	REF.
				MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.			
LEARJET	25D	15.00	13.30	CJ610-6	2	2.95		20	40	94.0	99.3	102.7	2	14	A-1,GA-1
LEARJET	25D/25F	15.00	13.30	CJ610-6/8A	2	2.95		8	40	90.9	103.7	95.2	2		GA-1
LEARJET	28/29	15.00	14.30	CJ610-8A	2	2.95		8	40	87.0	99.7	101.7	2		GA-1
LEARJET	31	16.50	15.30	TFE731-2-3B	2	3.50		8	40	81.0	87.0	92.6	3	*	ACE
LEARJET	31	15.50	15.30	TFE731-2-3B	2	3.50		8	40	79.6	87.2	92.6	3		CE
LEARJET	35/36	17.00	14.30	TFE731-2-2B	2	3.50	2.0	20	40	84.0	86.9	92.2	3	*	CE,GA-1
LEARJET	35/36	18.00	14.30	TFE731-2-2B	2	3.50		20	40	84.5	87.9	92.2	3	*	GA-1
LEARJET	35A	18.00	14.30	TFE731-2-2B	2	3.50		8	40	83.6	87.4	91.3	3	*	GA-1
LEARJET	35A/36A	18.00	14.30	TFE731-2-2B	2	3.50		8	40	78.7	87.4	91.3	3		CE
LEARJET	35A/36A	18.30	15.30	TFE731-2-2B	2	3.50		8	40	79.2	86.7	91.4	3		CE
LEARJET	36A	18.30	15.30	TFE731-2-2B	2	3.50		20	40	83.9	87.8	91.4	3	*	GA-1
LEARJET	55	19.50	17.00	TFE731-3A-2B	2	3.70		8	40	84.2	90.9	90.6	3	*	CE,GA-1
LEARJET	55	21.00	17.00	TFE731-3A-2B	2	3.70		8	40	85.5	90.7	90.6	3	*	CE,GA-1

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL (EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
LEARJET	55B	21.50	18.00	TFE731-3A-2B	2	3.70		20	40	86.3	90.7	91.0	3		GA-1
LEARJET	55C	21.00	18.00	TFE731-3AR-2B	2	3.90	2.9	20	40	86.2	91.0	92.4	3	*	CE
LEARJET	55C	21.50	18.00	TFE731-3AR-2B	2	3.90	2.9	20	40	86.7	90.9	92.4	3	*	CE
LEARJET	M55C	21.00	17.00	TFE731-3AR-3B	2			20	40	86.7	91.5	92.4	3	*	CE
LEARJET	M55C	21.50	17.00	TFE731-3AR-3B	2			20	40	87.0	91.4	92.4	3	*	CE
LOCKHEED	1329-23 (AIRESEARCH)	43.80		TFE731-3-1E	4	3.70	2.8	20	59	92.7	88.1	96.9	2	* **	A-1,SO
LOCKHEED	1329-25 (AIRESEARCH)	44.50	36.00	TFE731-3	4	3.70	2.8			93.1	88.1	96.9	2	* **	SO
LOCKHEED	L-1011	430.00	358.00	RB.211-22B	3	41.00		14	42	95.9	95.1	102.8	3	5 *	A-1
LOCKHEED	L-1011-1	430.00	358.00	RB.211-22B	3	42.00		10	42	96.0	95.0	102.8	3	5 *	L-1
LOCKHEED	L-1011-100	466.00	368.00	RB.211-22B	3	42.00		10	42	98.5	94.9	102.8	3	5 *	L-1
LOCKHEED	L-1011-200	466.00	368.00	RB.211-524B	3	50.00		10	33	98.1	97.9	101.4	3	5 *	L-1
LOCKHEED	L-1011-500	496.00	368.00	RB.211-524B	3	50.00		14	33	98.4	97.8	101.5	3	5 *	L-1
LOCKHEED	L-1011-500	496.00	368.00	RB.211-524B3	3	50.00		14	33	97.4	96.7	100.3	3	5 *	L-1

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
LOCKHEED	L-1011-500	504.00	368.00	RB.211-524B3	3	50.00		22	33	98.0	96.9	100.2	3	5 *	L-1
LOCKHEED	L-1011-500	510.00	368.00	RB.211-524B4	3	50.00		10	33	99.3	96.4	102.0	3	*	L-1
LOCKHEED	L1011-385-1-14/15	474.00	368.00	RB.211-22B	3	42.00		4	42	98.6	94.1	102.8	3		
LOCKHEED	L1011-385-1-14/15	466.00	368.00	RB.211-524B4	3	50.00		10	42	97.9	95.9	103.3	3	*	NM
MCDONNELL DOUGLAS	DC-08-51 (QNC QN)	276.00	199.50	JT3D-3B	4			15	25	99.9	103.1	104.5	2	6,**	SO
MCDONNELL DOUGLAS	DC-08-51 (QNC QN)	276.00	199.50	JT3D-3B	4			15	25	99.3	103.1	104.2	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08-51 (QNC QN)	286.00	207.00	JT3D-3B	4			15	25	101.3	103.0	104.6	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08-51 QNC PLS QN	276.00	199.50	JT3D-1	4				35	101.9	99.9	107.1	2	6,**	NM
MCDONNELL DOUGLAS	*DC-08-51 QNC PLS QN*	*276.00*	*199.50*	JT3D-3B	4				35	99.1	101.5	*107.0*	2	*6,26,**	*NM*
MCDONNELL DOUGLAS	DC-08-51 QNC PLS QN	276.00	199.50	JT3D-3B	4				35	99.5	101.5	107.1	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-51 QNC PLS QN	286.00	207.00	JT3D-3B	4				35	100.7	101.4	107.1	2	6,26,**	NM
MCDONNELL DOUGLAS	DC-08-51 W/BAC QN	276.00	199.50	JT3D-1	4				50	99.5	101.2	107.8	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-51 W/BAC QN	286.00	199.50	JT3D-3B	4				50	98.4	101.5	107.8	2	6,**	NM

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	ENGINE DATA				FLAPS		NOISE LEVEL (EPNL)					REF.
				MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	
MCDONNELL DOUGLAS	DC-08-51 W/BAC QN	276.00	199.50	JT3D-3B	4			15	50	97.0	101.5	107.8	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-52 (QNC QN)	300.00	202.00	JT3D-3B	4			15	25	103.7	102.9	104.3	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08-52 (QNC QN)	300.00	202.00	JT3D-3B	4			15	25	104.2	102.9	104.7	2	6,**	SO
MCDONNELL DOUGLAS	DC-08-52 QNC PLS QN	300.00	202.00	JT3D-3B	4				35	102.9	101.3	107.0	2	6,26,**	NM
MCDONNELL DOUGLAS	DC-08-52 QNC PLS QN	300.00	202.00	JT3D-3B	4				35	103.2	101.3	107.2	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-52 W/BAC QN	305.00	201.90	JT3D-3B	4			15	50	100.9	101.4	108.0	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-53 (QNC QN)	306.80	207.00	JT3D	4			15	25	105.2	102.8	105.0	2	6,**	SO
MCDONNELL DOUGLAS	DC-08-53 (QNC QN)	315.00	207.00	JT3D-3B	4				35	104.9	101.2	107.1	2	6,**	SO
MCDONNELL DOUGLAS	DC-08-53 (QNC QN)	309.80	207.00	JT3D-3B	4			15	25	105.2	102.8	104.6	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08-53 QNC PLS QN	318.00	207.00	JTD3D-3B	4				35	105.3	101.1	107.1	2	6,26,**	NM
MCDONNELL DOUGLAS	DC-08-53 W/BAC QN	315.00	203.30	JT3D-3B	4			15	50	102.3	101.3	108.1	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-54 W/BAC QN	315.00	217.00	JT3D-3B	4			15	35	102.3	101.3	105.1	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-54 W/BAC QN	315.00	240.00	JT3D-3B	4				50	102.3	101.3	107.9	2	6,**	NM

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
MCDONNELL DOUGLAS	DC-08-55 (QNC QN)	309.80	217.00	JT3D-3B	4			15	25	105.2	102.8	105.2	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08-55 QNC PLS QN	320.30	217.00	JT3D-3B	4				35	105.5	101.1	107.2	2	6,26,**	NM
MCDONNELL DOUGLAS	DC-08-55 W/BAC QN	325.00	204.70	JT3D-3B	4			15	50	103.7	101.2	108.2	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-55 W/BAC QN	325.00	240.00	JT3D-3B	4			15	35	103.7	101.2	107.9	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-61 (QNC QN)	270.00	240.00	JT3D-3B	4			15	25	98.1	103.1	106.5	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08-61 (QNC QN)	309.80	240.00	JT3D-3B	4			15	25	105.2	102.8	106.5	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08-61 QNC PLS QN	320.30	240.00	JT3D-3B	4				35	105.5	101.1	107.2	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-61 QNC PLS QN	270.00	240.00	JT3D-3B	4				35	98.6	101.5	107.2	2	6,26,**	NM
MCDONNELL DOUGLAS	DC-08-61 W/BAC QN	325.00	240.00	JT3D-3B	4			15	35	103.7	101.2	107.9	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-61F (QNC QN)	309.80	248.00	JT3D-3B	4			15	25	105.2	102.8	106.9	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08-62 (BAC R-1)	350.00	240.00	JT3D-3B	4			12	35	100.5	101.2	100.2	3	6	
MCDONNELL DOUGLAS	DC-08-62 (BAC/MGM)	348.00	240.00	JT3D-3B	4			12	35	100.5	101.2	100.7	3	6	NW
MCDONNELL DOUGLAS	DC-08-62 W/ADC QN	335.00	240.00	JT3D-3B	4			12	50	102.5	98.2	108.3	2	6,**	NM

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	ENGINE DATA MODEL	NO.	THRUST 1000#	BPR	FLAPS TO	FLAPS AP	NOISE LEVEL (EPNL) TAKE-OFF	NOISE LEVEL (EPNL) SIDE-LINE	NOISE LEVEL (EPNL) APPR.	STD	NOTES	REF.
MCDONNELL DOUGLAS	DC-08-62 W/ADC QN	335.00	240.00	JT3D-7	4			12	50	101.6	98.8	108.3	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-62 W/ADC QN	350.00	250.00	JT3D-3B	4			12	50	104.3	98.1	108.3	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-62 W/ADC QN	350.00	250.00	JT3D-7	4			12	50	103.4	98.5	108.3	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-62 W/TNC QN	335.00	240.00	JT3D-3B	4			12	50	102.0	99.3	107.8	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-62 W/TNC QN	350.00	250.00	JT3D-3B	4			12	50	103.9	98.9	107.9	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-62 W/TNC QN	335.00	250.00	JT3D-7	4			12	35	101.6	101.7	106.4	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-62 W/TNC QN	355.00	275.00	JT3D-7	4			12	35	102.7	100.7	107.6	2	6,**	SW
MCDONNELL DOUGLAS	DC-08-63 (BAC R-1)	355.00	275.00	JT3D-7	4			12	35	98.9	101.4	103.0	3	6	CR
MCDONNELL DOUGLAS	DC-08-63 (BAC)	353.00	275.00	JT3D-7	4			12	50	98.9	99.0	107.6	2	6,**	NW
MCDONNELL DOUGLAS	DC-08-63 (BAC/MGM)	353.00	240.00	JT3D-7	4			12	35	98.9	101.4	102.0	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-63 (BAC/MGM)	353.00	275.00	JT3D-7	4			12	35	98.9	101.4	103.0	3	6	NM
MCDONNELL DOUGLAS	DC-08-63 W/ADC QN	355.00	245.00	JT3D-3B	4			12	50	104.8	98.1	108.3	2	6,**	SW
MCDONNELL DOUGLAS	DC-08-63 W/ADC QN	355.00	245.00	JT3D-7	4			12	50	104.1	98.4	108.3	2	6,**	NM

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
MCDONNELL DOUGLAS	DC-08-63 W/ADC QN	355.00	275.00	JT3D-3B	4			12	50	104.8	98.1	108.5	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-63 W/ADC QN	355.00	275.00	JT3D-7	4			12	50	104.1	98.4	108.4	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-63 W/TNC QN	335.00	240.00	JT3D-3B	4			12	50	101.7	99.1	107.8	2	6,**	SW
MCDONNELL DOUGLAS	DC-08-63 W/TNC QN	350.00	250.00	JT3D-3B	4			12	50	103.9	98.9	107.9	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-63 W/TNC QN	335.00	250.00	JT3D-7	4			12	35	100.7	101.0	106.5	2	6,**	SW
MCDONNELL DOUGLAS	DC-08-63 W/TNC QN	355.00	275.00	JT3D-7	4			12	35	103.8	101.3	107.3	2	6,**	NM
MCDONNELL DOUGLAS	DC-08-71	325.00	240.00	CFM-56-2C5	4	22.00				94.3	92.9	98.3	3	*	NM
MCDONNELL DOUGLAS	DC-08-71	325.00	240.00	CFM56-2-C1	4	22.00	6.0	15	50	94.3	92.9	98.3	3	*	D-1
MCDONNELL DOUGLAS	DC-08-71	328.00	258.00	CFM56-2-C1	4	22.00	6.0	15	50	94.5	92.9	98.6	3	*	D-1
MCDONNELL DOUGLAS	DC-08-72	335.00	240.00	CFM56-2-C1	4	22.00	6.0	12	50	94.4	92.9	98.1	3	*	D-1
MCDONNELL DOUGLAS	DC-08-72	350.00	250.00	CFM56-2-C1	4	22.00	6.0	12	50	95.2	92.8	98.2	3	*	D-1
MCDONNELL DOUGLAS	DC-08-73	355.00	258.00	CFM56-2-C1	4	22.00	6.0	12	50	95.7	92.8	98.3	3	*	D-1
MCDONNELL DOUGLAS	DC-08-73	355.00	275.00	CFM56-2-C1	4	22.00	6.0	12	50	95.7	92.8	98.5	3	*	D-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)				NOTES	REF.
				MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD		
MCDONNELL DOUGLAS	DC-08F-54 (QNC QN)	306.80	207.00	JT3D-3B	4			15	25	105.2	102.8	105.0	2	6,**	SO
MCDONNELL DOUGLAS	DC-08F-54 (QNC QN)	309.80	207.00	JT3D-3B	4			15	25	105.2	102.8	104.6	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08F-54 (QNC QN)	306.80	217.00	JT3D-3B	4			15	25	105.2	102.8	105.6	2	6,**	SO
MCDONNELL DOUGLAS	DC-08F-54 (QNC QN)	309.80	240.00	JT3D-3B	4			15	25	105.2	102.8	106.5	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08F-54 QNC PLS QN	315.00	217.00	JT3D-3B	4				35	105.2	101.1	107.3	2	6,**	NM
MCDONNELL DOUGLAS	DC-08F-54 QNC PLS QN	315.00	217.00	JT3D-3B	4				35	104.9	101.2	107.2	2	6,26,**	NM
MCDONNELL DOUGLAS	DC-08F-54 QNC PLS QN	315.00	240.00	JT3D-3B	4				35	104.9	101.2	107.4	2	6,26,**	NM
MCDONNELL DOUGLAS	DC-08F-55 (QNC QN)	309.80	240.00	JT3D-3B	4			15	25	105.2	102.8	106.5	2	6,26,**	SO
MCDONNELL DOUGLAS	DC-08F-55 QNC PLS QN	317.80	240.00	JT3D-3B	4				35	105.2	101.1	107.4	2	6,26,**	NM
MCDONNELL DOUGLAS	DC-09-10	90.70	81.70	JT8D-7	2	14.00	1.1	10	50	91.4	100.8	103.1	2	24	D-5
MCDONNELL DOUGLAS	DC-09-10	90.70	81.70	JT8D-7/-7A	2	14.00	1.1	10	50	91.4	101.4	100.4	2	1	D-1
MCDONNELL DOUGLAS	DC-09-10 (ABS)	90.70	81.70	JT8D-7/7A/7B	2			10	40	87.2	96.4	95.0	3	6	CE
MCDONNELL DOUGLAS	DC-09-30	98.00	93.40	JT8D-15	2	15.50	1.0	0	50	91.2	101.1	98.4	2	1	D-1

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AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
MCDONNELL DOUGLAS	DC-09-30	103.00	95.30	JT8D-7	2	14.00		0	50	95.3	99.3	103.5	2	16,24	D-5
MCDONNELL DOUGLAS	DC-09-30	103.00	98.10	JT8D-17	2	16.00	1.0	0	50	92.7	103.5	101.1	2	1	D-1
MCDONNELL DOUGLAS	DC-09-30	108.00	98.10	JT8D-17	2	16.00	1.0	0	50	94.3	103.7	101.1	2	1	D-1
MCDONNELL DOUGLAS	DC-09-30	108.00	99.00	JT8D-7A	2	14.00	1.1	0	50	95.1	97.3	97.3	2	1	D-1
MCDONNELL DOUGLAS	DC-09-30	103.00	99.00	JT8D-9	2	14.50	1.0	0	50	94.3	99.0	99.0	2	1	D-1
MCDONNELL DOUGLAS	DC-09-30	108.00	99.00	JT8D-9	2	14.50	1.0	0	50	96.4	100.3	103.7	2	24	D-5
MCDONNELL DOUGLAS	DC-09-30	110.00	101.00	JT8D-7	2	14.00		0	50	97.5	99.0	104.3	2	16,24	D-5
MCDONNELL DOUGLAS	DC-09-30	110.00	101.00	JT8D-7	2	14.00	1.1	0	50	95.9	97.1	97.3	2	1	D-1
MCDONNELL DOUGLAS	DC-09-30	110.00	101.00	JT8D-9	2	14.50	1.0	0	50	97.0	100.3	104.3	2	24	D-5
MCDONNELL DOUGLAS	DC-09-30	114.00	102.00	JT8D-15	2	15.50	1.0	0	50	95.8	100.5	99.0	2	1	D-1
MCDONNELL DOUGLAS	DC-09-30	114.00	102.00	JT8D-9	2	14.50	1.0	0	50	97.1	99.0	99.4	2	1	D-1
MCDONNELL DOUGLAS	DC-09-30 (ABS)	103.00	99.00	JT8D-9	2			0	40	89.7	96.8	96.0	3	6	NM
MCDONNELL DOUGLAS	DC-09-30 (ABS)	105.00	101.00	JT8D-9	2			0	40	90.3	96.7	96.1	3	6	NM

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)			STD	NOTES	REF.
				MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.			
MCDONNELL DOUGLAS	DC-09-34	110.00	101.00	JT8D-9	2	14.50	1.0	0	50	96.1	98.8	99.1	2	1	D-1
MCDONNELL DOUGLAS	DC-09-34	121.00	110.00	JT8D-15	2	15.50	1.0	0	50	97.8	102.1	101.4	2	1	D-1
MCDONNELL DOUGLAS	DC-09-34	121.00	110.00	JT8D-17	2	16.00	1.0	0	50	98.0	103.0	101.9	2	1	D-1
MCDONNELL DOUGLAS	DC-09-40	114.00	102.00	JT8D-11	2	15.00	1.0	0	50	96.8	99.5	99.4	2	1	D-1
MCDONNELL DOUGLAS	DC-09-40	114.00	102.00	JT8D-15	2	15.50	1.0	0	50	95.8	100.5	99.4	2	1	D-1
MCDONNELL DOUGLAS	DC-09-50	115.00	104.00	JT8D-17	2	16.00	1.0	0	50	96.4	103.4	101.6	2	1	D-1
MCDONNELL DOUGLAS	DC-09-50	115.00	110.00	JT8D-15	2	15.50	1.0	0	50	96.1	102.4	101.9	2	1	D-1
MCDONNELL DOUGLAS	DC-09-50	121.00	110.00	JT8D-15	2	15.50	1.0	0	50	97.8	102.2	101.9	2	1	D-1
MCDONNELL DOUGLAS	DC-09-50	121.00	110.00	JT8D-17	2	16.00	1.0	0	50	98.1	103.2	101.9	2	1	D-1
MCDONNELL DOUGLAS	DC-10-10	410.00	347.80	CF6-6D	3	39.30	5.7	14	50	97.4	97.0	104.9	3	*	D-1
MCDONNELL DOUGLAS	DC-10-10	410.00	347.80	CF6-6K	3	39.30	5.9	14	50	96.8	96.3	103.3	3	*	D-2
MCDONNELL DOUGLAS	DC-10-10	430.00	347.80	CF6-6K2	3	40.90	5.9	11	50	97.4	96.5	103.3	3	*	D-2
MCDONNELL DOUGLAS	DC-10-10	455.00	363.50	CF6-6D	3	39.30	5.7	0	50	101.8	96.0	105.5	3	*	D-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
MCDONNELL DOUGLAS	DC-10-10	430.00	363.50	CF6-6D1	3	40.30	5.8	11	50	98.1	97.0	105.5	3	*	D-1
MCDONNELL DOUGLAS	DC-10-10	455.00	363.50	CF6-6D1	3	40.30	5.8	4	50	100.2	96.6	105.5	3	*	D-1
MCDONNELL DOUGLAS	DC-10-10	455.00	363.50	CF6-6D1A	3	40.90	5.8	4	50	100.2	96.6	105.5	3	*	D-1
MCDONNELL DOUGLAS	DC-10-10	430.00	363.50	CF6-6D1A	3	40.90	5.8	11	50	98.1	97.0	105.5	3	*	D-1
MCDONNELL DOUGLAS	DC-10-10	455.00	363.50	CF6-6K	3	39.30	5.9	0	50	100.9	95.5	103.8	3	*	D-2
MCDONNELL DOUGLAS	DC-10-10	455.00	363.50	CF6-6K2	3	40.90	5.9	4	50	99.3	96.1	103.8	3	*	D-2
MCDONNELL DOUGLAS	DC-10-15	455.00	363.50	CF6-50C2-F	3	45.60	4.6	5	50	93.8	95.6	103.1	3		D-5
MCDONNELL DOUGLAS	DC-10-30	555.00	403.00	CF6-50A	3			5	50	*101.8*	*101.3*	*106.3*	2	*	NM
MCDONNELL DOUGLAS	DC-10-30	555.00	403.00	CF6-50C/H	3	50.40	4.3	10	50	101.6	97.5	106.3	3		D-6
MCDONNELL DOUGLAS	DC-10-30	572.00	403.00	CF6-50C1	3	51.80	4.2	10	50	102.1	98.3	106.3	3		D-6
MCDONNELL DOUGLAS	DC-10-30	555.00	403.00	CF6-50C2	3	51.80	4.3	5	50	96.8	97.8	105.0	3		D-3
MCDONNELL DOUGLAS	DC-10-30	555.00	403.00	CF6-50C2-B	3	53.20	4.3	5	50	96.1	98.4	105.0	3		D-3
MCDONNELL DOUGLAS	DC-10-30	555.00	403.00	CF6-50C2-R	3	50.40	4.4	10	50	97.5	97.2	105.0	3		D-5

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
MCDONNELL DOUGLAS	DC-10-30	565.00	411.00	CF6-50A	3			5	50	102.7	101.4	106.6	2	*	NM
MCDONNELL DOUGLAS	DC-10-30	572.00	411.00	CF6-50C/H	3	50.40	4.3	10	50	102.3	97.5	106.6	3		D-6
MCDONNELL DOUGLAS	DC-10-30	590.00	411.00	CF6-50C1	3	51.80	4.2	10	50	103.0	98.0	106.6	3		D-6
MCDONNELL DOUGLAS	DC-10-30	590.00	411.00	CF6-50C2	3	51.80	4.3	15	50	99.0	97.9	105.3	3		D-3
MCDONNELL DOUGLAS	DC-10-30	590.00	411.00	CF6-50C2-B	3	53.20	4.3	15	50	98.7	98.5	105.3	3		D-3
MCDONNELL DOUGLAS	DC-10-30	572.00	421.00	CF6-50C2-R	3	50.40	4.4	10	50	98.4	97.3	105.8	3		D-5
MCDONNELL DOUGLAS	DC-10-30	555.00	424.00	CF6-50C2	3	51.80	4.3	5	50	96.8	97.8	106.0	3	15	D-3
MCDONNELL DOUGLAS	DC-10-30	555.00	424.00	CF6-50C2-B	3	53.20	4.3	5	50	96.1	98.4	106.0	3	15	D-3
MCDONNELL DOUGLAS	DC-10-30	572.00	424.00	CF6-50C2-B	3	53.20	4.3	10	50	97.4	98.5	106.0	3	15	D-3
MCDONNELL DOUGLAS	DC-10-30	590.00	436.00	CF6-50C2	3	51.80	4.3	15	50	99.0	97.7	106.4	3	15	D-3
MCDONNELL DOUGLAS	DC-10-40	530.00	403.00	JT9D-20D	3	44.50	5.0	10	50	100.8	95.2	105.7	3	*	D-1
MCDONNELL DOUGLAS	DC-10-40	555.00	403.00	JT9D-59A	3	51.70	4.9	10	50	101.4	98.0	106.4	3	*	D-1
MCDONNELL DOUGLAS	MD-11	602.50	430.00	CF6-80C2	3	61.50	5.3	10	50	92.8	96.3	103.6	3		D-6

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL(EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
MCDONNELL DOUGLAS	MD-11	602.50	430.00	PW4460	3	60.00	5.0	10	50	94.1	96.1	103.5	3		D-6
MCDONNELL DOUGLAS	MD-11	618.00	471.50	CF6-80C2	3	61.50	5.3	10	50	93.9	96.3	104.3	3		D-6
MCDONNELL DOUGLAS	MD-11	618.00	471.50	PW4460	3	60.00	5.0	10	50	95.2	96.1	104.0	3		D-6
MCDONNELL DOUGLAS	MD-80	140.00	128.00	JT8D-209	2	19.25	1.8	0	40	88.9	94.7	92.8	3	10	D-4
MCDONNELL DOUGLAS	MD-80	140.00	128.00	JT8D-219	2	21.70	1.7	0	40	86.7	97.3	92.8	3	10	D-4
MCDONNELL DOUGLAS	MD-80	149.50	130.00	JT8D-209	2	19.25	1.8	0	40	91.1	94.5	92.9	3	10	D-4
MCDONNELL DOUGLAS	MD-80	149.50	130.00	JT8D-217	2	20.85	1.8	0	40	89.7	95.8	92.9	3	10	D-4
MCDONNELL DOUGLAS	MD-80	142.00	130.00	JT8D-217	2	20.85	1.8	0	40	88.2	96.1	92.9	3	10	D-4
MCDONNELL DOUGLAS	MD-80	149.50	130.00	JT8D-219	2	21.70	1.7	0	40	88.6	97.1	92.9	3	10	D-4
MCDONNELL DOUGLAS	MD-80	160.00	150.00	JT8D-217A	2	20.85	1.8	2	40	92.0	95.9	93.7	3	* 10	D-4
MCDONNELL DOUGLAS	MD-80	160.00	150.00	JT8D-217C	2	20.85	1.7	2	40	91.5	96.3	93.7	3	10	D-4
MCDONNELL DOUGLAS	MD-80	160.00	150.00	JT8D-219	2	21.70	1.7	2	40	90.8	97.2	93.7	3	10	D-4
MCDONNELL DOUGLAS	MD-87	125.00	120.00	JT8D-217A	2	20.85	1.8	0	40	84.3	96.4	92.9	3	10	NM

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL (EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
MCDONNELL DOUGLAS	MD-87	125.00	120.00	JT8D-217C	2	20.85	1.7	0	40	84.1	96.5	92.9	3	10	D-4
MCDONNELL DOUGLAS	MD-87	140.00	128.00	JT8D-219	2	21.70	1.7	0	40	86.5	97.1	93.3	3	10	D-4
MCDONNELL DOUGLAS	MD-87	149.50	130.00	JT8D-217A	2	20.85	1.8	1	40	89.7	95.9	93.3	3	10	D-4
MCDONNELL DOUGLAS	MD-87	149.50	130.00	JT8D-217C	2	20.85	1.7	1	40	89.2	96.2	93.3	3	10	D-4
MCDONNELL DOUGLAS	MD-87	149.50	130.00	JT8D-219	2	21.70	1.7	1	40	88.5	97.1	93.3	3	10	D-4
MITSUBISHI	MU-300 (DIAMOND I)	14.10	13.20	JT15D-4	2	2.50		10	30	86.3	88.0	85.8	3	*	CR
MITSUBISHI	MU-300 (DIAMOND I)	15.50	13.20	JT15D-4D	2			0	30	81.2	88.4	85.8	3		SW
MITSUBISHI	MU-300-10 (DIAM. II)	15.78	14.22	JT15D-5	2	2.88		10	30	88.6	93.7	91.4	3	*	SW
SABRELINER	SABRELINER 40	17.50	14.00	JT12A-8	2	3.30		0	25	89.7	100.4	97.5	2		SA-1
SABRELINER	SABRELINER 40	20.20	17.50	JT12A-8	2	3.30		0	25	94.5	100.1	98.4	2		SA-1
SABRELINER	SABRELINER 60	20.20		JT12A-8	2	3.30			24	95.0	100.3	98.5	2	*	A-1
SABRELINER	SABRELINER 60A/60SC	22.70	20.60	JT12A-8	2	3.30		0		94.4	100.0	102.2	2		SA-1
SABRELINER	SABRELINER 65	24.00	21.80	TFE731-3R	2	3.70	2.8			84.0	93.0	90.6	3	*	CR

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

				ENGINE DATA				FLAPS		NOISE LEVEL (EPNL)					
MANUFACTURER	MODEL	MTOW 1000#	LW 1000#	MODEL	NO.	THRUST 1000#	BPR	TO	AP	TAKE-OFF	SIDE-LINE	APPR.	STD	NOTES	REF.
SABRELINER	SABRELINER 65	22.70	21.80	TFE731-3R	2	3.70	2.8	0	36	82.3	93.1	90.6	3	*	SA-1
SABRELINER	SABRELINER 75A	23.00		CF700-2D-2	2	4.30	2.0	15	25	90.7	91.3	100.2	2	*	A-1
SABRELINER	SABRELINER 80	23.30	22.00	CF700-2D-2	2	4.32	2.0			90.7	91.3	100.2	2	*	CR
SABRELINER	SABRELINER 80A/80SC	25.50	22.00	CF700-2D-2	2	4.30	2.0	0		91.2	91.4	101.1	2	*	SA-1

APPENDIX 1 NOTES

1	ENGINES EQUIPPED WITH P-36 ACOUSTICAL TREATMENT (MCDONNELL DOUGLAS AIRCRAFT)
2	QUIET NACELLES AND FAN CASE DOUBLE ACOUSTIC TREATMENT (BOEING AIRCRAFT)
3	FAN CASE DOUBLE ACOUSTIC TREATMENT (BOEING AIRCRAFT)
4	AT TOGW OF 445K OR LESS AND LANDING WEIGHTS OF 400K OR LESS, THE CENTER LANDING GEAR RETRACTED.
5	DIRECT LIFT CONTROL USED ON APPROACH.
6	ENGINE ACOUSTIC TREATMENT INSTALLED PER APPROPRIATE STC
10	DC-9-80 NORMAL TAKEOFF POWER
12	EQUIPPED WITH STANDARD HUSH KIT
13	EQUIPPED WITH LEARAVIA ENGINE SUPPRESSOR NOZZLE (GATES LEARJET)
14	EQUIPPED WITH LEARAVIA WITH ECR 936 (GATES LEARJET)
15	REVISED FORWARD CENTER OF GRAVITY ON APPROACH
16	DATA ALSO APPLIES TO JT8D-7A AND JT8D-7B ENGINES
17	DATA ALSO APPLIES TO JT8D-9A
18	DATA ALSO APPLIES TO JT8L-15A
19	DATA ALSO APPLIES TO JT8D-17A
20	DATA ALSO APPLIES TO JT8D-17AR
21	DATA ALSO APPLIES TO JT3D-3B DERATED TO JT3D-1 THRUST
22	INCREASED TAKEOFF THRUST RATING
23	EQUIPPED WITH JT8D-217C OUTBOARD ENGINES
24	EQUIPPED WITH FAN DUCT ACOUSTIC TREATMENT (MCDONNELL DOUGLAS)
25	EQUIPPED WITH THRUST REVERSERS
26	EQUIPPED WITH 4% LEADING EDGE EXTENSION
27	EQUIPPED WITH BURBANK AERONAUTICAL CORP.NACELLE
28	EQUIPPED WITH BOEING NACELLE
29	EQUIPPED WITH -100 "CN" NACELLE.
30	EQUIPPED WITH -200 "CN" NACELLE.
31	EQUIPPED WITH MODIFICATIONS 2450 (SHORT NOZZLE), 3305, AND 3373.
32	EQUIPPED WITH JT8D-219 OUTBOARD ENGINES.
33	DATA ALSO APPLIES TO TFE731-3R-1H
34	EQUIPPED WITH MODIFICATION M3530
*	FULL POWER TAKEOFF
**	650 METER SIDELINE

EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS AT TAKEOFF, SIDELINE, AND APPROACH

STAGE 2

	TAKEOFF LIMITS (EPNdB)	SIDELINE LIMITS (EPNdB)	APPROACH LIMITS (EPNdB)
UP TO AND INCLUDING 75,000 LBS.	93	102	102
OVER 75,000 LBS. TO 600,000 LBS.	$93+5\left\{\frac{\log\frac{W}{75{,}000}}{\log 2}\right\}$	$102+2\left\{\frac{\log\frac{W}{75{,}000}}{\log 2}\right\}$	$102+2\left\{\frac{\log\frac{W}{75{,}000}}{\log 2}\right\}$
OVER 600,000 LBS.	108	108	108

EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS AT TAKEOFF

STAGE 3-TAKEOFF
(EPNdB)

4 ENGINE OR MORE
(EPNdB)

UP TO AND INCLUDING 44,673 LBS.	89
OVER 44,673 LBS. TO 850,000 LBS.	$89+4\left\{\frac{\log\frac{W}{44,673}}{log2}\right\}$
OVER 850,000 LBS.	106

3 ENGINE

UP TO AND INCLUDING 63,177 LBS.	89
OVER 63,177 TO 850,000 LBS.	$89+4\left\{\frac{\log\frac{W}{63,177}}{log2}\right\}$
OVER 850,000 LBS.	104

2 ENGINE OR LESS

UP TO AND INCLUDING 106,250 LBS.	89
OVER 106,250 TO 850,000 LBS.	$89+4\left\{\frac{\log\frac{W}{106,250}}{log2}\right\}$
OVER 850,000 LBS.	101

EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS AT SIDELINE AND APPROACH

STAGE 3-SIDELINE (EPNdB)

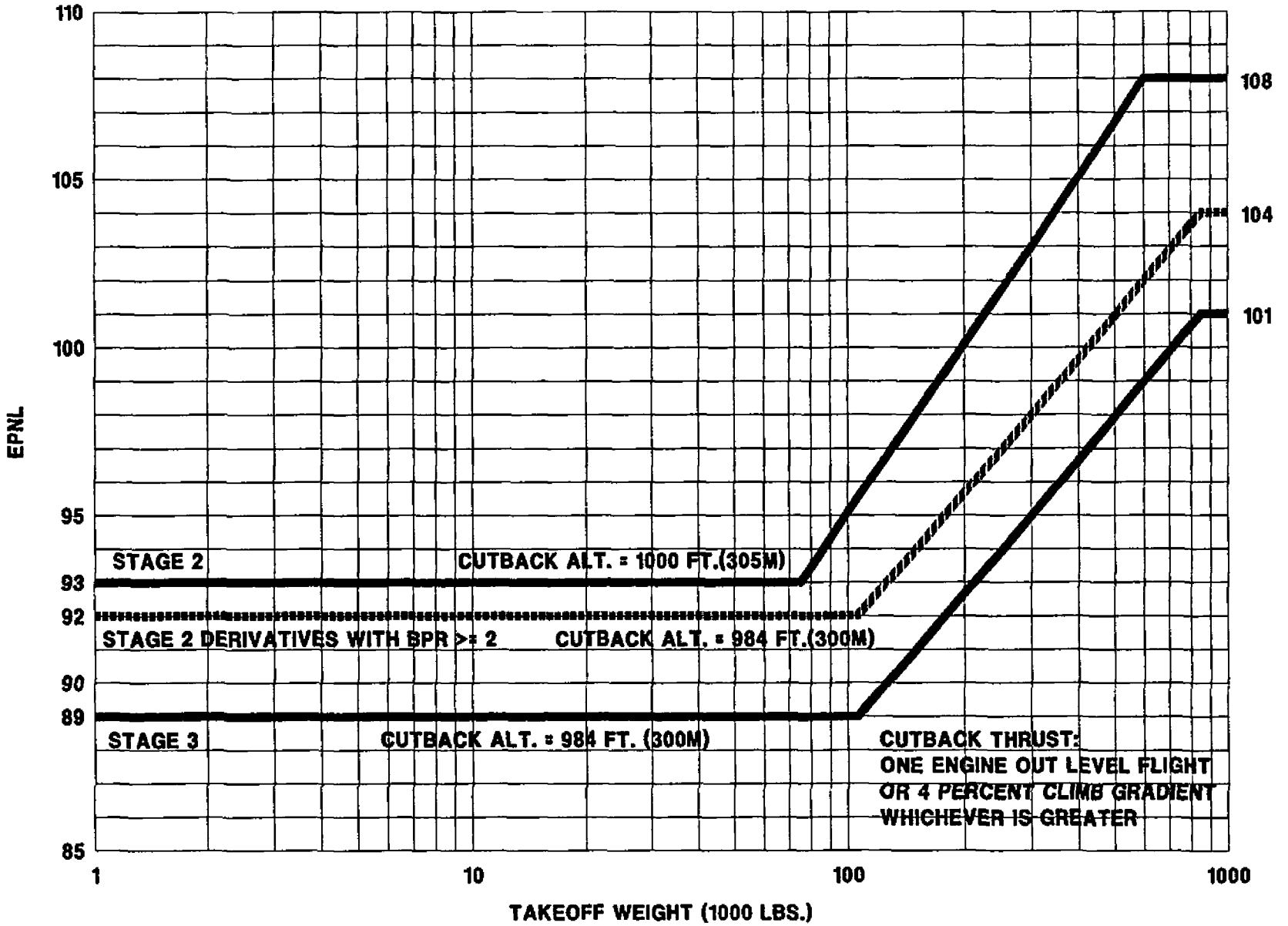
UP TO AND INCLUDING 77,200 LBS.	94
OVER 77,200 LBS. TO 882,000 LBS.	$94+2.56\left\{\frac{\log\frac{W}{77,200}}{log2}\right\}$
OVER 882,000 LBS.	103

STAGE 3-APPROACH (EPNdB)

UP TO AND INCLUDING 77,200 LBS.	98
OVER 77,200 TO 617,300 LBS.	$98+2.33\left\{\frac{\log\frac{W}{77,200}}{log2}\right\}$
OVER 617,300 LBS.	105

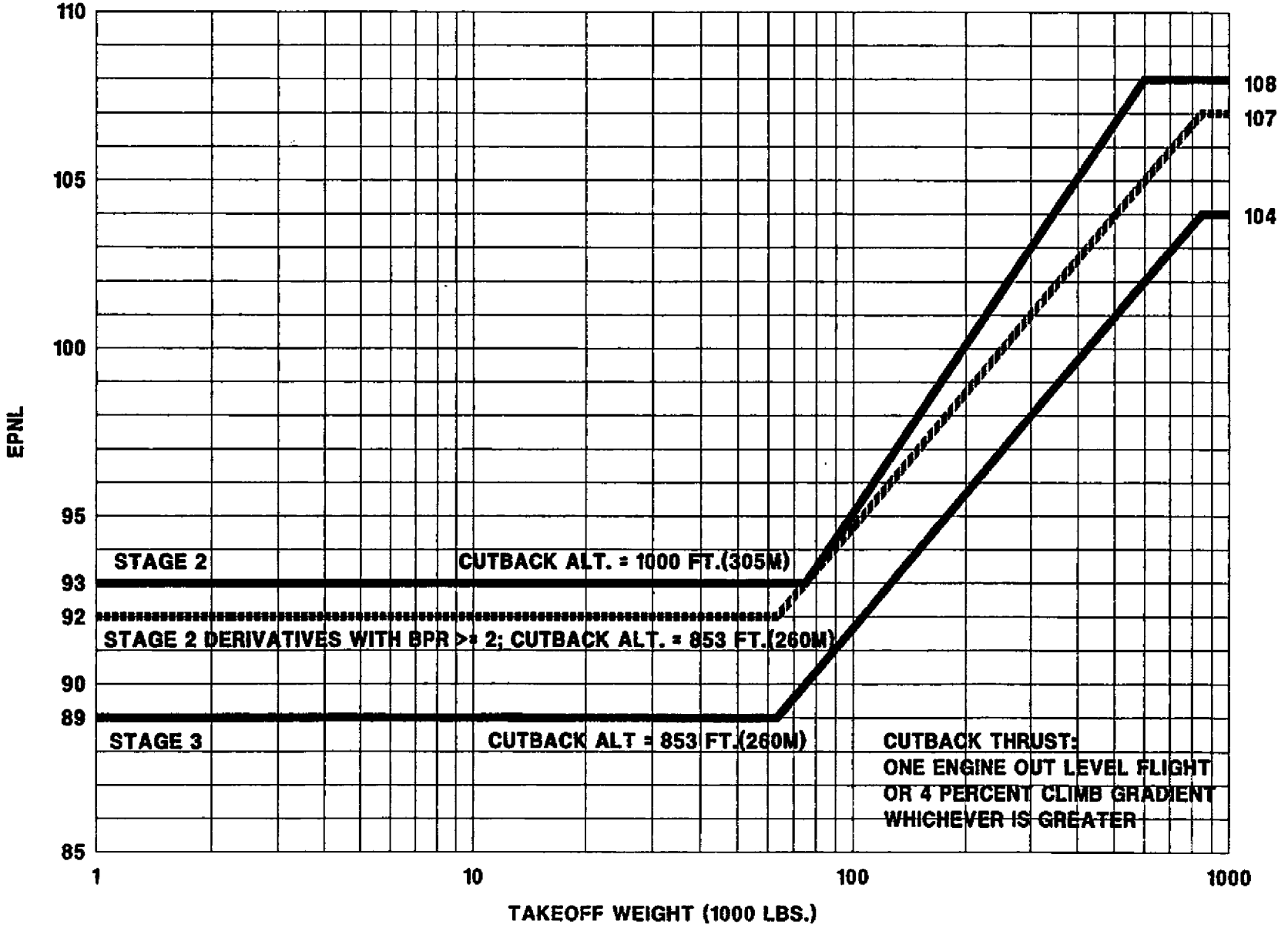
NOISE CERTIFICATION REQUIREMENTS - JET AND TRANSPORT AIRPLANES

TAKEOFF - 2 ENGINE



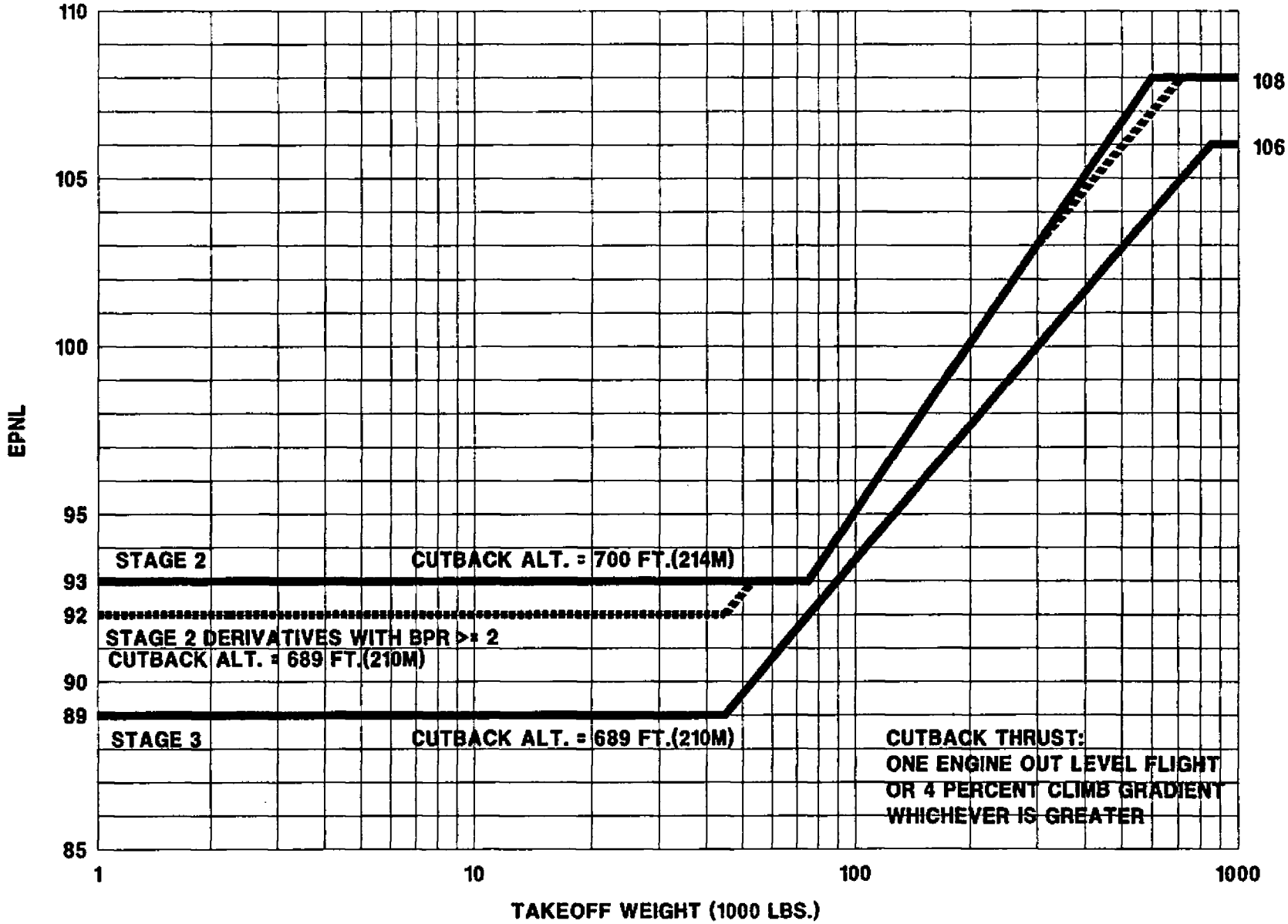
NOISE CERTIFICATION REQUIREMENTS - JET AND TRANSPORT AIRPLANES

TAKEOFF - 3 ENGINE

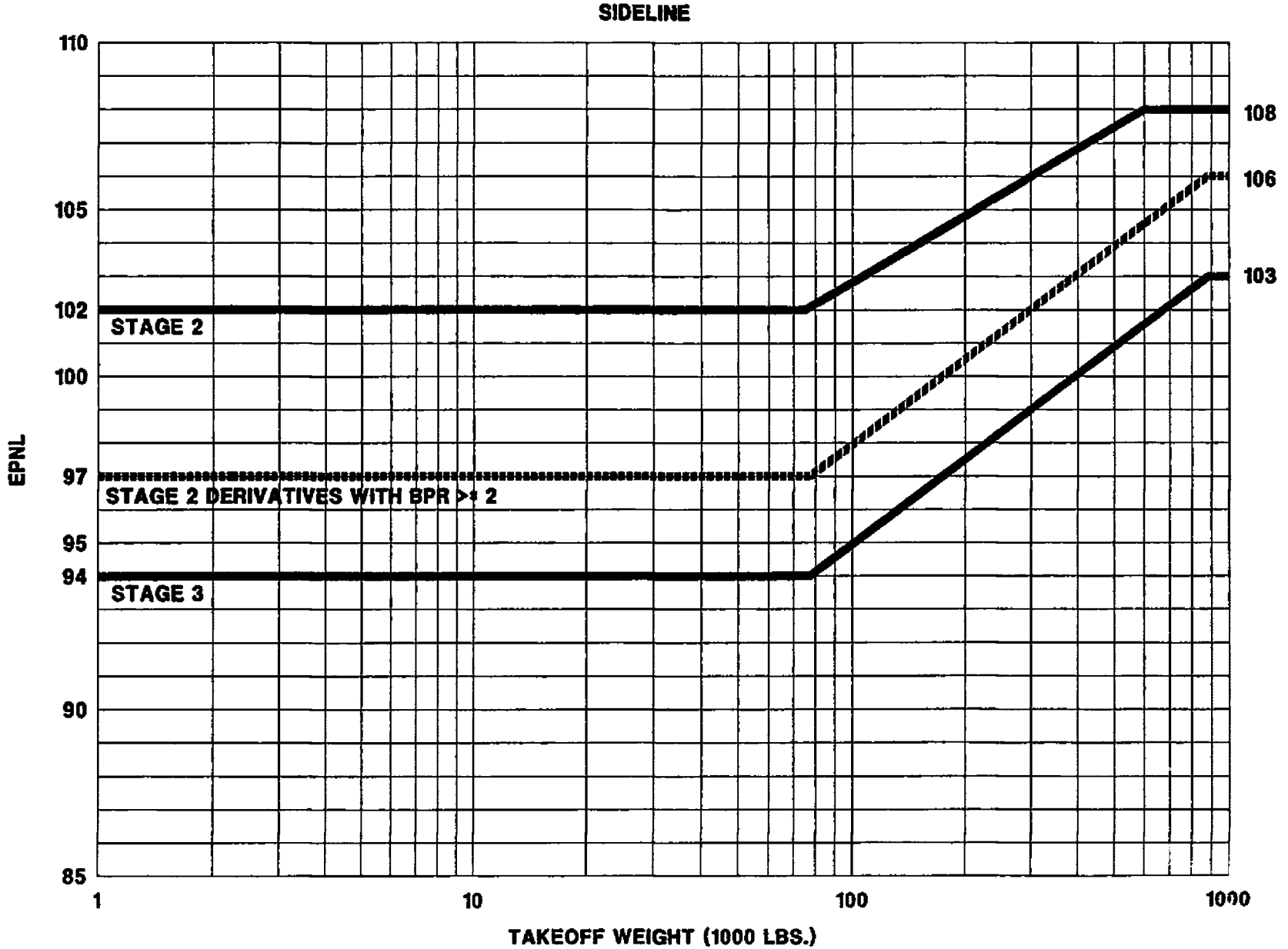


NOISE CERTIFICATION REQUIREMENTS - JET AND TRANSPORT AIRPLANES

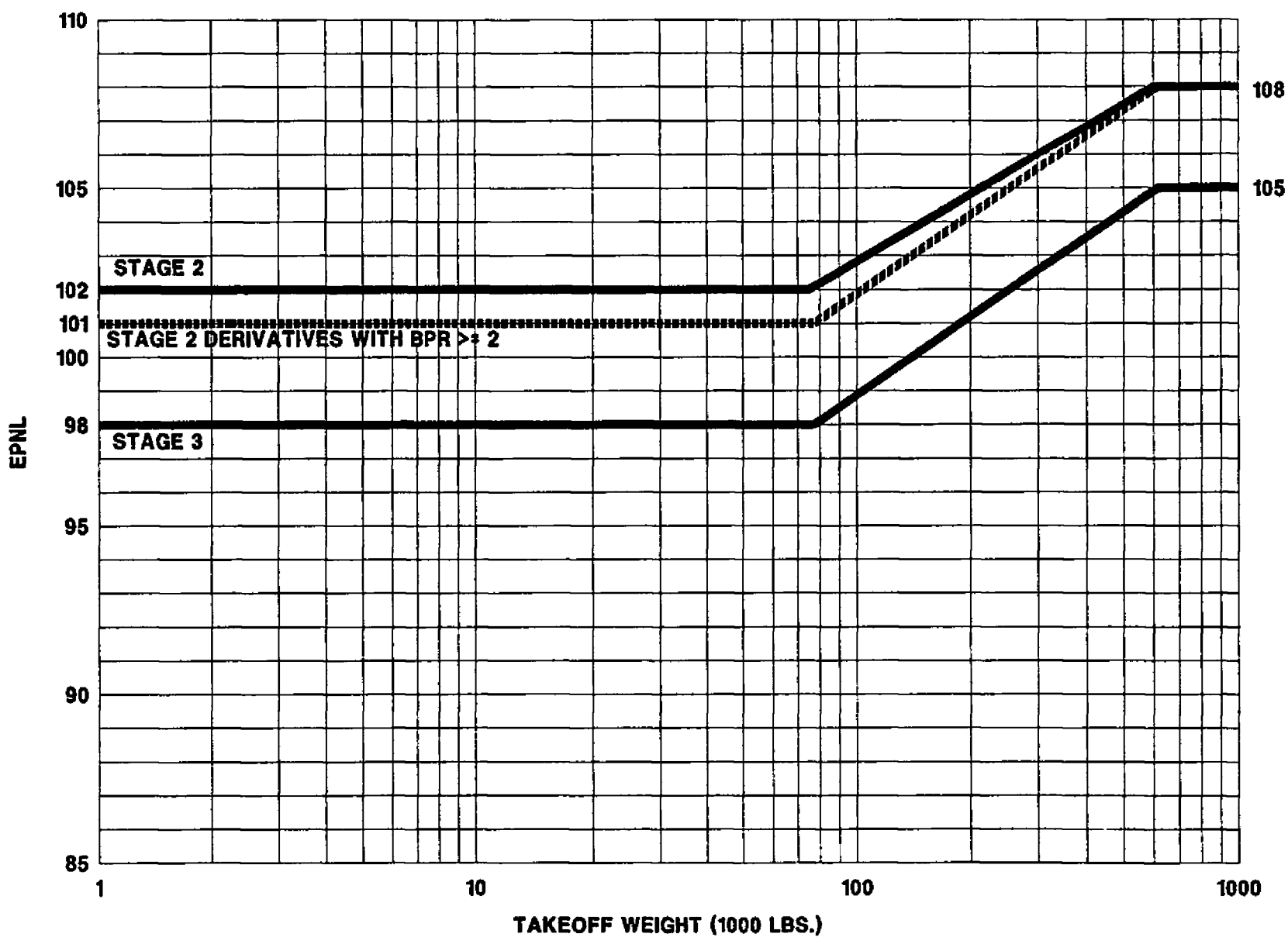
TAKEOFF - 4 ENGINE



NOISE CERTIFICATION REQUIREMENTS - JET AND TRANSPORT AIRPLANES



NOISE CERTIFICATION REQUIREMENTS - JET AND TRANSPORT AIRPLANES



APPENDIX 2
AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW LW 1000#	ENGINE DATA NUMBER MODEL	THRUST 1000#	BPR	FLAPS TO	FLAPS APPR.	NOISE LEVEL(EPNL) SIDE-LINE 450M	SIDE-LINE 650M	ALT. FEET	TAKEOFF	APPR. 2000M	CHAPTER	NOTES	REFERENCE
AEROSPATIALE	114.5	2	14.0	1.1	5	35		98.2		92.3	105.1	2		I-3
CARAVELLE 10-B1R	109.0	JT8D-7												
AEROSPATIALE	119.0	2	14.0	1.1	5	35		98.1		93.7	105.1	2		I-3
CARAVELLE 10-B1R	109.0	JT8D-7												
AEROSPATIALE	119.0	2	14.0	1.1	5	45		97.7		94.4	106.2	2		I-3
CARAVELLE 10-B3	109.0	JT8D-7												
AEROSPATIALE	125.6	2	14.2	1.1	5	45		98.2		95.7	106.2	2		I-3
CARAVELLE 10-B3	109.0	JT8D-9												
AEROSPATIALE	114.5	2	14.0	1.1	5	35		97.9		92.3	105.1	2		I-3
CARAVELLE 11R	109.0	JT8D-7												
AEROSPATIALE	119.0	2	14.2	1.1	5	45		98.4		94.0	105.9	2		I-3
CARAVELLE 12	109.0	JT8D-9												
AEROSPATIALE	123.4	2	14.2	1.1	5	45		98.3		95.3	105.9	2		I-3
CARAVELLE 12	109.0	JT8D-9												
AEROSPATIALE	127.0	2	14.2	1.1	5	45		98.2		96.6	105.9	2		I-3
CARAVELLE 12	109.0	JT8D-9												
AIRBUS	302.0	2	50.4	4.3	0	25	97.4			90.8	102.9	3		I-6
A300B1	269.0	CF6-50C2R												

APPENDIX 2
AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW LM 1000#	ENGINE DATA NUMBER MODEL	THRUST 1000#	BPR	FLAPS TO	APPR.	NOISE LEVEL(EPNL) SIDE-LINE 450M	SIDE-LINE 650M	ALT. FEET	TAKEOFF	APPR. 2000M	CHAPTER	NOTES	REFERENCE
AIRBUS	302.1	2	48.4	4.6		25		90.7		87.9	101.1	2		I-3
A300B1	269.0	CF6-50A												
AIRBUS	313.1	2	50.4	4.3		25		92.6		87.0	101.7	2		I-3
A300B2 K3C	286.7	CF6-50C												
AIRBUS	302.1	2	48.3	4.6		25		90.7		87.9	101.1	2		I-3
A300B2-1A	281.1	CF6-50A												
AIRBUS	291.0	2	50.4	4.3	0	25	97.5			89.9	102.9	3		I-6
A300B2-1C	269.0	CF6-50C												
AIRBUS	313.0	2	50.4	4.3	0	25	97.4			91.8	103.1	3		I-6
A300B2-1C	286.7	CF6-50C												
AIRBUS	313.0	2	51.7	4.6	0	25	97.3	93.5		89.3	102.0	3		I-1,I-3
A300B2-202	287.0	CF6-50C1												
AIRBUS	330.8	2	50.4	4.9	8	15	98.5			90.3	100.5	3		I-3
A300B2-320	293.3	JT9D-59A												
AIRBUS	347.3	2	51.7	4.6		25		93.3		90.1	101.9	2		I-3
A300B4-102	294.8	CF6-50C1												
AIRBUS	313.1	2			0	25	98.0			90.0	101.9	3		EU
A300B4-120	286.6	JT9D-59A												

APPENDIX 2
AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW LW 1000#	ENGINE DATA NUMBER MODEL	THRUST 1000#	BPR	FLAPS TO	FLAPS APPR.	NOISE LEVEL(EPNL) SIDE-LINE 450M	SIDE-LINE 650M	ALT. FEET	TAKEOFF	APPR. 2000M	CHAPTER	NOTES	REFERENCE
AIRBUS	347.2	2			0	25	97.7			92.2	103.2	3	2	EU
A300B4-120	295.4	JT9D-59A												
AIRBUS	363.8	2			0	25	97.6			93.5	103.2	3	2	EU
A300B4-120	295.4	JT9D-59A												
AIRBUS	363.8	2			0	25	97.5			93.6	102.3	3		EU
A300B4-120	299.8	JT9D-59A												
AIRBUS	302.0	2			0	25	98.3			89.9	102.4	3		EU
A300B4-203	275.6	CF650.C2												
AIRBUS	363.8	2			0	25	97.9			93.9	102.9	3		EU
A300B4-203	299.8	CF650.C2												
AIRBUS	330.8	2	50.4	4.3		25		92.4		89.0	101.9	2		I-3
A300B4-2C	293.3	CF6-50C												
AIRBUS	337.4	2	50.4	4.3		25		92.4		89.6	101.9	2		I-3
A300B4-2C	293.3	CF6-50C												
AIRBUS	347.3	2	50.4	4.3		25		92.4		90.5	101.9	2		I-3
A300B4-2C	293.3	CF6-50C												
AIRBUS	330.7	2	56.0	5.	0	40	99.4	0.0		89.3	100.7	3		I-6
A300B4-620	288.8	JT9D-7R4H1												

APPENDIX 2
AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW LW 1000#	ENGINE DATA NUMBER MODEL	THRUST 1000#	BPR	FLAPS TO	FLAPS APPR.	NOISE LEVEL(EPNL) SIDELINE 450M	SIDELINE 650M	ALT. FEET	TAKEOFF	APPR. 2000M	CHAPTER	NOTES	REFERENCE
AIRBUS	385.8	2	56.0	5.	0	40	98.9	0.0		93.0	101.0	3		I-6
A300B4-620	319.7	JT9D-7R4H1												
AIRBUS	330.7	2	57.8	4.7	0	40	98.0	0.0		88.0	101.3	3		I-6
A300B4-622-R	288.8	PW4158												
AIRBUS	385.8	2	57.8	4.7	0	40	97.6	0.0		93.1	101.9	3		I-6
A300B4-622-R	319.7	PW4158												
AIRBUS	302.0	2	50.4	4.3	0	25	96.9	0.0		89.8	102.4	3		I-6
A300B42C-13	286.6	CF6-50C2R												
AIRBUS	347.2	2	50.4	4.3	0	25	96.7	0.0		93.2	102.4	3		I-6
A300B42C-13	299.8	CF6-50C2R												
AIRBUS	275.6	2	50.0	4.6	0	40	97.1	0.0		87.5	99.7	3		I-6
A310-203	261.3	CF6-80A3												
AIRBUS	305.6	2	50.0	4.6	0	40	96.8	0.0		90.2	99.9	3		I-6
A310-203	267.9	CF6-80A3												
AIRBUS	275.6	2	50.0	5.	0	40	95.6			86.3	100.6	3		I-6
A310-222	261.3	JT9D-7R4												
AIRBUS	305.6	2	50.0	5.	0	40	95.4	0.0		89.7	100.6	3		I-6
A310-222	267.9	JT9D-7R4												

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AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW LW 1000#	ENGINE DATA NUMBER MODEL	THRUST 1000#	BPR	FLAPS TO	FLAPS APPR.	NOISE LEVEL(EPNL) SIDE-LINE 450M	SIDE-LINE 650M	ALT. FEET	TAKEOFF	APPR. 2000M	CHAPTER	NOTES	REFERENCE
AIRBUS	132.3	2	25.0	6.	10	35	94.8			82.1	96.3	3		I-6
A320-111	130.1	CFM56-5A1												
AIRBUS	169.8	2	25.0	6.	10	35	94.3			89.8	96.7	3		I-6
A320-111	147.7	CFM56-5A1												
ANTONOV	864.2	4					100.4			109.9	108.2	2		I-5
AN-124	727.5	A-18T												
BAe	92.0	2	12.6	0.7	6	45		102.2	2230	93.0	100.3	2	1	I-4
1-11 475	84.0	SPEY 512-14DW												
BAe	99.7	2	12.6	0.7	6	45		101.6	1870	95.3	100.0	2	1	I-4
1-11 500	87.0	SPEY 512-14DW												
BAe	104.5	2	12.6	0.7	6	45		101.0	1640	97.0	100.0	2	1	I-4
1-11 500S	87.0	SPEY 512-14DW												
BAe	92.5	2	12.0	0.7	8	45		101.7	2130	93.3	101.7	2	1	I-1,I-3
1-11 510	86.0	SPEY 512-14E												
BAe	82.3	4	6.7	5.9	18	33	86.9		1780	83.1	95.2	3		I-4
146-100-20	73.3	ALF502R-3												
BAe	89.5	4	7.0	5.7	18	33	87.3		1280	84.9	95.6	3		I-4
146-200-01	79.5	ALF502-5												

APPENDIX 2
AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW LW 1000#	ENGINE DATA NUMBER MODEL	THRUST 1000#	BPR	FLAPS TO	FLAPS APPR.	NOISE LEVEL(EPNL) SIDELINE 450M	SIDELINE 650M	ALT. FEET	TAKEOFF	APPR. 2000M	CHAPTER	NOTES	REFERENCE
BAe	400.0	4	38.5					112.0		119.5	117.0			I-2
CONCORDE	245.0	OLYMPUS 610												
BAe	20.0	2	3.0	0.	0	45		97.3	2090	91.1	103.6	2		I-4
HS 125-1	18.1	VIPER 520												
BAe	21.2	2	3.2	0.	0	45		98.4	2210	91.6	104.8	2		I-4
HS 125-1B	19.5	VIPER 521												
BAe	21.2	2	3.3	0.	0	45		100.0	2610	89.8	104.3	2		I-4
HS 125-1B/522	19.5	VIPER 522												
BAe	22.2	2	3.3	0.	0	45		100.0	2450	90.5	104.4	2		I-4
HS 125-1B/R522	19.6	VIPER 522												
BAe	21.7	2	3.3	0.	0	45		100.0	2490	90.6	104.4	2		I-4
HS 125-3B	20.0	VIPER 522												
BAe	22.8	2	3.3	0.	0	45		100.0	2315	91.5	104.5	2		I-4
HS 125-3B/RA	20.0	VIPER 522												
BAe	23.3	2	3.3	0.	0	45		100.0	2230	92.0	104.5	2		I-4
HS 125-400B	20.0	VIPER 522												
BAe	23.6	2	3.3	0.	0	45		100.0	2180	92.4	104.5	2		I-4
HS 125-403B	20.0	VIPER 522												

APPENDIX 2
AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW LW 1000#	ENGINE DATA NUMBER MODEL	THRUST 1000#	BPR	FLAPS TO	FLAPS APPR.	NOISE LEVEL(EPNL) SIDE-LINE 450M	SIDE-LINE 650M	ALT. FEET	TAKEOFF	APPR. 2000M	CHAPTER	NOTES	REFERENCE
BAe	25.5	2	3.7	0.	0	45	99.2	97.2	1960	88.7	102.7	2	1	I-4
HS 125-600B	22.0	VIPER 601-22												
BAe	25.5	2	3.7	0.	0	45		101.1	2040	93.4	101.9	2		I-4
HS 125-600B	22.0	VIPER 601-22												
BAe	25.5	2	3.7	2.7	0	45	89.3		2150	88.0	96.0	3		I-4
HS 125-600F	22.0	TFE 731-3-1H												
BAe	25.5	2	3.7	2.7	0	45	89.3		2150	88.0	96.0	3		I-4
HS 125-700B	22.0	TFE 731-3-1H												
DASSAULT BREGUET	28.7	2	4.3	2.	10	40	92.0	90.0	2600	90.0	103.0	2	*	I-1
FALCON 20	27.3	CF700-2D-2												
DASSAULT BREGUET	30.4	2	5.1	2.9	10	40	89.7			83.7	95.8	3	*	I-3
FALCON 20G	28.8	ATF3-6-2C												
DASSAULT BREGUET	32.0	2	5.1	2.9	10	40	89.6			85.0	95.8	3	*	I-3
FALCON 20G	27.6	ATF3-6-2C												
DASSAULT BREGUET	120.2	2	15.5	0.99	5	25	102.6	100.0		93.0	103.7	2		I-1
MERCURE 100A	110.9	JT8D-15												
DASSAULT BREGUET	125.0	2	15.5	1.	5	25		99.9		94.1	103.0	2		I-3
MERCURE 100B	115.0	JT8D-15												

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AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW LW 1000#	ENGINE DATA NUMBER MODEL	THRUST 1000#	BPR	FLAPS TO	FLAPS APPR.	NOISE LEVEL(EPNL) SIDE-LINE 450M	SIDE-LINE 650M	ALT. FEET	TAKEOFF	APPR. 2000M	CHAPTER	NOTES	REFERENCE
FOKKER	44.1	2	6.9	3.1		35		89.6		90.5	99.0	2		I-1
614	44.1	M45H												
FOKKER	65.0	2	41.8	1.	6	42	99.5			90.0	101.8	2		NM
F28 MK2000	59.0	RB183MK555-15												
ILYUSHIN	363.8	4	44.0	2.46	30	30	103.7	100.5		106.9	105.0	2		I-5
IL-62M	231.5	D-30KU												
ILYUSHIN	369.3	4	24.3	2.4	30	30	99.1			102.5	102.6	3	1	I-5
IL-62M	235.9	D-30KU												
ILYUSHIN	374.8	4	26.5	2.36	30	30		102.7		103.1	108.9	2		I-5
IL-76T(TD)	334.0	D-30KP												
ILYUSHIN	463.0	4	28.7	1.3	30	40		104.2		107.4	105.1	2		I-5
IL-86	385.8	NK-86												
TUPOLEV	99.2	2	15.0	1.	10	38		101.9		92.9	101.4	2		I-5
TU-134	88.2	D-30-I												
TUPOLEV	104.9	2	15.3	0.84	10	30		102.5		95.5	101.3	2		I-5
TU-134A-3/B-3	94.8	D-30-III												
TUPOLEV	108.0	2	15.3	0.84	10	30		102.5		96.7	101.3	2		I-5
TU-134A-3/B-3	94.8	D-30-III												

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AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW LW 1000#	ENGINE DATA NUMBER MODEL	THRUST 1000#	BPR	FLAPS TO	FLAPS APPR.	NOISE LEVEL(EPNL) SIDE-LINE 450M	SIDE-LINE 650M	ALT. FEET	TAKEOFF	APPR. 2000M	CHAPTER	NOTES	REFERENCE
TUPOLEV	103.6	2	15.0	1.	10	38		101.9		95.3	102.1	2		I-5
TU-134A/B	94.8	D-30-II												
TUPOLEV	211.6	3	23.2	1.	28	45		97.8		100.1	106.0	2		I-5
TU-154	172.0	NK-8-2U												
TUPOLEV	216.1	3	23.2	1.	28	45		97.8		100.1	106.0	2		I-5
TU-154	172.0	NK-8-2U												
TUPOLEV	220.5	3	24.3	2.4	15	45	99.5			92.5	102.0	3	1	I-5
TU-154M	176.4	D-30KU-154												
TUPOLEV	220.5	3	24.3	2.4	28	45		98.0		94.3	102.5	2		I-5
TU-154M	176.4	D-30KU-154												
YAKOLEV	35.3	3	3.3	2.	20	35		85.3		88.7	99.3	2		I-5
YAK-40	32.4	A1-25												
YAKOLEV	119.0	3	14.3	6.	20	45		93.6		93.8	102.6	2		I-5
YAK-42	110.2	D-36												
YAKOLEV	124.6	3	14.3	6.	20	45	92.8			90.9	99.6	3	1	I-5
YAK-42	111.3	D-36												

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STAGE 3
TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
AEROSPATIALE	SN601 CORVETTE	JT15D-4	13.9	12.4	80.4	85.4	89.5	*
AEROSPATIALE	SN601 CORVETTE	JT15D-4	14.6	13.2	74.0	81.0	90.0	
AIRBUS	A300B2-203	CF6-50-C2	313.1	286.6	91.1	97.9	103.1	
AIRBUS	A300B4-103	CF6-50-C2	347.2	295.4	93.6	97.7	103.0	
AIRBUS	A300B4-203	CF6-50-C2	363.7	299.8	94.0	96.9	102.4	31
AIRBUS	A300B4-203	CF6-50C2	313.0	286.6	90.5	97.3	102.4	31
AIRBUS	A300B4-605R	CF6-80-C2-A5	375.1	308.0	91.1	98.9	99.8	
AIRBUS	A300B4-622R	PW-4158	330.0	275.0	88.0	98.3	101.3	
AIRBUS	A300B4-622R	PW-4158	385.0	304.5	93.1	97.9	101.9	
AIRBUS	A310-221	JT9D-7R4D1	305.6	267.9	90.5	94.8	100.6	
AIRBUS	A310-304	CF6-80C2A2	275.6	261.3	85.7	96.5	98.5	
AIRBUS	A310-304	CF6-80C2A2	352.7	286.6	92.9	96.1	98.8	
AIRBUS	A310-324	PW-4152	330.7	271.2	90.6	97.2	100.2	
AIRBUS	A320-211	CFM56-5A1	149.9	142.2	85.3	94.4	96.4	
AIRBUS	A320-211	CFM56-5A1	162.0	142.2	87.8	94.3	96.4	
AIRBUS	A320-231	V2500.A1	149.9	142.2	84.0	93.0	96.6	
AIRBUS	A320-231	V2500.A1	162.0	142.2	86.6	92.8	96.6	
BAe	125-1000	PW305	31.0	25.0	81.8	85.9	91.6	
BAe	125-800	TFE731-5R-1H	27.4	23.4	80.9	87.2	96.5	
BAe	125-800A	TFE731-5R-1H	27.4	23.4	80.9	89.6	96.5	25

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STAGE 3
TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
BAe	146-100A	ALF502R-3	76.0	72.3	80.7	87.2	95.1	
BAe	146-100A	ALF502R-3A	76.0	72.3	79.0	88.0	94.9	
BAe	146-100A	ALF502R-3A	82.3	73.3	82.3	87.6	95.2	
BAe	146-100A	ALF502R-5	82.3	73.3	82.3	87.6	95.2	
BAe	146-100A	ALF502R-5	84.0	77.5	81.8	87.7	95.6	
BAe	146-200A	ALF502R-3	89.5	77.5	85.9	86.6	95.6	
BAe	146-200A	ALF502R-3A	89.5	77.5	84.9	87.3	95.6	
BAe	146-200A	ALF502R-5	89.5	77.5	84.9	87.3	95.6	
BAe	146-200A	ALF502R-5	93.0	81.0	85.2	87.3	95.8	
BAe	146-300A	ALF 502R-5	95.0	83.0	86.0	87.0	96.0	
BAe	146-300A	ALF502R-5	97.5	84.5	86.5	86.7	95.6	
BAe	C-29A	TFE731-5R-1H	28.0	23.4	81.4	87.3	95.8	
BAe	HS 125-1A	TFE731-3-1H	21.2	19.6	83.4	90.1	96.0	
BAe	HS 125-1A	TFE731-3-1H	21.7	19.6	84.2	90.0	96.0	
BAe	HS 125-3A	TFE731-3-1H	21.7	20.0	84.2	90.0	96.3	
BAe	HS 125-3A/RA	TFE731-3-1H	23.6	20.0	85.5	89.8	95.7	
BAe	HS 125-400A	TFE731-3-1H	23.6	20.0	85.5	89.8	95.7	
BAe	HS 125-600A	TFE731-3-1H	25.5	22.0	88.0	89.2	96.3	
BAe	HS 125-700A	TFE731-3-1H	25.5	22.0	88.0	89.2	96.3	33
BEECH	BEECHJET 400	JT15D-5	15.8	14.2	88.6	93.7	91.4	*

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STAGE 3
TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
BOEING	B-727-100 (FED. EX.)	JT8D-7(A)(B)	169.5	142.5	94.4	96.5	97.9	6,28
BOEING	B-727-100 (FED. EX.)	JT8D-7/A/B	160.0	137.5	92.5	96.6	97.8	6,28
BOEING	B-727-100 (FED. EX.)	JT8D-9/A	169.5	142.0	94.0	97.3	98.8	6,27
BOEING	B-727-200 (FED. EX.)	JT8D-7/A/B	177.6	154.5	96.9	96.0	99.1	6,27
BOEING	B-727-200 (FED. EX.)	JT8D-7B(A)(B)	172.6	150.0	95.7	96.5	98.9	6,27
BOEING	B-727-200 (FED. EX.)	JT8D-7B(A)(B)	172.6	150.0	96.0	97.4	99.0	6,28
BOEING	B-727-200 (FED. EX.)	JT8D-9/A	169.5	150.0	94.1	97.8	100.2	6,27
BOEING	B-727-200RE(VALSAN)	JT8D-15/217C	190.5	148.0	91.5	99.3	98.8	6,23
BOEING	B-727-200RE(VALSAN)	JT8D-17/217C	198.5	159.0	92.2	99.5	99.0	6,23
BOEING	B-727-200RE(VALSAN)	JT8D-17A/217C	203.1	164.0	94.6	97.6	99.3	6,23
BOEING	B-727-200RE(VALSAN)	JT8D-17A/217C	209.5	159.0	94.5	99.6	99.0	6,23
BOEING	B-737-300	CFM56-3-B1	124.5	114.0	84.4	90.4	99.9	
BOEING	B-737-300	CFM56-3-B1	139.5	115.8	87.5	89.9	100.0	
BOEING	B-737-300	CFM56-3B-2	124.5	114.0	82.8	92.2	99.9	
BOEING	B-737-300	CFM56-3B-2	139.5	115.8	85.7	91.9	100.0	
BOEING	B-737-400	CFM56-3-B1	138.5	121.0	87.2	90.0	100.2	
BOEING	B-737-400	CFM56-3-B1	142.5	121.0	88.9	89.6	100.2	
BOEING	B-737-400	CFM56-3B-2	138.5	121.0	85.7	92.1	100.2	
BOEING	B-737-400	CFM56-3B-2	150.0	124.0	87.7	91.7	100.2	
BOEING	B-737-400	CFM56-3C-1	138.5	121.0	85.0	93.2	100.2	

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TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
BOEING	B-737-400	CFM56-3C-1	150.0	124.0	87.1	93.1	100.2	
BOEING	B-737-500	CFM56-3-B1	115.5	105.0	82.7	90.8	99.4	
BOEING	B-737-500	CFM56-3-B1	139.0	110.0	87.3	90.0	99.8	
BOEING	B-737-500	CFM56-3-B1(R)	115.5	105.0	83.6	89.9	99.4	
BOEING	B-737-500	CFM56-3-B1(R)	132.8	110.0	87.7	88.9	99.8	
BOEING	B-747-100	JT9D-3A	710.0	400.0	105.4	102.1	104.6	29
BOEING	B-747-100	JT9D-3A	710.0	540.0	105.4	102.1	104.6	29
BOEING	B-747-100	JT9D-7	734.0	540.0	105.1	102.7	104.1	29
BOEING	B-747-100	JT9D-7	734.0	425.0	105.1	102.7	104.6	29
BOEING	B-747-100	JT9D-7A	734.0	460.0	104.3	102.6	105.3	29
BOEING	B-747-100	JT9D-7A	734.0	630.0	104.3	102.6	105.5	29
BOEING	B-747-100	JT9D-7F	750.0	400.0	104.5	103.5	104.5	29
BOEING	B-747-100	JT9D-7F	750.0	520.0	104.5	103.5	104.5	29
BOEING	B-747-200	CF6-50E	775.0	585.0	100.7	101.1	105.9	
BOEING	B-747-200	CF6-50E	820.0	630.0	102.5	100.9	107.0	
BOEING	B-747-200	CF6-50E2	820.0	630.0	102.1	101.7	106.5	
BOEING	B-747-200	CF6-50E2	833.0	630.0	102.6	101.7	106.5	
BOEING	B-747-200	JT9D-3A	710.0	630.0	104.4	100.8	105.7	30
BOEING	B-747-200	JT9D-3A	710.0	520.0	104.4	100.8	106.9	30
BOEING	B-747-200	JT9D-7	734.0	630.0	104.2	101.3	105.2	30

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STAGE 3
TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
BOEING	B-747-200	JT9D-7	734.0	540.0	104.2	101.3	106.7	30
BOEING	B-747-200	JT9D-70A	820.0	630.0	101.1	98.5	106.0	
BOEING	B-747-200	JT9D-7A	734.0	630.0	103.5	101.2	105.0	30
BOEING	B-747-200	JT9D-7A	734.0	564.0	103.5	101.2	106.9	30
BOEING	B-747-200	JT9D-7F	750.0	630.0	103.5	102.0	106.0	30
BOEING	B-747-200	JT9D-7F	750.0	520.0	103.5	102.0	106.9	30
BOEING	B-747-200	JT9D-7J	770.0	475.0	103.6	103.0	105.9	30
BOEING	B-747-200	JT9D-7J	770.0	630.0	103.6	103.0	106.0	30
BOEING	B-747-200	JT9D-7Q	833.0	630.0	103.2	103.5	104.4	
BOEING	B-747-200	JT9D-7Q	833.0	600.0	103.2	103.5	106.6	
BOEING	B-747-200	RB.211-524C2	833.0	585.0	106.5	99.7	107.0	*
BOEING	B-747-200	RB.211-524D4	833.0	630.0	103.9	99.7	104.9	
BOEING	B-747-300	CF6-50E2	800.0	630.0	101.6	101.8	106.5	
BOEING	B-747-300	CF6-80C2B1	600.0	564.0	89.8	99.1	102.5	
BOEING	B-747-300	CF6-80C2B1	833.0	666.0	99.0	98.2	105.2	
BOEING	B-747-300	JT9D-7R4G2	785.0	630.0	100.1	101.5	106.6	
BOEING	B-747-300	JT9D-7R4G2	833.0	630.0	102.4	101.3	106.6	
BOEING	B-747-400	CF6-80C2	870.0	652.0	99.7	98.3	101.4	
BOEING	B-747-400	CF6-80C2B1F	600.0	564.0	89.6	99.1	101.7	
BOEING	B-747-400	CF6-80C2B1F	870.0	652.0	99.7	98.3	103.8	

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STAGE 3
TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
BOEING	B-747-400	PW 4056	870.0	652.0	101.5	99.7	104.7	
BOEING	B-747-400	PW4056	600.0	564.0	89.5	100.7	103.1	
BOEING	B-747-400	RB.211-524G	600.0	564.0	90.3	98.9	102.4	
BOEING	B-747-400	RB.211-524G	870.0	652.0	100.9	98.1	103.8	
BOEING	B-747-400	RB.211-524H	600.0	564.0	89.7	99.7	102.4	
BOEING	B-747-400	RB.211-524H	870.0	652.0	99.5	98.8	103.8	
BOEING	B-747-SP	JT9D-7A	660.0	450.0	99.6	101.3	102.5	
BOEING	B-747-SP	JT9D-7A	701.0	465.0	102.0	101.1	102.9	
BOEING	B-747-SP	JT9D-7F	660.0	475.0	98.7	102.3	103.8	
BOEING	B-747-SP	JT9D-7J	696.0	475.0	99.8	103.5	103.8	
BOEING	B-747-SP	JT9D-7J	702.0	450.0	100.1	103.3	103.2	
BOEING	B-747-SP	JT9D-7J	702.0	475.0	100.1	103.3	103.8	
BOEING	B-747-SP	RB.211-524B2	696.0	450.0	99.5	99.8	103.2	
BOEING	B-747-SP	RB.211-524D4	702.0	410.0	99.2	99.8	107.0	
BOEING	B-747-SR	CF6-45A2	571.0	564.0	98.4	93.2	105.4	
BOEING	B-747-SR	JT9D-7A	610.0	564.0	101.8	101.6	106.9	*
BOEING	B-757-200	PW 2037	220.0	198.0	86.2	94.0	97.7	
BOEING	B-757-200	PW 2037	255.5	210.0	91.4	93.7	98.1	
BOEING	B-757-200	PW 2040	220.0	198.0	84.6	94.5	97.7	
BOEING	B-757-200	PW 2040	255.5	210.0	89.7	94.2	98.1	

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STAGE 3
TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
BOEING	B-757-200	RB.211-535-E4	220.0	198.0	82.2	93.3	95.0	
BOEING	B-757-200	RB.211-535-E4	255.5	210.0	86.8	93.0	95.2	
BOEING	B-757-200	RB.211-535C	220.0	198.0	85.5	94.0	100.3	
BOEING	B-757-200	RB.211-535C	240.0	210.0	88.1	93.8	99.6	
BOEING	B-757-200	RB.211-535E4-B	220.0	198.0	81.3	94.4	95.0	
BOEING	B-757-200	RB.211-535E4-B	255.5	210.0	85.7	94.1	95.2	
BOEING	B-767-200	CF6-80A	279.9	257.0	84.9	95.5	101.4	
BOEING	B-767-200	CF6-80A	360.0	300.0	92.8	94.8	101.7	
BOEING	B-767-200	CF6-80A2	279.9	257.0	84.2	97.2	101.4	
BOEING	B-767-200	CF6-80A2	360.0	300.0	91.7	96.5	101.7	
BOEING	B-767-200	CF6-80C2-B2	300.0	270.0	85.2	94.1	95.7	
BOEING	B-767-200	CF6-80C2-B2	351.0	300.0	89.5	93.7	96.4	
BOEING	B-767-200	CF6-80C2-B4	351.0	270.0	87.7	95.3	95.7	
BOEING	B-767-200	CF6-80C2-B4	387.0	300.0	90.6	95.0	96.4	
BOEING	B-767-200	JT9D-7R4D(A)	282.0	257.0	87.7	95.7	101.8	
BOEING	B-767-200	JT9D-7R4D(A)	351.0	300.0	95.1	95.2	102.7	
BOEING	B-767-200	JT9D-7R4D(B)	282.0	257.0	88.4	95.9	101.9	
BOEING	B-767-200	JT9D-7R4D(B)	360.0	300.0	96.2	95.3	102.6	
BOEING	B-767-200	JT9D-7R4E	282.0	257.0	87.5	96.8	101.9	
BOEING	B-767-200	JT9D-7R4E	360.0	300.0	95.4	96.2	102.6	

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STAGE 3
TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
BOEING	B-767-200	PW 4056	400.0	300.0	93.7	95.5	98.6	
BOEING	B-767-200	PW4052	335.0	270.0	89.4	95.0	97.8	
BOEING	B-767-200	PW4052	351.0	285.0	90.9	94.9	98.2	
BOEING	B-767-200	PW4056	340.0	270.0	88.5	96.0	97.8	
BOEING	B-767-300	CF6-80A	300.0	280.0	87.5	95.2	101.7	
BOEING	B-767-300	CF6-80A	351.0	320.0	92.0	94.9	101.7	
BOEING	B-767-300	CF6-80A2	300.0	280.0	86.7	96.9	101.7	
BOEING	B-767-300	CF6-80A2	351.0	320.0	91.2	96.5	101.7	
BOEING	B-767-300	CF6-80C2-B4	380.0	280.0	90.2	95.3	96.5	
BOEING	B-767-300	CF6-80C2-B4	407.0	320.0	92.1	95.2	98.4	
BOEING	B-767-300	CF6-80C2-B6	380.0	280.0	89.2	96.4	96.5	
BOEING	B-767-300	CF6-80C2-B6	407.0	320.0	91.1	96.3	98.4	
BOEING	B-767-300	CF6-80C2B2	288.7	280.0	83.1	94.3	96.5	
BOEING	B-767-300	CF6-80C2B6F	380.0	280.0	89.1	96.1	96.6	
BOEING	B-767-300	CF6-80C2B6F	407.0	320.0	90.9	96.0	98.5	
BOEING	B-767-300	JT9D-7R4D(B)	300.0	280.0	91.0	95.7	102.3	
BOEING	B-767-300	JT9D-7R4D(B)	351.0	320.0	95.7	95.4	103.0	
BOEING	B-767-300	JT9D-7R4E	300.0	280.0	90.0	96.5	102.3	
BOEING	B-767-300	JT9D-7R4E	351.0	320.0	95.0	96.2	103.0	
BOEING	B-767-300	PW 4056	380.0	280.0	92.0	96.0	98.8	

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STAGE 3
TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
BOEING	B-767-300	PW 4056	407.0	320.0	94.2	95.7	100.2	
BOEING	B-767-300	PW 4060	407.0	320.0	93.2	97.0	100.2	
BOEING	B-767-300	PW4060	380.0	280.0	91.2	97.2	98.8	
BOEING	B-767-300	RB.211-524G	340.0	280.0	89.4	94.3	98.5	
BOEING	B-767-300	RB.211-524G	407.0	320.0	93.8	94.0	99.8	
BOEING	B-767-300	RB.211-524H	340.0	280.0	88.7	95.2	98.5	
BOEING	B-767-300	RB.211-524H	407.0	320.0	92.9	94.8	99.8	
CANADAIR	CL-600	ALF-502	36.0	33.0	81.6	89.3	91.2	*
CANADAIR	CL-601 CHALLENGER	CF34-1A	42.1	36.0	79.4	84.9	89.4	*
CESSNA	500 CITATION	JT15D-1	10.3	9.9	76.4	86.1	87.7	*
CESSNA	500/501 CITATION I	JT15D-1/-1A	11.8	11.3	78.0	86.2	87.9	*
CESSNA	550 CITATION II	JT15D-4	13.3	12.7	80.1	86.7	90.5	*
CESSNA	550 CITATION II	JT15D-4	14.1	13.5	71.6	86.4	90.5	
CESSNA	551 CITATION II	JT15D-4	12.5	12.0	80.1	86.7	90.5	*
CESSNA	552	JT15D-5	15.5	14.3	89.3	94.7	88.5	*
CESSNA	560 CITATION V	JT15D-5A	15.9	15.2	83.7	94.7	88.9	
CESSNA	560 CITATION V	JT15D-5A	16.3	15.2	84.6	94.6	88.9	
CESSNA	650 CITATION III	TFE731-3B-100S	21.0	17.0	84.9	92.5	92.4	
CESSNA	650 CITATION III	TFE731-3B-100S	22.0	20.0	80.1	92.4	93.8	22
CESSNA	S550 CITATION S/II	JT15D-4B	14.7	14.0	87.9	91.6	85.1	*

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TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
CESSNA	S550 CITATION S/II	JT15D-4B	15.1	14.4	80.0	91.3	86.2	
DASSAULT BREGUET	FALCON 10	TFE731-2	18.3	17.2	82.9	86.4	95.3	
DASSAULT BREGUET	FALCON 10	TFE731-2-1C	19.3	17.6	81.6	86.2	95.4	
DASSAULT BREGUET	FALCON 20-C5/D5/E5	TFE-731-5AR-1C	29.1	27.8	80.3	90.7	90.7	34
DASSAULT BREGUET	FALCON 20-C5/D5/E5	TFE731-5AR-2C	29.1	27.8	82.9	88.4	90.7	
DASSAULT BREGUET	FALCON 20-F5	TFE-731-5AR-1C	29.1	27.8	79.3	90.9	90.0	34
DASSAULT BREGUET	FALCON 20-F5	TFE731-5AR-2C	29.1	27.8	81.8	88.6	90.0	
DASSAULT BREGUET	FALCON 20-G	ATF3-6-2C	32.0	27.6	87.5	88.3	95.9	
DASSAULT BREGUET	FALCON 200 MYSTERE	ATF3-6-4C	32.0	27.6	83.9	89.0	93.9	
DASSAULT BREGUET	FALCON 200 MYSTERE	ATF3-6A-4C	32.0	28.9	83.9	89.0	94.2	
DASSAULT BREGUET	FALCON 50	TFE731-2	38.8	35.7	84.3	91.6	97.4	
DASSAULT BREGUET	FALCON 50	TFE731-3-1C	40.8	35.7	84.8	91.5	97.1	
DASSAULT BREGUET	FALCON 900	TFE731-5AR-1C	45.5	42.0	81.9	89.5	91.7	
DASSAULT BREGUET	FALCON 900B	TFE731-5BR-1C	46.5	42.0	80.7	91.2	91.7	
FOKKER	F100	TAY MK650-15	98.0	88.0	81.8	91.7	93.0	
GULFSTREAM	G-IV	TAY 611-8	73.2	58.5	76.8	87.3	91.0	
GULFSTREAM	G-IV GULFSTREAM	TAY 610-8	71.7	58.5	79.0	86.5	91.0	
ISRAEL AIRCRAFT	1124 WESTWIND	TFE731-3-1G	22.9	19.0	81.2	88.4	93.0	
ISRAEL AIRCRAFT	1124A WESTWIND 2	TFE731-3-1G	23.5	19.0	85.4	88.7	92.8	*
ISRAEL AIRCRAFT	1125 ASTRA	TFE731-3A-200G	23.5	20.7	82.3	89.8	89.8	

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TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
ISRAEL AIRCRAFT	1125 ASTRA	TFE731-3A-200G	24.7	20.7	84.1	89.7	89.8	
LEARJET	31	TFE731-2-3B	15.5	15.3	79.6	87.2	92.6	
LEARJET	31	TFE731-2-3B	16.5	15.3	81.0	87.0	92.6	*
LEARJET	35/36	TFE731-2-2B	17.0	14.3	84.0	86.9	92.2	*
LEARJET	35/36	TFE731-2-2B	18.0	14.3	84.5	87.9	92.2	*
LEARJET	35A	TFE731-2-2B	18.0	14.3	83.6	87.4	91.3	*
LEARJET	35A/36A	TFE731-2-2B	18.0	14.3	78.7	87.4	91.3	
LEARJET	35A/36A	TFE731-2-2B	18.3	15.3	79.2	86.7	91.4	
LEARJET	36A	TFE731-2-2B	18.3	15.3	83.9	87.8	91.4	*
LEARJET	55	TFE731-3A-2B	19.5	17.0	84.2	90.9	90.6	*
LEARJET	55	TFE731-3A-2B	21.0	17.0	85.5	90.7	90.6	*
LEARJET	55B	TFE731-3A-2B	21.5	18.0	86.3	90.7	91.0	
LEARJET	55C	TFE731-3AR-2B	21.0	18.0	86.2	91.0	92.4	*
LEARJET	55C	TFE731-3AR-2B	21.5	18.0	86.7	90.9	92.4	*
LEARJET	M55C	TFE731-3AR-3B	21.0	17.0	86.7	91.5	92.4	*
LEARJET	M55C	TFE731-3AR-3B	21.5	17.0	87.0	91.4	92.4	*
LOCKHEED	L-1011	RB.211-22B	430.0	358.0	95.9	95.1	102.8	5 *
LOCKHEED	L-1011-1	RB.211-22B	430.0	358.0	96.0	95.0	102.8	5 *
LOCKHEED	L-1011-100	RB.211-22B	466.0	368.0	98.5	94.9	102.8	5 *
LOCKHEED	L-1011-200	RB.211-524B	466.0	368.0	98.1	97.9	101.4	5 *

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TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
LOCKHEED	L-1011-500	RB.211-524B	496.0	368.0	98.4	97.8	101.5	5 *
LOCKHEED	L-1011-500	RB.211-524B3	496.0	368.0	97.4	96.7	100.3	5 *
LOCKHEED	L-1011-500	RB.211-524B3	504.0	368.0	98.0	96.9	100.2	5 *
LOCKHEED	L-1011-500	RB.211-524B4	510.0	368.0	99.3	96.4	102.0	*
LOCKHEED	L1011-385-1-14/15	RB.211-22B	474.0	368.0	98.6	94.1	102.8	
LOCKHEED	L1011-385-1-14/15	RB.211-524B4	466.0	368.0	97.9	95.9	103.3	*
MCDONNELL DOUGLAS	DC-08-62 (BAC R-1)	JT3D-3B	350.0	240.0	100.5	101.2	100.2	6
MCDONNELL DOUGLAS	DC-08-62 (BAC/MGM)	JT3D-3B	348.0	240.0	100.5	101.2	100.7	6
MCDONNELL DOUGLAS	DC-08-63 (BAC R-1)	JT3D-7	355.0	275.0	98.9	101.4	103.0	6
MCDONNELL DOUGLAS	DC-08-63 (BAC/MGM)	JT3D-7	353.0	275.0	98.9	101.4	103.0	6
MCDONNELL DOUGLAS	DC-08-71	CFM-56-2C5	325.0	240.0	94.3	92.9	98.3	*
MCDONNELL DOUGLAS	DC-08-71	CFM56-2-C1	325.0	240.0	94.3	92.9	98.3	*
MCDONNELL DOUGLAS	DC-08-71	CFM56-2-C1	328.0	258.0	94.5	92.9	98.6	*
MCDONNELL DOUGLAS	DC-08-72	CFM56-2-C1	335.0	240.0	94.4	92.9	98.1	*
MCDONNELL DOUGLAS	DC-08-72	CFM56-2-C1	350.0	250.0	95.2	92.8	98.2	*
MCDONNELL DOUGLAS	DC-08-73	CFM56-2-C1	355.0	258.0	95.7	92.8	98.3	*
MCDONNELL DOUGLAS	DC-08-73	CFM56-2-C1	355.0	275.0	95.7	92.8	98.5	*
MCDONNELL DOUGLAS	DC-09-10 (ABS)	JT8D-7/7A/7B	90.7	81.7	87.2	96.4	95.0	6
MCDONNELL DOUGLAS	DC-09-30 (ABS)	JT8D-9	103.0	99.0	89.7	96.8	96.0	6
MCDONNELL DOUGLAS	DC-09-30 (ABS)	JT8D-9	105.0	101.0	90.3	96.7	96.1	6

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MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
MCDONNELL DOUGLAS	DC-10-10	CF6-6D	410.0	347.8	97.4	97.0	104.9	*
MCDONNELL DOUGLAS	DC-10-10	CF6-6D	455.0	363.5	101.8	96.0	105.5	*
MCDONNELL DOUGLAS	DC-10-10	CF6-6D1	430.0	363.5	98.1	97.0	105.5	*
MCDONNELL DOUGLAS	DC-10-10	CF6-6D1	455.0	363.5	100.2	96.6	105.5	*
MCDONNELL DOUGLAS	DC-10-10	CF6-6D1A	430.0	363.5	98.1	97.0	105.5	*
MCDONNELL DOUGLAS	DC-10-10	CF6-6D1A	455.0	363.5	100.2	96.6	105.5	*
MCDONNELL DOUGLAS	DC-10-10	CF6-6K	410.0	347.8	96.8	96.3	103.3	*
MCDONNELL DOUGLAS	DC-10-10	CF6-6K	455.0	363.5	100.9	95.5	103.8	*
MCDONNELL DOUGLAS	DC-10-10	CF6-6K2	430.0	347.8	97.4	96.5	103.3	*
MCDONNELL DOUGLAS	DC-10-10	CF6-6K2	455.0	363.5	99.3	96.1	103.8	*
MCDONNELL DOUGLAS	DC-10-15	CF6-50C2-F	455.0	363.5	93.8	95.6	103.1	
MCDONNELL DOUGLAS	DC-10-30	CF6-50C/H	555.0	403.0	101.6	97.5	106.3	
MCDONNELL DOUGLAS	DC-10-30	CF6-50C/H	572.0	411.0	102.3	97.5	106.6	
MCDONNELL DOUGLAS	DC-10-30	CF6-50C1	572.0	403.0	102.1	98.3	106.3	
MCDONNELL DOUGLAS	DC-10-30	CF6-50C1	590.0	411.0	103.0	98.0	106.6	
MCDONNELL DOUGLAS	DC-10-30	CF6-50C2	555.0	403.0	96.8	97.8	105.0	
MCDONNELL DOUGLAS	DC-10-30	CF6-50C2	555.0	424.0	96.8	97.8	106.0	15
MCDONNELL DOUGLAS	DC-10-30	CF6-50C2	590.0	411.0	99.0	97.9	105.3	
MCDONNELL DOUGLAS	DC-10-30	CF6-50C2	590.0	436.0	99.0	97.7	106.4	15
MCDONNELL DOUGLAS	DC-10-30	CF6-50C2-B	555.0	403.0	96.1	98.4	105.0	

APPENDIX 3
STAGE 3
TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
MCDONNELL DOUGLAS	DC-10-30	CF6-50C2-B	555.0	424.0	96.1	98.4	106.0	15
MCDONNELL DOUGLAS	DC-10-30	CF6-50C2-B	572.0	424.0	97.4	98.5	106.0	15
MCDONNELL DOUGLAS	DC-10-30	CF6-50C2-B	590.0	411.0	98.7	98.5	105.3	
MCDONNELL DOUGLAS	DC-10-30	CF6-50C2-R	555.0	403.0	97.5	97.2	105.0	
MCDONNELL DOUGLAS	DC-10-30	CF6-50C2-R	572.0	421.0	98.4	97.3	105.8	
MCDONNELL DOUGLAS	DC-10-40	JT9D-20D	530.0	403.0	100.8	95.2	105.7	*
MCDONNELL DOUGLAS	DC-10-40	JT9D-59A	555.0	403.0	101.4	98.0	106.4	*
MCDONNELL DOUGLAS	MD-11	CF6-80C2	602.5	430.0	92.8	96.3	103.6	
MCDONNELL DOUGLAS	MD-11	CF6-80C2	618.0	471.5	93.9	96.3	104.3	
MCDONNELL DOUGLAS	MD-11	PW4460	602.5	430.0	94.1	96.1	103.5	
MCDONNELL DOUGLAS	MD-11	PW4460	618.0	471.5	95.2	96.1	104.0	
MCDONNELL DOUGLAS	MD-80	JT8D-209	140.0	128.0	88.9	94.7	92.8	10
MCDONNELL DOUGLAS	MD-80	JT8D-209	149.5	130.0	91.1	94.5	92.9	10
MCDONNELL DOUGLAS	MD-80	JT8D-217	142.0	130.0	88.2	96.1	92.9	10
MCDONNELL DOUGLAS	MD-80	JT8D-217	149.5	130.0	89.7	95.8	92.9	10
MCDONNELL DOUGLAS	MD-80	JT8D-217A	160.0	150.0	92.0	95.9	93.7	* 10
MCDONNELL DOUGLAS	MD-80	JT8D-217C	160.0	150.0	91.5	96.3	93.7	10
MCDONNELL DOUGLAS	MD-80	JT8D-219	140.0	128.0	86.7	97.3	92.8	10
MCDONNELL DOUGLAS	MD-80	JT8D-219	149.5	130.0	88.6	97.1	92.9	10
MCDONNELL DOUGLAS	MD-80	JT8D-219	160.0	150.0	90.8	97.2	93.7	10

APPENDIX 3
STAGE 3
TURBOJET POWERED AIRCRAFT

MANUFACTURER	MODEL	ENGINE MODEL	MTOW	MLW	NOISE LEVELS EPNdB			NOTES
			1000#	1000#	TAKEOFF	SIDELINE	APPROACH	
MCDONNELL DOUGLAS	MD-87	JT8D-217A	125.0	120.0	84.3	96.4	92.9	10
MCDONNELL DOUGLAS	MD-87	JT8D-217A	149.5	130.0	89.7	95.9	93.3	10
MCDONNELL DOUGLAS	MD-87	JT8D-217C	125.0	120.0	84.1	96.5	92.9	10
MCDONNELL DOUGLAS	MD-87	JT8D-217C	149.5	130.0	89.2	96.2	93.3	10
MCDONNELL DOUGLAS	MD-87	JT8D-219	140.0	128.0	86.5	97.1	93.3	10
MCDONNELL DOUGLAS	MD-87	JT8D-219	149.5	130.0	88.5	97.1	93.3	10
MITSUBISHI	MU-300 (DIAMOND I)	JT15D-4	14.1	13.2	86.3	88.0	85.8	*
MITSUBISHI	MU-300 (DIAMOND I)	JT15D-4D	15.5	13.2	81.2	88.4	85.8	
MITSUBISHI	MU-300-10 (DIAM. II)	JT15D-5	15.8	14.2	88.6	93.7	91.4	*
SABRELINER	SABRELINER 65	TFE731-3R	22.7	21.8	82.3	93.1	90.6	*
SABRELINER	SABRELINER 65	TFE731-3R	24.0	21.8	84.0	93.0	90.6	*

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-747-200	767.00	JT9D-3A	10	110.0	* **
BOEING	B-747-200	800.00	JT9D-7F	10	109.7	* **
BOEING	B-747-200	812.00	JT9D-7FW/-7J	10	109.7	* **
BOEING	B-747-100	734.00	JT9D-3A	10	109.4	* **
BOEING	B-747-200	805.00	JT9D-7FW	10	109.4	* **
BOEING	B-747-200	785.00	JT9D-7A	10	109.3	* **
BOEING	B-747-200	800.00	JT9D-7J	10	109.3	* **
BOEING	B-747-200	773.00	JT9D-3AWET	10	109.1	* **
BOEING	B-747-200	770.00	JT9D-7	10	108.9	* **
BOEING	B-747-200	785.00	JT9D-7WET	10	108.7	* **
BOEING	B-747-100	750.00	JT9D-7A	10	107.8	* **
BOEING	B-747-100	750.00	JT9D-7F	10	107.7	* **
BOEING	B-747-100	750.00	JT9D-7FW	10	107.6	* **
BOEING	B-747-100	750.00	JT9D-7WET	10	107.4	* **
BOEING	B-747-200	833.00	RB.211-524C2	10	106.5	*
BOEING	B-707-300B ADV/C SHN	322.30	JT3D-1-3B(IC)	14	105.5	6,21,**
BOEING	B-747-200	820.00	RB.211-524B/B2	10	105.5	**
BOEING	B-747-300	820.00	RB.211-524B2	10	105.5	**
MCDONNELL DOUGLAS	DC-08-55 QNC PLS QN	320.30	JT3D-3B		105.5	6,26,**
MCDONNELL DOUGLAS	DC-08-61 QNC PLS QN	320.30	JT3D-3B		105.5	6,**
MCDONNELL DOUGLAS	DC-08-53 QNC PLS QN	318.00	JTD3D-3B		105.3	6,26,**
MCDONNELL DOUGLAS	DC-08-53 (QNC QN)	306.80	JT3D	15	105.2	6,**
MCDONNELL DOUGLAS	DC-08-55 (QNC QN)	309.80	JT3D-3B	15	105.2	6,26,**
MCDONNELL DOUGLAS	DC-08-61 (QNC QN)	309.80	JT3D-3B	15	105.2	6,26,**
MCDONNELL DOUGLAS	DC-08-61F (QNC QN)	309.80	JT3D-3B	15	105.2	6,26,**

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
MCDONNELL DOUGLAS	DC-08F-54 (QNC QN)	309.80	JT3D-3B	15	105.2	6,26,**
MCDONNELL DOUGLAS	DC-08F-54 QNC PLS QN	315.00	JT3D-3B		105.2	6,**
MCDONNELL DOUGLAS	DC-08F-55 (QNC QN)	309.80	JT3D-3B	15	105.2	6,26,**
MCDONNELL DOUGLAS	DC-08F-55 QNC PLS QN	317.80	JT3D-3B		105.2	6,26,**
BOEING	B-747-100	734.00	JT9D-7	10	105.1	29
MCDONNELL DOUGLAS	DC-08-53 (QNC QN)	315.00	JT3D-3B		104.9	6,**
MCDONNELL DOUGLAS	DC-08-63 W/ADC QN	355.00	JT3D-3B	12	104.8	6,**
BOEING	B-707-300B ADV/C SHN	330.00	JT3D-7		104.7	6,**
BOEING	B-707-300B ADV/C SHN	321.00	JT3D-3B		104.5	6,**
BOEING	B-747-100	750.00	RB.211-524C2	10	104.5	* **
BOEING	B-707-300B ADV/C QNC	335.00	JT3D-3B		104.4	6,**
MCDONNELL DOUGLAS	DC-08-62 W/ADC QN	350.00	JT3D-3B	12	104.3	6,**
MCDONNELL DOUGLAS	DC-08-63 W/ADC QN	355.00	JT3D-7	12	104.1	6,**
BOEING	B-747-200	833.00	RB.211-524D4	10	103.9	
BOEING	B-747-300	833.00	RB.211-524D4	10	103.9	**
MCDONNELL DOUGLAS	DC-08-62 W/TNC QN	350.00	JT3D-3B	12	103.9	6,**
MCDONNELL DOUGLAS	DC-08-63 W/TNC QN	350.00	JT3D-3B	12	103.9	6,**
BOEING	B-707-100B (QNC)	258.00	JT3D-3B		103.8	6,**
MCDONNELL DOUGLAS	DC-08-63 W/TNC QN	355.00	JT3D-7	12	103.8	6,**
MCDONNELL DOUGLAS	DC-08-52 (QNC QN)	300.00	JT3D-3B	15	103.7	6,26,**
MCDONNELL DOUGLAS	DC-08-55 W/BAC QN	325.00	JT3D-3B	15	103.7	6,**
MCDONNELL DOUGLAS	DC-08-61 W/BAC QN	325.00	JT3D-3B	15	103.7	6,**
BOEING	B-707-120B (SHANNON)	258.00	JT3D-1		103.5	21,**
BOEING	B-707-100B (QNC)	241.30	JT3D-1		103.4	6,**
MCDONNELL DOUGLAS	DC-08-62 W/ADC QN	350.00	JT3D-7	12	103.4	6,**

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-707-138B (SHANNON)	258.00	JT3D-1		103.2	21,**
MCDONNELL DOUGLAS	DC-10-30	590.00	CF6-50C1	10	103.0	
MCDONNELL DOUGLAS	DC-08-52 QNC PLS QN	300.00	JT3D-3B		102.9	6,26,**
MCDONNELL DOUGLAS	DC-08-62 W/TNC QN	355.00	JT3D-7	12	102.7	6,**
MCDONNELL DOUGLAS	DC-10-30	565.00	CF6-50A	5	102.7	*
BOEING	B-747-200	833.00	CF6-50E2	10	102.6	
BOEING	B-747-200	820.00	CF6-50E	10	102.5	
BOEING	B-727-200	208.00	JT8D-17RQN	5	102.4	2,20
BOEING	B-747-200	833.00	JT9D-7R4G2	10	102.4	**
BOEING	B-747-300	833.00	JT9D-7R4G2	10	102.4	
BOEING	B-720B (QNC)	234.00	JT3D-1		102.3	6,**
MCDONNELL DOUGLAS	DC-08-53 W/BAC QN	315.00	JT3D-3B	15	102.3	6,**
MCDONNELL DOUGLAS	DC-08-54 W/BAC QN	315.00	JT3D-3B	15	102.3	6,**
MCDONNELL DOUGLAS	DC-10-30	572.00	CF6-50C/H	10	102.3	
BOEING	B-727-200	203.10	JT8D-17QN	5	102.0	2,19
BOEING	B-747-SP	701.00	JT9D-7A	10	102.0	
MCDONNELL DOUGLAS	DC-08-51 QNC PLS QN	276.00	JT3D-1		101.9	6,**
BOEING	B-747-SR	610.00	JT9D-7A	10	101.8	*
MCDONNELL DOUGLAS	DC-10-10	455.00	CF6-6D	0	101.8	*
BOEING	B-747-300	800.00	CF6-50E2	10	101.6	
BOEING	B-727-200	184.80	JT8D-9QN	15	101.5	2,17
BOEING	B-747-400	870.00	PW 4056	10	101.5	
MCDONNELL DOUGLAS	DC-10-40	555.00	JT9D-59A	10	101.4	*
MCDONNELL DOUGLAS	DC-08-51 (QNC QN)	286.00	JT3D-3B	15	101.3	6,26,**
BOEING	B-747-200	820.00	JT9D-70A	10	101.1	

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-747-400	870.00	RB.211-524G	10	100.9	
MCDONNELL DOUGLAS	DC-08-52 W/BAC QN	305.00	JT3D-3B	15	100.9	6,**
MCDONNELL DOUGLAS	DC-10-10	455.00	CF6-6K	0	100.9	*
MCDONNELL DOUGLAS	DC-10-40	530.00	JT9D-20D	10	100.8	*
BOEING	B-727-200	178.00	JT8D-9FCD	5	100.7	3,17
MCDONNELL DOUGLAS	DC-08-51 QNC PLS QN	286.00	JT3D-3B		100.7	6,26,**
MCDONNELL DOUGLAS	DC-08-62 (BAC R-1)	350.00	JT3D-3B	12	100.5	6
MCDONNELL DOUGLAS	DC-08-62 (BAC/MGM)	348.00	JT3D-3B	12	100.5	6
BOEING	B-747-300	820.00	JT9D-70A	10	100.2	**
MCDONNELL DOUGLAS	DC-10-10	455.00	CF6-6D1	4	100.2	*
MCDONNELL DOUGLAS	DC-10-10	455.00	CF6-6D1A	4	100.2	*
BOEING	B-747-SP	702.00	JT9D-7J	10	100.1	
BOEING	B-727-200	172.50	JT8D-7QN	15	100.0	2,16
BOEING	B-727-200	190.50	JT8D-15QN	5	100.0	2,18
BOEING	B-727-200	177.60	JT8D-7FCD	5	99.8	3,16
BOEING	B-747-400	870.00	CF6-80C2		99.7	
BOEING	B-747-400	870.00	CF6-80C2B1F	10	99.7	
BOEING	B-747-400	870.00	RB.211-524H	10	99.5	
BOEING	B-747-SP	696.00	RB.211-524B2	10	99.5	
MCDONNELL DOUGLAS	DC-08-51 W/BAC QN	276.00	JT3D-1		99.5	6,**
BOEING	B-720B (QNC)	234.00	JT3D-3B		99.3	6,**
LOCKHEED	L-1011-500	510.00	RB.211-524B4	10	99.3	*
MCDONNELL DOUGLAS	DC-10-10	455.00	CF6-6K2	4	99.3	*
BOEING	B-747-SP	702.00	RB.211-524D4	10	99.2	
BOEING	B-747-300	833.00	CF6-80C2B1	10	99.0	

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
MCDONNELL DOUGLAS	DC-10-30	590.00	CF6-50C2	15	99.0	
BOEING	B-720B (SHANNON)	234.00	JT3D-1		98.9	6,**
MCDONNELL DOUGLAS	DC-08-63 (BAC R-1)	355.00	JT3D-7	12	98.9	6
MCDONNELL DOUGLAS	DC-08-63 (BAC)	353.00	JT3D-7	12	98.9	6,**
MCDONNELL DOUGLAS	DC-08-63 (BAC/MGM)	353.00	JT3D-7	12	98.9	6
BOEING	B-747-SP	660.00	JT9D-7F	10	98.7	
MCDONNELL DOUGLAS	DC-10-30	590.00	CF6-50C2-B	15	98.7	
LOCKHEED	L1011-385-1-14/15	474.00	RB.211-22B	4	98.6	
BOEING	B-727-100	169.50	JT8D-1FCD	5	98.5	3
LOCKHEED	L-1011-100	466.00	RB.211-22B	10	98.5	5 *
BOEING	B-747-SR	571.00	CF6-45A2	10	98.4	
LOCKHEED	L-1011-500	496.00	RB.211-524B	14	98.4	5 *
MCDONNELL DOUGLAS	DC-08-51 W/BAC QN	286.00	JT3D-3B		98.4	6,**
MCDONNELL DOUGLAS	DC-10-30	572.00	CF6-50C2-R	10	98.4	
BOEING	B-727-100	169.50	JT8D-9FCD	5	98.3	3,17
LOCKHEED	L-1011-200	466.00	RB.211-524B	10	98.1	5 *
MCDONNELL DOUGLAS	DC-09-50	121.00	JT8D-17	0	98.1	1
LOCKHEED	L-1011-500	504.00	RB.211-524B3	22	98.0	5 *
MCDONNELL DOUGLAS	DC-09-34	121.00	JT8D-17	0	98.0	1
BOEING	B-727-100	169.50	JT8D-7FCD	5	97.9	3,16
LOCKHEED	L1011-385-1-14/15	466.00	RB.211-524B4	10	97.9	*
MCDONNELL DOUGLAS	DC-09-34	121.00	JT8D-15	0	97.8	1
MCDONNELL DOUGLAS	DC-09-50	121.00	JT8D-15	0	97.8	1
BOEING	B-737-200 ADV.	128.10	JT8D-15QN	1	97.7	2,18
BOEING	B-720B (SHANNON)	234.00	JT3D-3B		97.3	6,**

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
MCDONNELL DOUGLAS	DC-09-30	114.00	JT8D-9	0	97.1	1
BOEING	B-737-200 ADV.	128.10	JT8D-17QN	1	97.0	2,19
BOEING	B-727-200 (FED. EX.)	177.60	JT8D-7/A/B	5	96.9	6,27
BOEING	B-737-200 ADV.	122.50	JT8D-9QN	1	96.9	2,17
MCDONNELL DOUGLAS	DC-09-40	114.00	JT8D-11	0	96.8	1
BOEING	B-767-200	360.00	JT9D-7R4D(B)	1	96.2	
MCDONNELL DOUGLAS	DC-09-34	110.00	JT8D-9	0	96.1	1
LOCKHEED	L-1011-1	430.00	RB.211-22B	10	96.0	5 *
LOCKHEED	L-1011	430.00	RB.211-22B	14	95.9	5 *
MCDONNELL DOUGLAS	DC-09-30	110.00	JT8D-7	0	95.9	1
MCDONNELL DOUGLAS	DC-09-30	114.00	JT8D-15	0	95.8	1
MCDONNELL DOUGLAS	DC-09-40	114.00	JT8D-15	0	95.8	1
BAe	1-11 400	89.50	SPEY511-14/14W	0	95.7	12
BOEING	B-727-200 (FED. EX.)	172.60	JT8D-7B(A)(B)	5	95.7	6,27
BOEING	B-767-300	351.00	JT9D-7R4D(B)	5	95.7	
MCDONNELL DOUGLAS	DC-08-73	355.00	CFM56-2-C1	12	95.7	*
BOEING	B-737-200 NON-ADV.	117.00	JT8D-9QN	1	95.5	2,17
BOEING	B-767-200	360.00	JT9D-7R4E	1	95.4	
MCDONNELL DOUGLAS	DC-08-72	350.00	CFM56-2-C1	12	95.2	*
MCDONNELL DOUGLAS	MD-11	618.00	PW4460	10	95.2	
BOEING	B-767-200	351.00	JT9D-7R4D(A)	1	95.1	
MCDONNELL DOUGLAS	DC-09-30	108.00	JT8D-7A	0	95.1	1
BOEING	B-767-300	351.00	JT9D-7R4E	5	95.0	
SABRELINER	SABRELINER 60	20.20	JT12A-8		95.0	*
BOEING	B-737-200 NON-ADV.	109.00	JT8D-7QN	1	94.7	2,16

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-727-200RE(VALSAN)	209.50	JT8D-17A/217C		94.5	6,23
MCDONNELL DOUGLAS	DC-08-71	328.00	CFM56-2-C1	15	94.5	*
SABRELINER	SABRELINER 40	20.20	JT12A-8	0	94.5	
BOEING	B-727-100 (FED. EX.)	169.50	JT8D-7(A)(B)	5	94.4	6,28
SABRELINER	SABRELINER 60A/60SC	22.70	JT12A-8	0	94.4	
MCDONNELL DOUGLAS	DC-08-71	325.00	CFM-56-2C5		94.3	*
MCDONNELL DOUGLAS	DC-09-30	108.00	JT8D-17	0	94.3	1
BOEING	B-767-300	407.00	PW 4056	5	94.2	
BOEING	B-727-200 (FED. EX.)	169.50	JT8D-9/A	5	94.1	6,27
AIRBUS	A300B4-203	363.70	CF6-50-C2	0	94.0	31
BOEING	B-727-100 (FED. EX.)	169.50	JT8D-9/A	5	94.0	6,27
LEARJET	25C	15.00	CJ610-6	20	94.0	13
LEARJET	25D	15.00	CJ610-6	20	94.0	14
MCDONNELL DOUGLAS	MD-11	618.00	CF6-80C2	10	93.9	
BOEING	B-767-300	407.00	RB.211-524G	5	93.8	
MCDONNELL DOUGLAS	DC-10-15	455.00	CF6-50C2-F	5	93.8	
BOEING	B-767-200	400.00	PW 4056	1	93.7	
AIRBUS	A300B4-103	347.20	CF6-50-C2	16	93.6	
LEARJET	25	16.00	CJ610-6	10	93.5	
LEARJET	25B/C/D/F XR Dee Hwd	16.30	CJ610-6/8A	10	93.5	
BAe	1-11 200	80.00	SPEY 506-14	3	93.3	12
BOEING	B-767-300	407.00	PW 4060	5	93.2	
AIRBUS	A300B4-622R	385.00	PW-4158	0	93.1	
LOCKHEED	1329-25 (AIRESEARCH)	44.50	TFE731-3		93.1	* **
AIRBUS	A310-304	352.74	CF6-80C2A2	0	92.9	

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-767-300	407.00	RB.211-524H	5	92.9	
FOKKER	F28 MK4000	73.00	SPEY MK555-15P	6	92.9	
BOEING	B-767-200	360.00	CF6-80A	1	92.8	
LOCKHEED	1329-23 (AIRESEARCH)	43.80	TFE731-3-1E	20	92.7	* **
BOEING	B-727-100 (FED. EX.)	160.00	JT8D-7/A/B	5	92.5	6,28
GULFSTREAM	G-II GULFSTREAM	65.50	SPEY 511-8	10	92.5	12
BAe	HS 125-600A	25.50	VIPER 601-22	0	92.3	12
BOEING	B-727-200RE(VALSAN)	198.50	JT8D-17/217C		92.2	6,23
BOEING	B-767-300	407.00	CF6-80C2-B4	5	92.1	
BOEING	B-767-300	351.00	CF6-80A	5	92.0	
MCDONNELL DOUGLAS	MD-80	160.00	JT8D-217A	2	92.0	* 10
FOKKER	F28 MK4000	73.00	SPEY MK555-15H	6	91.9	
LEARJET	24D	13.50	CJ610-6	20	91.8	14
LEARJET	24/24D	13.50	CJ610-6	20	91.8	13
BOEING	B-767-200	360.00	CF6-80A2	1	91.7	
BOEING	B-727-200RE(VALSAN)	190.50	JT8D-15/217C		91.5	6,23
MCDONNELL DOUGLAS	MD-80	160.00	JT8D-217C	2	91.5	10
BOEING	B-757-200	255.50	PW 2037	5	91.4	
MCDONNELL DOUGLAS	DC-09-10	90.70	JT8D-7	10	91.4	24
MCDONNELL DOUGLAS	DC-09-10	90.70	JT8D-7/-7A	10	91.4	1
BOEING	B-767-300	351.00	CF6-80A2	5	91.2	
BOEING	B-767-300	380.00	PW4060	5	91.2	
SABRELINER	SABRELINER 80A/80SC	25.50	CF700-2D-2	0	91.2	*
AIRBUS	A300B2-203	313.10	CF6-50-C2	16	91.1	
AIRBUS	A300B4-605R	375.10	CF6-80-C2-A5		91.1	

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-767-300	407.00	CF6-80C2-B6	5	91.1	
GULFSTREAM	G-IIB/G-III	69.70	SPEY 511-8	10	91.1	12
MCDONNELL DOUGLAS	MD-80	149.50	JT8D-209	0	91.1	10
FOKKER	F28 MK3000	71.00	SPEY MK555-15H	6	91.0	
LEARJET	25/25B/C Raisb MK II	15.00	CJ610	10	91.0	
BOEING	B-767-200	351.00	PW4052	1	90.9	
BOEING	B-767-300	407.00	CF6-80C2B6F	5	90.9	
LEARJET	25D/25F	15.00	CJ610-6/8A	8	90.9	
MCDONNELL DOUGLAS	MD-80	160.00	JT8D-219	2	90.8	10
SABRELINER	SABRELINER 75A	23.00	CF700-2D-2	15	90.7	*
SABRELINER	SABRELINER 80	23.30	CF700-2D-2		90.7	*
AIRBUS	A310-324	330.69	PW-4152	15	90.6	
BOEING	B-767-200	387.00	CF6-80C2-B4	1	90.6	
AIRBUS	A300B4-203	313.05	CF6-50C2	0	90.5	31
AIRBUS	A310-221	305.60	JT9D-7R4D1	15	90.5	
MCDONNELL DOUGLAS	DC-09-30 (ABS)	105.00	JT8D-9	0	90.3	6
DASSAULT BREGUET	FALCON 20- /D/E	28.70	CF700-20-2	15	90.0	
DASSAULT BREGUET	FALCON 20-F	28.66	CF700-20-2	10	90.0	
FOKKER	F28 MK1000	65.00	SPEY MK555-15	6	90.0	
FOKKER	F28 MK2000	65.00	SPEY MK555-15	6	90.0	*
BOEING	B-757-200	255.50	PW 2040	5	89.7	
MCDONNELL DOUGLAS	MD-80	149.50	JT8D-217	0	89.7	10
MCDONNELL DOUGLAS	MD-87	149.50	JT8D-217A	1	89.7	10
BOEING	B-747-400	600.00	PW4056	10	89.5	
BOEING	B-767-200	351.00	CF6-80C2-B2	1	89.5	

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
CESSNA	552	15.50	JT15D-5	20	89.3	*
MCDONNELL DOUGLAS	MD-87	149.50	JT8D-217C	1	89.2	10
LEARJET	24 Raisbeck MK II	13.00	CJ610-1/-4	10	89.0	
BOEING	B-737-400	142.50	CFM56-3-B1	5	88.9	
BEECH	BEECHJET 400	15.78	JT15D-5	10	88.6	*
MITSUBISHI	MU-300-10 (DIAM. II)	15.78	JT15D-5	10	88.6	*
BOEING	B-767-200	340.00	PW4056	1	88.5	
MCDONNELL DOUGLAS	MD-87	149.50	JT8D-219	1	88.5	10
BOEING	B-757-200	240.00	RB.211-535C	5	88.1	
BAe	HS 125-600A	25.50	TFE731-3-1H	0	88.0	
BAe	HS 125-700A	25.50	TFE731-3-1H	0	88.0	33
LEARJET	23 Raisbeck MK II	12.50	CJ610-1/-4	10	88.0	
AIRBUS	A320-211	162.00	CFM56-5A1		87.8	
BOEING	B-737-400	150.00	CFM56-3B-2	5	87.7	
BOEING	B-737-500	132.80	CFM56-3-B1(R)	5	87.7	
LEARJET	24B/D Raisbeck MK II	13.50	CJ610	10	87.6	
BOEING	B-737-300	139.50	CFM56-3-B1	1	87.5	
DASSAULT BREGUET	FALCON 20-G	32.00	ATF3-6-2C	10	87.5	
BOEING	B-737-500	139.00	CFM56-3-B1	5	87.3	
MCDONNELL DOUGLAS	DC-09-10 (ABS)	90.70	JT8D-7/7A/7B	10	87.2	6
BOEING	B-737-400	150.00	CFM56-3C-1	5	87.1	
LEARJET	28/29	15.00	CJ610-8A	8	87.0	
LEARJET	M55C	21.50	TFE731-3AR-3B	20	87.0	*
BOEING	B-757-200	255.50	RB.211-535-E4	5	86.8	
LEARJET	55C	21.50	TFE731-3AR-2B	20	86.7	*

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
AIRBUS	A320-231	162.00	V2500.A1		86.6	
BAe	146-300A	97.50	ALF502R-5	18	86.5	
LEARJET	55B	21.50	TFE731-3A-2B	20	86.3	
MITSUBISHI	MU-300 (DIAMOND I)	14.10	JT15D-4	10	86.3	*
BAe	146-300A	95.00	ALF 502R-5	18	86.0	
BAe	146-200A	89.50	ALF502R-3	18	85.9	
LEARJET	24F	13.50	CJ610-6	8	85.8	
BOEING	B-737-300	139.50	CFM56-3B-2	1	85.7	
BOEING	B-757-200	255.50	RB.211-535E4-B	5	85.7	
BAe	HS 125-3A/RA	23.60	TFE731-3-1H	0	85.5	
BAe	HS 125-400A	23.60	TFE731-3-1H	0	85.5	
LEARJET	55	21.00	TFE731-3A-2B	8	85.5	*
ISRAEL AIRCRAFT	1124A WESTWIND 2	23.50	TFE731-3-1G	20	85.4	*
BAe	146-200A	93.00	ALF502R-5	18	85.2	
BAe	146-200A	89.50	ALF502R-3A	18	84.9	
DASSAULT BREGUET	FALCON 50	40.78	TFE731-3-1C	20	84.8	
CESSNA	560 CITATION V	16.30	JT15D-5A	7	84.6	
LEARJET	35/36	18.00	TFE731-2-2B	20	84.5	*
DASSAULT BREGUET	FALCON 50	38.80	TFE731-2	20	84.3	
LEARJET	24E	12.90	CJ610-6	8	84.3	
BAe	HS 125-1A	21.70	TFE731-3-1H	0	84.2	
BAe	HS 125-3A	21.70	TFE731-3-1H	0	84.2	
ISRAEL AIRCRAFT	1125 ASTRA	24.70	TFE731-3A-200G	12	84.1	
SABRELINER	SABRELINER 65	24.00	TFE731-3R		84.0	*
DASSAULT BREGUET	FALCON 200 MYSTERE	32.00	ATF3-6-4C	5	83.9	

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
DASSAULT BREGUET	FALCON 200 MYSTERE	32.00	ATF3-6A-4C	5	83.9	
LEARJET	36A	18.30	TFE731-2-2B	20	83.9	*
LEARJET	24F-A	12.50	CJ610-6	8	83.6	
LEARJET	35A	18.00	TFE731-2-2B	8	83.6	*
BOEING	B-767-300	288.70	CF6-80C2B2	5	83.1	
DASSAULT BREGUET	FALCON 10	18.30	TFE731-2	15	82.9	
DASSAULT BREGUET	FALCON 20-C5/D5/E5	29.10	TFE731-5AR-2C	15	82.9	
BAe	146-100A	82.25	ALF502R-3A	18	82.3	
DASSAULT BREGUET	FALCON 900	45.50	TFE731-5AR-1C	20	81.9	
BAe	125-1000	31.00	PW305	0	81.8	
BAe	146-100A	84.00	ALF502R-5	18	81.8	
DASSAULT BREGUET	FALCON 20-F5	29.10	TFE731-5AR-2C	10	81.8	
FOKKER	F100	98.00	TAY MK650-15	0	81.8	
CANADAIR	CL-600	36.00	ALF-502	20	81.6	*
DASSAULT BREGUET	FALCON 10	19.30	TFE731-2-1C	15	81.6	
BAe	C-29A	28.00	TFE731-5R-1H	0	81.4	
ISRAEL AIRCRAFT	1124 WESTWIND	22.90	TFE731-3-1G	20	81.2	
MITSUBISHI	MU-300 (DIAMOND I)	15.50	JT15D-4D	0	81.2	
LEARJET	31	16.50	TFE731-2-3B	8	81.0	*
BAe	125-800	27.40	TFE731-5R-1H	0	80.9	
BAe	125-800A	27.40	TFE731-5R-1H	0	80.9	25
BAe	146-100A	76.00	ALF502R-3	18	80.7	
DASSAULT BREGUET	FALCON 900B	46.50	TFE731-5BR-1C	20	80.7	
DASSAULT BREGUET	FALCON 20-C5/D5/E5	29.10	TFE-731-5AR-1C	15	80.3	34
CESSNA	550 CITATION II	13.30	JT15D-4	15	80.1	*

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

TAKEOFF

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
CESSNA	551 CITATION II	12.50	JT15D-4	15	80.1	*
CESSNA	650 CITATION III	22.00	TFE731-3B-100S	7	80.1	22
CESSNA	S550 CITATION S/II	15.10	JT15D-4B	7	80.0	
CANADAIR	CL-601 CHALLENGER	42.10	CF34-1A	20	79.4	*
DASSAULT BREGUET	FALCON 20-F5	29.10	TFE-731-5AR-1C	10	79.3	34
LEARJET	35A/36A	18.30	TFE731-2-2B	8	79.2	
GULFSTREAM	G-IV GULFSTREAM	71.70	TAY 610-8	20	79.0	
CESSNA	500/501 CITATION I	11.80	JT15D-1/-1A	15	78.0	*
GULFSTREAM	G-IV	73.20	TAY 611-8	10	76.8	
CESSNA	500 CITATION	10.30	JT15D-1	15	76.4	*
AEROSPATIALE	SN601 CORVETTE	14.60	JT15D-4	15	74.0	
CESSNA	550 CITATION II	14.10	JT15D-4	0	71.6	

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
MCDONNELL DOUGLAS	DC-08-63 W/ADC QN	355.00	JT3D-3B	50	108.3	6,**
MCDONNELL DOUGLAS	DC-08-63 W/ADC QN	355.00	JT3D-7	50	108.3	6,**
BOEING	B-707-300B ADV/C SHN	330.00	JT3D-7	25	108.3	6,**
MCDONNELL DOUGLAS	DC-08-62 W/ADC QN	350.00	JT3D-3B	50	108.3	6,**
MCDONNELL DOUGLAS	DC-08-62 W/ADC QN	350.00	JT3D-7	50	108.3	6,**
MCDONNELL DOUGLAS	DC-08-63 W/ADC QN	355.00	JT3D-3B	50	108.3	6,**
MCDONNELL DOUGLAS	DC-08-63 W/ADC QN	355.00	JT3D-7	50	108.3	6,**
BOEING	B-707-300B ADV/C SHN	321.00	JT3D-3B	25	108.2	6,**
MCDONNELL DOUGLAS	DC-08-55 W/BAC QN	325.00	JT3D-3B	50	108.2	6,**
MCDONNELL DOUGLAS	DC-08-53 W/BAC QN	315.00	JT3D-3B	50	108.1	6,**
MCDONNELL DOUGLAS	DC-08-52 W/BAC QN	305.00	JT3D-3B	50	108.0	6,**
BOEING	B-707-300B ADV/C QNC	335.00	JT3D-3B	25	107.9	6,**
MCDONNELL DOUGLAS	DC-08-61 W/BAC QN	325.00	JT3D-3B	35	107.9	6,**
MCDONNELL DOUGLAS	DC-08-62 W/TNC QN	350.00	JT3D-3B	50	107.9	6,**
MCDONNELL DOUGLAS	DC-08-63 W/TNC QN	350.00	JT3D-3B	50	107.9	6,**
BOEING	B-747-200	800.00	JT9D-7F	30	107.8	* **
BOEING	B-747-200	800.00	JT9D-7J	30	107.8	* **
BOEING	B-747-200	805.00	JT9D-7FW	30	107.8	* **
MCDONNELL DOUGLAS	DC-08-51 W/BAC QN	276.00	JT3D-1	50	107.8	6,**
MCDONNELL DOUGLAS	DC-08-51 W/BAC QN	286.00	JT3D-3B	50	107.8	6,**
MCDONNELL DOUGLAS	DC-08-62 W/TNC QN	355.00	JT3D-7	35	107.6	6,**
MCDONNELL DOUGLAS	DC-08-63 (BAC)	353.00	JT3D-7	50	107.6	6,**
BOEING	B-747-100	750.00	JT9D-7F	30	107.4	* **
BOEING	B-747-100	750.00	JT9D-7FW	30	107.4	* **
BOEING	B-747-200	812.00	JT9D-7FW/-7J	30	107.4	* **

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
MCDONNELL DOUGLAS	DC-08F-55 QNC PLS QN	317.80	JT3D-3B	35	107.4	6,26,**
BOEING	B-747-200	785.00	JT9D-7A	30	107.3	* **
BOEING	B-747-200	785.00	JT9D-7WET	30	107.3	* **
BOEING	B-747-200	820.00	RB.211-524B/B2	30	107.3	**
BOEING	B-747-300	820.00	RB.211-524B2	30	107.3	**
MCDONNELL DOUGLAS	DC-08-63 W/TNC QN	355.00	JT3D-7	35	107.3	6,**
MCDONNELL DOUGLAS	DC-08F-54 QNC PLS QN	315.00	JT3D-3B	35	107.3	6,**
BOEING	B-747-100	734.00	JT9D-3A	30	107.2	* **
MCDONNELL DOUGLAS	DC-08-55 QNC PLS QN	320.30	JT3D-3B	35	107.2	6,26,**
MCDONNELL DOUGLAS	DC-08-61 QNC PLS QN	320.30	JT3D-3B	35	107.2	6,**
MCDONNELL DOUGLAS	DC-08-51 QNC PLS QN	276.00	JT3D-1	35	107.1	6,**
MCDONNELL DOUGLAS	DC-08-51 QNC PLS QN	286.00	JT3D-3B	35	107.1	6,26,**
MCDONNELL DOUGLAS	DC-08-53 (QNC QN)	315.00	JT3D-3B	35	107.1	6,**
MCDONNELL DOUGLAS	DC-08-53 QNC PLS QN	318.00	JTD3D-3B	35	107.1	6,26,**
BOEING	B-747-200	820.00	CF6-50E	30	107.0	
BOEING	B-747-200	833.00	RB.211-524C2	30	107.0	*
BOEING	B-747-SP	702.00	RB.211-524D4	30	107.0	
MCDONNELL DOUGLAS	DC-08-52 QNC PLS QN	300.00	JT3D-3B	35	107.0	6,26,**
BOEING	B-747-100	750.00	JT9D-7A	30	106.9	* **
BOEING	B-747-100	750.00	JT9D-7WET	30	106.9	* **
BOEING	B-747-SR	610.00	JT9D-7A	30	106.9	*
MCDONNELL DOUGLAS	DC-08-61F (QNC QN)	309.80	JT3D-3B	25	106.9	6,26,**
BOEING	B-747-200	770.00	JT9D-7	30	106.7	* **
BOEING	B-747-200	773.00	JT9D-3AWET	30	106.7	* **
BOEING	B-747-200	833.00	JT9D-7Q	30	106.6	

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-747-200	833.00	JT9D-7R4G2	30	106.6	**
BOEING	B-747-300	833.00	JT9D-7R4G2	30	106.6	
MCDONNELL DOUGLAS	DC-10-30	565.00	CF6-50A	50	106.6	*
MCDONNELL DOUGLAS	DC-10-30	572.00	CF6-50C/H	50	106.6	
MCDONNELL DOUGLAS	DC-10-30	590.00	CF6-50C1	50	106.6	
BOEING	B-747-100	750.00	RB.211-524C2	30	106.5	* **
BOEING	B-747-200	767.00	JT9D-3A	30	106.5	* **
BOEING	B-747-200	833.00	CF6-50E2	30	106.5	
BOEING	B-747-300	800.00	CF6-50E2	30	106.5	
MCDONNELL DOUGLAS	DC-08-61 (QNC QN)	309.80	JT3D-3B	25	106.5	6,26,**
MCDONNELL DOUGLAS	DC-08F-54 (QNC QN)	309.80	JT3D-3B	25	106.5	6,26,**
MCDONNELL DOUGLAS	DC-08F-55 (QNC QN)	309.80	JT3D-3B	25	106.5	6,26,**
MCDONNELL DOUGLAS	DC-10-40	555.00	JT9D-59A	50	106.4	*
BOEING	B-727-200	177.60	JT8D-7FCD	40	106.3	3,16
BOEING	B-747-200	820.00	JT9D-70A	30	106.0	
BOEING	B-727-100	169.50	JT8D-9FCD	40	105.8	3,17
BOEING	B-727-200	178.00	JT8D-9FCD	30	105.8	3,17
MCDONNELL DOUGLAS	DC-10-30	572.00	CF6-50C2-R	50	105.8	
BOEING	B-707-300B ADV/C SHN	322.30	JT3D-1-3B(IC)	25	105.7	6,21,**
MCDONNELL DOUGLAS	DC-10-40	530.00	JT9D-20D	50	105.7	*
MCDONNELL DOUGLAS	DC-10-10	455.00	CF6-6D	50	105.5	*
MCDONNELL DOUGLAS	DC-10-10	455.00	CF6-6D1	50	105.5	*
MCDONNELL DOUGLAS	DC-10-10	455.00	CF6-6D1A	50	105.5	*
BOEING	B-747-SR	571.00	CF6-45A2	30	105.4	
BOEING	B-707-120B (SHANNON)	258.00	JT3D-1	30	105.3	21,**

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-707-138B (SHANNON)	258.00	JT3D-1	30	105.3	21,**
BOEING	B-737-200 ADV.	122.50	JT8D-9QN	40	105.3	2,17
BOEING	B-737-200 NON-ADV.	117.00	JT8D-9QN	40	105.3	2,17
BOEING	B-747-300	820.00	JT9D-70A	30	105.3	**
MCDONNELL DOUGLAS	DC-10-30	590.00	CF6-50C2	50	105.3	
MCDONNELL DOUGLAS	DC-10-30	590.00	CF6-50C2-B	50	105.3	
BOEING	B-747-300	833.00	CF6-80C2B1	30	105.2	
MCDONNELL DOUGLAS	DC-08-55 (QNC QN)	309.80	JT3D-3B	25	105.2	6,26,**
MCDONNELL DOUGLAS	DC-08-54 W/BAC QN	315.00	JT3D-3B	35	105.1	6,**
MCDONNELL DOUGLAS	DC-08-53 (QNC QN)	306.80	JT3D	25	105.0	6,**
BOEING	B-727-200	172.50	JT8D-7QN	40	104.9	2,16
BOEING	B-747-200	833.00	RB.211-524D4	30	104.9	
BOEING	B-747-300	833.00	RB.211-524D4	30	104.9	**
BOEING	B-720B (SHANNON)	234.00	JT3D-1	30	104.7	6,**
BOEING	B-720B (SHANNON)	234.00	JT3D-3B	30	104.7	6,**
BOEING	B-747-400	870.00	PW 4056	30	104.7	
BOEING	B-747-100	734.00	JT9D-7	30	104.6	29
MCDONNELL DOUGLAS	DC-08-51 (QNC QN)	286.00	JT3D-3B	25	104.6	6,26,**
BOEING	B-727-200	203.10	JT8D-17QN	40	104.5	2,19
BOEING	B-727-100	169.50	JT8D-1FCD	40	104.3	3
BOEING	B-727-100	169.50	JT8D-7FCD	40	104.3	3,16
MCDONNELL DOUGLAS	DC-08-52 (QNC QN)	300.00	JT3D-3B	25	104.3	6,26,**
MCDONNELL DOUGLAS	MD-11	618.00	CF6-80C2	50	104.3	
MCDONNELL DOUGLAS	MD-11	618.00	PW4460	50	104.0	
BOEING	B-737-200 ADV.	128.10	JT8D-15QN	40	103.8	2,18

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-747-400	870.00	CF6-80C2B1F	30	103.8	
BOEING	B-747-400	870.00	RB.211-524G	30	103.8	
BOEING	B-747-400	870.00	RB.211-524H	30	103.8	
BOEING	B-747-SP	660.00	JT9D-7F	30	103.8	
MCDONNELL DOUGLAS	DC-10-10	455.00	CF6-6K	50	103.8	*
MCDONNELL DOUGLAS	DC-10-10	455.00	CF6-6K2	50	103.8	*
LOCKHEED	L1011-385-1-14/15	466.00	RB.211-524B4	42	103.3	*
BOEING	B-727-200	184.80	JT8D-9QN	40	103.2	2,17
BOEING	B-727-200	190.50	JT8D-15QN	40	103.2	2,18
BOEING	B-727-200	208.00	JT8D-17RQN	40	103.2	2,20
BOEING	B-747-SP	696.00	RB.211-524B2	30	103.2	
BOEING	B-747-SP	702.00	JT9D-7J	30	103.2	
AIRBUS	A300B2-203	313.10	CF6-50-C2	25	103.1	
BOEING	B-747-400	600.00	PW4056	30	103.1	
MCDONNELL DOUGLAS	DC-09-10	90.70	JT8D-7	50	103.1	24
MCDONNELL DOUGLAS	DC-10-15	455.00	CF6-50C2-F	50	103.1	
AIRBUS	A300B4-103	347.20	CF6-50-C2	25	103.0	
BOEING	B-767-300	351.00	JT9D-7R4D(B)	30	103.0	
BOEING	B-767-300	351.00	JT9D-7R4E	30	103.0	
DASSAULT BREGUET	FALCON 20- /D/E	28.70	CF700-20-2	40	103.0	
DASSAULT BREGUET	FALCON 20-F	28.66	CF700-20-2	40	103.0	
MCDONNELL DOUGLAS	DC-08-63 (BAC R-1)	355.00	JT3D-7	35	103.0	6
MCDONNELL DOUGLAS	DC-08-63 (BAC/MGM)	353.00	JT3D-7	35	103.0	6
BAe	HS 125-600A	25.50	VIPER 601-22	45	102.9	12
BOEING	B-747-SP	701.00	JT9D-7A	30	102.9	

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-707-100B (QNC)	241.30	JT3D-1	30	102.8	6,**
BOEING	B-707-100B (QNC)	258.00	JT3D-3B	30	102.8	6,**
BOEING	B-737-200 ADV.	128.10	JT8D-17QN	40	102.8	2,19
LOCKHEED	L-1011	430.00	RB.211-22B	42	102.8	5 *
LOCKHEED	L-1011-1	430.00	RB.211-22B	42	102.8	5 *
LOCKHEED	L-1011-100	466.00	RB.211-22B	42	102.8	5 *
LOCKHEED	L1011-385-1-14/15	474.00	RB.211-22B	42	102.8	
BOEING	B-767-200	351.00	JT9D-7R4D(A)	30	102.7	
LEARJET	25D	15.00	CJ610-6	40	102.7	14
BOEING	B-767-200	360.00	JT9D-7R4D(B)	30	102.6	
BOEING	B-767-200	360.00	JT9D-7R4E	30	102.6	
AIRBUS	A300B4-203	313.05	CF6-50C2	25	102.4	31
AIRBUS	A300B4-203	363.70	CF6-50-C2	25	102.4	31
SABRELINER	SABRELINER 60A/60SC	22.70	JT12A-8		102.2	
BOEING	B-737-200 NON-ADV.	109.00	JT8D-7QN	40	102.1	2,16
LOCKHEED	L-1011-500	510.00	RB.211-524B4	33	102.0	*
AIRBUS	A300B4-622R	385.00	PW-4158	40	101.9	
MCDONNELL DOUGLAS	DC-09-34	121.00	JT8D-17	50	101.9	1
MCDONNELL DOUGLAS	DC-09-50	121.00	JT8D-15	50	101.9	1
MCDONNELL DOUGLAS	DC-09-50	121.00	JT8D-17	50	101.9	1
FOKKER	F28 MK2000	65.00	SPEY MK555-15	42	101.8	*
BOEING	B-767-200	360.00	CF6-80A	30	101.7	
BOEING	B-767-200	360.00	CF6-80A2	30	101.7	
BOEING	B-767-300	351.00	CF6-80A	30	101.7	
BOEING	B-767-300	351.00	CF6-80A2	30	101.7	

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
LEARJET	24D	13.50	CJ610-6	40	101.7	14
LEARJET	28/29	15.00	CJ610-8A	40	101.7	
BOEING	B-720B (QNC)	234.00	JT3D-1	30	101.6	6,**
BOEING	B-720B (QNC)	234.00	JT3D-3B	30	101.6	6,**
LOCKHEED	L-1011-500	496.00	RB.211-524B	33	101.5	5 *
BOEING	B-747-400	870.00	CF6-80C2	25	101.4	
FOKKER	F28 MK4000	73.00	SPEY MK555-15P	42	101.4	
LOCKHEED	L-1011-200	466.00	RB.211-524B	33	101.4	5 *
MCDONNELL DOUGLAS	DC-09-34	121.00	JT8D-15	50	101.4	1
FOKKER	F28 MK1000	65.00	SPEY MK555-15	42	101.2	
MCDONNELL DOUGLAS	DC-09-30	108.00	JT8D-17	50	101.1	1
SABRELINER	SABRELINER 80A/80SC	25.50	CF700-2D-2		101.1	*
LEARJET	25C	15.00	CJ610-6	40	100.8	13
LEARJET	24/24D	13.50	CJ610-6	40	100.7	13
MCDONNELL DOUGLAS	DC-08-62 (BAC/MGM)	348.00	JT3D-3B	35	100.7	6
AIRBUS	A310-221	305.60	JT9D-7R4D1	40	100.6	
MCDONNELL DOUGLAS	DC-09-10	90.70	JT8D-7/-7A	50	100.4	1
AIRBUS	A310-324	330.69	PW-4152	40	100.2	
BOEING	B-727-200 (FED. EX.)	169.50	JT8D-9/A	30	100.2	6,27
BOEING	B-737-400	142.50	CFM56-3-B1	40	100.2	
BOEING	B-737-400	150.00	CFM56-3B-2	40	100.2	
BOEING	B-737-400	150.00	CFM56-3C-1	40	100.2	
BOEING	B-767-300	407.00	PW 4056	30	100.2	
BOEING	B-767-300	407.00	PW 4060	30	100.2	
LOCKHEED	L-1011-500	504.00	RB.211-524B3	33	100.2	5 *

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
MCDONNELL DOUGLAS	DC-08-62 (BAC R-1)	350.00	JT3D-3B	35	100.2	6
SABRELINER	SABRELINER 75A	23.00	CF700-2D-2	25	100.2	*
SABRELINER	SABRELINER 80	23.30	CF700-2D-2		100.2	*
BOEING	B-737-300	139.50	CFM56-3-B1	40	100.0	
BOEING	B-737-300	139.50	CFM56-3B-2	40	100.0	
BAe	1-11 400	89.50	SPEY511-14/14W	45	99.9	12
AIRBUS	A300B4-605R	375.10	CF6-80-C2-A5	40	99.8	
BOEING	B-737-500	132.80	CFM56-3-B1(R)	40	99.8	
BOEING	B-737-500	139.00	CFM56-3-B1	40	99.8	
BOEING	B-767-300	407.00	RB.211-524G	30	99.8	
BOEING	B-767-300	407.00	RB.211-524H	30	99.8	
BOEING	B-757-200	240.00	RB.211-535C	25	99.6	
FOKKER	F28 MK3000	71.00	SPEY MK555-15H	42	99.4	
FOKKER	F28 MK4000	73.00	SPEY MK555-15H	42	99.4	
MCDONNELL DOUGLAS	DC-09-30	114.00	JT8D-9	50	99.4	1
MCDONNELL DOUGLAS	DC-09-40	114.00	JT8D-11	50	99.4	1
MCDONNELL DOUGLAS	DC-09-40	114.00	JT8D-15	50	99.4	1
BOEING	B-727-200 (FED. EX.)	177.60	JT8D-7/A/B	30	99.1	6,27
MCDONNELL DOUGLAS	DC-09-34	110.00	JT8D-9	50	99.1	1
BOEING	B-727-200RE(VALSAN)	198.50	JT8D-17/217C	30	99.0	6,23
BOEING	B-727-200RE(VALSAN)	209.50	JT8D-17A/217C	30	99.0	6,23
LEARJET	25	16.00	CJ610-6	40	99.0	
LEARJET	25/25B/C Raisb MK II	15.00	CJ610	40	99.0	
LEARJET	25B/C/D/F XR Dee Hwd	16.30	CJ610-6/8A	40	99.0	
MCDONNELL DOUGLAS	DC-09-30	114.00	JT8D-15	50	99.0	1

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-727-200 (FED. EX.)	172.60	JT8D-7B(A)(B)	30	98.9	6,27
AIRBUS	A310-304	352.74	CF6-80C2A2	40	98.8	
BOEING	B-727-100 (FED. EX.)	169.50	JT8D-9/A	30	98.8	6,27
BOEING	B-727-200RE(VALSAN)	190.50	JT8D-15/217C	30	98.8	6,23
BOEING	B-767-300	380.00	PW4060	30	98.8	
BOEING	B-767-200	400.00	PW 4056	30	98.6	
MCDONNELL DOUGLAS	DC-08-71	328.00	CFM56-2-C1	50	98.6	*
BOEING	B-767-300	407.00	CF6-80C2B6F	30	98.5	
SABRELINER	SABRELINER 60	20.20	JT12A-8	24	98.5	*
BOEING	B-767-300	407.00	CF6-80C2-B4	30	98.4	
BOEING	B-767-300	407.00	CF6-80C2-B6	30	98.4	
GULFSTREAM	G-II GULFSTREAM	65.50	SPEY 511-8	39	98.4	12
SABRELINER	SABRELINER 40	20.20	JT12A-8	25	98.4	
MCDONNELL DOUGLAS	DC-08-71	325.00	CFM-56-2C5		98.3	*
MCDONNELL DOUGLAS	DC-08-73	355.00	CFM56-2-C1	50	98.3	*
BOEING	B-767-200	351.00	PW4052	30	98.2	
MCDONNELL DOUGLAS	DC-08-72	350.00	CFM56-2-C1	50	98.2	*
BOEING	B-757-200	255.50	PW 2037	30	98.1	
BOEING	B-757-200	255.50	PW 2040	30	98.1	
LEARJET	23 Raisbeck MK II	12.50	CJ610-1/-4		98.0	
LEARJET	24 Raisbeck MK II	13.00	CJ610-1/-4		98.0	
LEARJET	24B/D Raisbeck MK II	13.50	CJ610	40	98.0	
BOEING	B-727-100 (FED. EX.)	169.50	JT8D-7(A)(B)	30	97.9	6,28
BAe	1-11 200	80.00	SPEY 506-14	45	97.8	12
BOEING	B-727-100 (FED. EX.)	160.00	JT8D-7/A/B	30	97.8	6,28

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BOEING	B-767-200	340.00	PW4056	30	97.8	
DASSAULT BREGUET	FALCON 50	38.80	TFE731-2	48	97.4	
GULFSTREAM	G-IIB/G-III	69.70	SPEY 511-8	39	97.3	12
MCDONNELL DOUGLAS	DC-09-30	108.00	JT8D-7A	50	97.3	1
MCDONNELL DOUGLAS	DC-09-30	110.00	JT8D-7	50	97.3	1
DASSAULT BREGUET	FALCON 50	40.78	TFE731-3-1C	48	97.1	
LOCKHEED	1329-23 (AIRESEARCH)	43.80	TFE731-3-1E	59	96.9	* **
LOCKHEED	1329-25 (AIRESEARCH)	44.50	TFE731-3		96.9	* **
AIRBUS	A320-231	162.00	V2500.A1	40	96.6	
BAe	125-800	27.40	TFE731-5R-1H	45	96.5	
BAe	125-800A	27.40	TFE731-5R-1H	45	96.5	25
BOEING	B-767-300	288.70	CF6-80C2B2	30	96.5	
AIRBUS	A320-211	162.00	CFM56-5A1	35	96.4	
BOEING	B-767-200	351.00	CF6-80C2-B2	30	96.4	
BOEING	B-767-200	387.00	CF6-80C2-B4	30	96.4	
BAe	HS 125-3A	21.70	TFE731-3-1H	45	96.3	
BAe	HS 125-600A	25.50	TFE731-3-1H	45	96.3	
BAe	HS 125-700A	25.50	TFE731-3-1H	45	96.3	33
MCDONNELL DOUGLAS	DC-09-30 (ABS)	105.00	JT8D-9	40	96.1	6
BAe	146-300A	95.00	ALF 502R-5	33	96.0	
BAe	HS 125-1A	21.70	TFE731-3-1H	45	96.0	
DASSAULT BREGUET	FALCON 20-G	32.00	ATF3-6-2C	40	95.9	
BAe	146-200A	93.00	ALF502R-5	33	95.8	
BAe	C-29A	28.00	TFE731-5R-1H	45	95.8	
BAe	HS 125-3A/RA	23.60	TFE731-3-1H	45	95.7	

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
BAe	HS 125-400A	23.60	TFE731-3-1H	45	95.7	
BAe	146-100A	84.00	ALF502R-5	33	95.6	
BAe	146-200A	89.50	ALF502R-3	33	95.6	
BAe	146-200A	89.50	ALF502R-3A	33	95.6	
BAe	146-300A	97.50	ALF502R-5	33	95.6	
DASSAULT BREGUET	FALCON 10	19.30	TFE731-2-1C	52	95.4	
DASSAULT BREGUET	FALCON 10	18.30	TFE731-2	52	95.3	
LEARJET	24E	12.90	CJ610-6	40	95.3	
LEARJET	24F	13.50	CJ610-6	40	95.3	
LEARJET	24F-A	12.50	CJ610-6	40	95.3	
BAe	146-100A	82.25	ALF502R-3A	33	95.2	
BOEING	B-757-200	255.50	RB.211-535-E4	30	95.2	
BOEING	B-757-200	255.50	RB.211-535E4-B	30	95.2	
LEARJET	25D/25F	15.00	CJ610-6/8A	40	95.2	
BAe	146-100A	76.00	ALF502R-3	33	95.1	
MCDONNELL DOUGLAS	DC-09-10 (ABS)	90.70	JT8D-7/7A/7B	40	95.0	6
DASSAULT BREGUET	FALCON 200 MYSTERE	32.00	ATF3-6A-4C	40	94.2	
DASSAULT BREGUET	FALCON 200 MYSTERE	32.00	ATF3-6-4C	40	93.9	
CESSNA	650 CITATION III	22.00	TFE731-3B-100S	37	93.8	22
MCDONNELL DOUGLAS	MD-80	160.00	JT8D-217A	40	93.7	* 10
MCDONNELL DOUGLAS	MD-80	160.00	JT8D-217C	40	93.7	10
MCDONNELL DOUGLAS	MD-80	160.00	JT8D-219	40	93.7	10
MCDONNELL DOUGLAS	MD-87	149.50	JT8D-217A	40	93.3	10
MCDONNELL DOUGLAS	MD-87	149.50	JT8D-217C	40	93.3	10
MCDONNELL DOUGLAS	MD-87	149.50	JT8D-219	40	93.3	10

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
FOKKER	F100	98.00	TAY MK650-15	42	93.0	
ISRAEL AIRCRAFT	1124 WESTWIND	22.90	TFE731-3-1G	40	93.0	
MCDONNELL DOUGLAS	MD-80	149.50	JT8D-209	40	92.9	10
MCDONNELL DOUGLAS	MD-80	149.50	JT8D-217	40	92.9	10
ISRAEL AIRCRAFT	1124A WESTWIND 2	23.50	TFE731-3-1G	40	92.8	*
LEARJET	31	16.50	TFE731-2-3B	40	92.6	*
LEARJET	55C	21.50	TFE731-3AR-2B	40	92.4	*
LEARJET	M55C	21.50	TFE731-3AR-3B	40	92.4	*
LEARJET	35/36	18.00	TFE731-2-2B	40	92.2	*
DASSAULT BREGUET	FALCON 900	45.50	TFE731-5AR-1C	40	91.7	
DASSAULT BREGUET	FALCON 900B	46.50	TFE731-5BR-1C	40	91.7	
BAe	125-1000	31.00	PW305	25	91.6	
BEECH	BEECHJET 400	15.78	JT15D-5	30	91.4	*
LEARJET	35A/36A	18.30	TFE731-2-2B	40	91.4	
LEARJET	36A	18.30	TFE731-2-2B	40	91.4	*
MITSUBISHI	MU-300-10 (DIAM. II)	15.78	JT15D-5	30	91.4	*
LEARJET	35A	18.00	TFE731-2-2B	40	91.3	*
CANADAIR	CL-600	36.00	ALF-502	45	91.2	*
GULFSTREAM	G-IV	73.20	TAY 611-8	39	91.0	
GULFSTREAM	G-IV GULFSTREAM	71.70	TAY 610-8	39	91.0	
LEARJET	55B	21.50	TFE731-3A-2B	40	91.0	
DASSAULT BREGUET	FALCON 20-C5/D5/E5	29.10	TFE-731-5AR-1C	40	90.7	34
DASSAULT BREGUET	FALCON 20-C5/D5/E5	29.10	TFE731-5AR-2C	40	90.7	
LEARJET	55	21.00	TFE731-3A-2B	40	90.6	*
SABRELINER	SABRELINER 65	24.00	TFE731-3R		90.6	*

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN DESCENDING EPNdB FOR U.S. CERTIFICATED TURBOJET POWERED AIRCRAFT

APPROACH

MANUFACTURER	MODEL	MTOW 1000#	ENGINE MODEL	FLAPS	NOISE LEVELS (EPNdB)	NOTES
CESSNA	550 CITATION II	13.30	JT15D-4	40	90.5	*
CESSNA	550 CITATION II	14.10	JT15D-4	40	90.5	
CESSNA	551 CITATION II	12.50	JT15D-4	40	90.5	*
AEROSPATIALE	SN601 CORVETTE	14.60	JT15D-4	35	90.0	
DASSAULT BREGUET	FALCON 20-F5	29.10	TFE-731-5AR-1C	40	90.0	34
DASSAULT BREGUET	FALCON 20-F5	29.10	TFE731-5AR-2C	40	90.0	
ISRAEL AIRCRAFT	1125 ASTRA	24.70	TFE731-3A-200G	40	89.8	
CANADAIR	CL-601 CHALLENGER	42.10	CF34-1A	45	89.4	*
CESSNA	560 CITATION V	16.30	JT15D-5A	35	88.9	
CESSNA	552	15.50	JT15D-5	35	88.5	*
CESSNA	500/501 CITATION I	11.80	JT15D-1/-1A	40	87.9	*
CESSNA	500 CITATION	10.30	JT15D-1	40	87.7	*
CESSNA	S550 CITATION S/II	15.10	JT15D-4B	35	86.2	
MITSUBISHI	MU-300 (DIAMOND I)	14.10	JT15D-4	30	85.8	*
MITSUBISHI	MU-300 (DIAMOND I)	15.50	JT15D-4D	30	85.8	

APPENDIX 6
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN AIRCRAFT IN THE TRANSPORT CATEGORY

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM	PROPELLER MAKE,MODEL	DIAM (IN)	BLADE BLADES	PROP TYPE	FLAPS TAKEOFF APPR.	FORWARD SPEED (KTS) TO REF APP REF	NOISE LEVELS EPNdB SIDELINE	TAKEOFF	APPR.	STAGE	REF. NOTES
ATR	34.7	PRATT&WHITNEY	2	1800	HAMILTON STD	156	4	V	15		83.8	82.1	96.8	3	NM
42-200	34.2	120		1200	14SF-1				30						
ATR	35.3	PRATT&WHITNEY	2	1800	HAMILTON STD	156	4	V	15		83.8	82.6	96.8	3	NM
42-300	34.2	120		1200	14SF-1				30						
BAe	44.5	ROLLS-ROYCE	2	2470	DOWTY ROTOL	144	4	V	15	122.2	96.8	92.5	103.8	2	BA
748-2A	43.0	DART 532-2		1394	CR212/4-30-4/22				28	107.9					
BAe	46.0	ROLLS ROYCE	2	2470	DOWTY ROTOL	144	4	V	15	120.2	96.8	92.5	103.4	2	BA
748-2B	43.0	DART 535-2		1394	CR212/4-30-4/22				28	107.9					
BAe	46.0	ROLLS ROYCE	2	2470	DOWTY ROTOL	144	4	V	8	131.8	93.3	88.7	92.8	3	BA
748-2B	43.0	DART 536-2		1394	CR212/4-30-4/22				28	107.5					1
BAe	50.5	PRATT&WHITNEY	2	2160	HAMILTON STD.	165	6	V	7	133.3	82.1	80.7	96.5	3	BA
ATP	49.0	PW124A		1200	6/5500/F				22	122.6					
BAe	50.5	PRATT&WHITNEY	2		HAMILTON STD.	165	6	V	7		82.7	79.5	97.9	3	EU
ATP	49.0	PW126A		1200	6/5500/F.1				15						
CASA	14.3	AIRESEARCH	2	750	HARTZELL	107	4	V	10	125.	84.0	87.3	91.2	3	EU
C-212-CB	13.8	TPE 331-5-251C		1591	HC-B4TN-5CL/LT10282H				20	120.					*
CASA	17.0	AIRESEARCH	2	900	HARTZELL	110	4	V	10	112.	85.1	85.9	90.9	3	EU
C-212-CC	16.4	TPE 331-10-501C		1591	HC-B4MN-5AL				15	107.					*
CASA	31.8	GENERAL ELECTRIC	2		HAMILTON STD.	130	4		8		86.5	84.5	87.0	3	NM
CN-235	31.3	CT7-7A			14RF-21				23						*
CONVAIR	58.2	ALLISON	2	3460	AEROPRODUCTS	162	4	V	10		91.1	87.4	98.3	3	NM
580 (Aeroprod.)	52.0	501-D13H		1020	A6441FN-606A				28						

APPENDIX 6
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN AIRCRAFT IN THE TRANSPORT CATEGORY

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM	PROPELLER MAKE,MODEL	DIAM (IN)	BLADE/SEAT/CABIN	FLAPS TAKEOFF APPR.	FORWARD SPEED (KTS) TO REF APP REF	NOISE LEVELS EPNdB SIDELINE	TAKEOFF	APPR.	STAGE	REF. NOTES
DEHAVILLAND	43.0	PRATT&WHITNEY	4	1017	HAMILTON STD.	135	4/V	25	95.1	83.3	80.1	91.6	3	NE
DHC-7-101	41.0	PT6A-50		1210	24PF-305			25	102.1					*
DEHAVILLAND	44.0	PRATT&WHITNEY	4	1120	HAMILTON STD.	135	4/V	25	95.9	84.0	80.5	91.4	3	NE
DHC-7-103	42.0	PT6A-50		1210	24PF-305			25	103.3					*
DEHAVILLAND	33.0	PRATT&WHITNEY	2	1800	HAMILTON STD.	156	4/V	15		86.3	80.7	95.1	3	CR
DHC-8	32.4	PW 120			14SF-1			35						
DEHAVILLAND	41.1	PRATT&WHITNEY	2		HAMILTON STD.	156	4/V	5		87.4	84.3	98.9	3	NE
DHC-8-300	40.0	PW123		1200	14SF-15			15						
EMBRAER	21.2	PRATT&WHITNEY	2	1500	HAMILTON STD.	126	4/V	15	110.	81.6	76.6	92.5	3	SO
EMB-120	21.2	PW 115			14RF-9			25	110.					
EMBRAER	25.4	PRATT&WHITNEY	2		HAMILTON STD.	126	4/V	15		83.5	81.2	92.3	3	
EMB-120	24.8	PW118			14RF-9			25						*
FOKKER	45.9	PRATT&WHITNEY	2				V	8		85.0	81.0	96.8	3	NM
50	41.8	125B						26						
FOKKER	45.0	ROLLS ROYCE	2		DOWTY ROTOL	138	4/V	0	127.9	90.1	86.9	94.3	3	NM
F27 MK500	43.5	DART 7/MK535-7			R193-4-30-4			40	109.					1
FOKKER	45.0	ROLLS ROYCE	2		DOWTY ROTOL	138	4/V	0	127.9	89.8	87.4	94.3	3	NM
F27 MK500	43.5	DART 7/MK535-7R			R193-4-30-4			40	109.					1
FOKKER	45.0	ROLLS ROYCE	2		DOWTY ROTOL	138	4/V	0	127.9	92.2	90.6	100.3	2	NM
F27 MK500	42.0	DART 7/MK535-7R			R193-4-30-4			40	107.					
FOKKER	45.9	ROLLS ROYCE	2		DOWTY ROTOL	138	4/V	0	129.	89.8	87.6	94.3	3	NM
F27 MK500	43.5	DART 7/MK551-7R			R193-4-30-4			40	109.					1

APPENDIX 6
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN AIRCRAFT IN THE TRANSPORT CATEGORY

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM	PROPELLER MAKE,MODEL	DIAM (IN)	BLADES	PROP TYPE	FLAPS TAKEOFF APPR.	FORWARD SPEED (KTS) TO REF APP REF	NOISE LEVELS EPNdB SIDELINE	TAKEOFF	APPR.	STAGE	REF. NOTES
FOKKER	45.0	ROLLS ROYCE	2	2307	DOWTY ROTOL	138	4	V	0		89.8	87.4	94.1	3	NM
F27 MK500/600	41.0	DART 7/MK552-7R			R193-4-30-4				40						1
FOKKER	45.9	ROLLS ROYCE	2	2307	DOWTY ROTOL	138	4	V	0		89.8	87.6	94.3	3	NM
F27 MK500/600	43.5	DART 7/MK552-7R			R193-4-30-4				40						1
FOKKER	45.0	ROLLS ROYCE	2		DOWTY ROTOL	138	4	V	0	127.9	92.2	90.6	100.3	2	NM
F27 MK600	42.0	DART7 MK532-7R			R193-4-30-4				40	107.					
LOCKHEED	155.0	ALLISON	4	4050	HAMILTON STD.	162	4	V	18	147.	96.7	94.8	98.1	3	A-1
L382G	135.0	501-D22A		1020	54H60				35	141.4					* **
MCDONNELL DOUG	28.8	PRATT&WHITNEY	2		HARTZELL	115	5	V	0		84.4	82.4	91.9	3	NM
DC3C (BTC STC)	28.8	PT6A-67R			HC-B5MA-3/M11276				45						
SAAB	28.5	GENERAL ELECTRIC	2		DOWTY ROTOL	132	4	V	15		85.9	78.0	91.6	3	EU
340B	28.0	CT7-9B		1384	R375/4-123-F/21				20						
SAAB	28.5	GENERAL ELECTRIC	2		HAMILTON STD.	132	4	V	15		86.1	77.7	90.1	3	EU
340B	28.0	CT7-9B		1384	14RF-19				20						
SAAB	28.5	GENERAL ELECTRIC	2		DOWTY ROTOL	132	4	V	15		85.9	78.0	91.6	3	EU
340B	28.0	CT7-9B		1384	R354/4-123-F/13/20				20						
SAAB	28.0	GENERAL ELECTRIC	2		DOWTY ROTOL	132	4	V	15		85.8	78.2	84.4	3	EU
SF340A	27.2	CT7-5A2		1384	R354/4-123-F/13/20				20						
SAAB	28.0	GENERAL ELECTRIC	2		DOWTY ROTOL	132	4	V	15		85.8	78.2	84.4	3	EU
SF340A	27.2	CT7-5A2		1384	R375/4-123-F/21				20						
SAAB FAIRCHILD	27.0	GENERAL ELECTRIC	2	1210	DOWTY ROTOL	126	4	V	15		87.6	79.3	89.6	3	CR
340	26.5	CT7-5A			R320/4-123-F/1				35						

APPENDIX 6

AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN AIRCRAFT IN THE TRANSPORT CATEGORY

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	ENGINE NO.	ENGINE SHP RPM	PROPELLER MAKE,MODEL	PROPELLER DIAM (IN)	BLADES	PITCH	FLAPS TAKEOFF APPR.	FORWARD SPEED (KTS) TO REF APP REF	NOISE LEVELS EPNdB SIDE-LINE	NOISE LEVELS EPNdB TAKE-OFF	NOISE LEVELS EPNdB APPR.	STAGE	REF. NOTES
SAAB FAIRCHILD 340	27.0 26.5	GENERAL ELECTRIC CT7-7E	2	1210	DOWTY ROTOL R320/4-123-F/1	126	4	V	15 35		87.4	79.5	89.6	3	CR
SAAB-SCANIA 340A W/APU	27.3 26.5	GENERAL ELECTRIC CT7-5A2	2	1735	DOWTY ROTOL R354/4-123-F13	132	4	V	 35		86.2	77.5	86.3	3	CE
SHORT BROS. SD3-30	22.0 21.6	PRATT&WHITNEY PT6A-45	2	1120 1675	HARTZELL HC-35MP-34/M10282B-6	111	5	V	8 35	107. 102.	83.9	88.5	92.8	3	CR *
SHORT BROS. SD3-60	26.0 25.7	PRATT&WHITNEY PT6A-65R	2	1327	HARTZELL HC-B5MP-3C/M10876K	111	5	V	5 30		83.7	84.4	89.9	3	CR **
SHORT BROS. SD3-60-300	27.1 25.7	PRATT&WHITNEY PT6A-67R	2	 1700	HARTZELL HC-A6A-3/A1046E	108	6	V	15 15		82.7	80.0	94.3	3	NM

APPENDIX 6 REFERENCES

A-1	ADVISORY CIRCULAR 36-1B 12/5/77
BA	BRITISH AEROSPACE
CR	CERTIFICATION REPORT
EU	EUROPEAN REGION
NE	NEW ENGLAND REGION
NM	NORTHWEST MOUNTAIN REGION
SO	SOUTHERN REGION

APPENDIX 6 NOTES

1 EQUIPPED WITH STANDARD HUSHKIT
* FULL THRUST TAKEOFF
** 650 METER SIDELINE
SEE APPENDIX 1 FOR CHARTS AND EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE D E S	PITCH C H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REP.
AEROTECH/AUS. N22S NOMAD SEARCHM.	9.1	ALLISON 250-B17E	2		HARTZELL HC-A3VF-7B/V10133N-11	91 2071	3			78.0	-2.1	75.9		NM
ANDERSON GREEN WOOD 51	3.2 3.2	AVCO LYCOMING O-540-A4D5	1	250 2575 3	HARTZELL HC-E2YR-1S/8465-7R	77 2575	2	V	167	75.2	-1.5	73.7		SW
BAe JETSTREAM 31	14.6 14.6	AIRESEARCH TPE331-IOU-501H	2	900	DOWTY ROTOL R333/4-82-F/12	106 1591	4	V	239	74.4	-3.5	70.9	1	BA
BAe JETSTREAM 31	15.2 14.6	GARRETT TPE331-10UF/UR513H	2	940	DOWTY ROTOL R333/4-82-F/12	106 1591	4	V	239	74.1	-2.4	71.7	1	BA
BAe JETSTREAM 3201	16.2 15.6	GARRETT TPE331-12UA(R)701H	2	1020 41730	DOWTY ROTOL R333/4-82-F/12	106 1591	4	V	250	76.2	-3.2	73.0		BA
BEECH (200) SUPER KING AIR	12.5 12.5	PRATT&WHITNEY PT6A-41	2	847 2000 1	HARTZELL HC-B3TN-3G/T10178HB-3R	98 2000	3	V	251	82.8	-3.6	79.2		CE
BEECH 1900/1900C AIRLINER	16.6 16.1	PRATT&WHITNEY PT6A-65B	2	1100 1700 2	HARTZELL HCB4MP-3A/M10877K	110 1700	4	V		80.5	3.0	77.4	1	CE
BEECH 2000 STARSHIP	14.4	PRATT & WHITNEY XPT6A-67	2	1200 1700	McCAULEY D-L104DSZ-O	104 1700	5	V	250	84.3	-5.5	79.3		CE
BEECH 58/58A BARON	5.5 5.4	TCM IO-550-C	2	300 2700	MCCAULEY 3AF32C512/82-NEA-5	77	3	V		80.7	-3.3	77.4		B-1

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE E S	PITCH C H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERP CORR	CORR. LEVEL	NOTES	REF.
BEECH A36 BONANZA	3.6 3.6	TELEDYNE I0-520-B	1	260 2700 5	MCCAULEY 3A32C760/82 NB-2	80 2700	3	V	175	78.8	-0.6	78.2		G-3
BEECH A36 BONANZA	3.6 3.6	TELEDYNE I0-520-N	1	228 2550 5	MCCAULEY 2A36C23/84B-0	84 2550	2	V	173	78.0	-0.6	77.4		CE
BEECH A36 BONANZA	3.7 3.7	TCM IO-550-B	1	300 2700	MCCAULEY 3A32C406/82NDB-2	80	3	V		78.2	-1.6	76.7		B-1
BEECH A36TC BONANZA	3.7 3.7	TELEDYNE TSIO-520-U	1	300 2700 5	MCCAULEY 3A32C760/82 NB-2	80 2700	3	V	169	79.5	-0.3	79.2		CE
BEECH B100 KING AIR	11.8 11.2	AIRESEARCH TPE331-6-252B	2	715 2000 1	HARTZELL HC-B4TN-5C/T10173FB-12-1/2	90 2000	4	V	230	80.2	-2.9	77.3		CE
BEECH B200 SUPER KING AIR	12.5 12.5	PRATT&WHITNEY PT6A-41	2	845 2000 1	HARTZELL HC-B3TN-3G/T10178HB-3R	99 1996	3	V	251	82.8	-3.6	79.2		CE
BEECH B200/B200C SUPER KING AIR	12.5 12.5	PRATT&WHITNEY PT6A-42	2	850 2000 1	HARTZELL HC-B3TN-3G/T10178HB-3R	98 2000	3	V	251	82.8	-3.6	79.2		CE
BEECH B200/B200C SUPER KING AIR	12.5 12.5	PRATT&WHITNEY PT6A-42	2	850 2000 2	MCCAULEY 3GFR34C702/100LA-2	98 2000	3	V	255	79.3	-3.9	75.4		CE
BEECH B200/B200C/C12F KING AIR	12.5 12.5	PRATT&WHITNEY PT6A-42	2	850 2000	MCCAULEY 4HFR34C754/94LA-0	94	4	V		80.7	-3.9	76.8		B-1

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE	PITCH	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
BEECH	12.5	PRATT&WHITNEY	2	845	HARTZELL	99	3	V	251	82.8	-3.3	79.5		CE
B200CT	12.5	PT6A-42		2000	HC-B3TN-3G/T10178HB-3R	1996								
SUPER KING AIR				1										
BEECH	12.5	PRATT&WHITNEY	2	850	MCCAULEY	94	4	V		80.7	-3.8	76.8		B-1
B200T/B200CT	12.5	PT6A-42		2000	4HFR34C754/94LA-O									
KING AIR														
BEECH	12.5	PRATT&WHITNEY	2	850	MCCAULEY	98	3		255	79.3	-3.8	75.5		CE
B200T/B200CT	12.5	PT6A-42		2000	3GFR34C702/100LA-Z	2000								
SUPER KING AIR				1										
BEECH	15.0	PRATT&WHITNEY	2	1050	HARTZELL	105	4			75.9	-3.8	72.1	1	CE
B300		PT6A-60A		1700	HC-B4MP-3/M10476K	1700								
SUPER KING AIR				2										
BEECH	3.9	TELEDYNE	1	293	MCCAULEY	78	3	V	177	78.7	0.5	79.2		G-3
B36TC	3.9	TS10-520-U		2700	82NDA-4	2700								
BONANZA														
BEECH	5.1	TELEDYNE	2	221	HARTZELL	76	3	V	177	77.7	-3.0	74.7		CE
B55	5.1	IO-470-L		2550	PHC-C3YF-2/FC7663-2R	2550								
BARON				2										
BEECH	5.1	TELEDYNE	2	223	HARTZELL	78	2	V	178	81.0	-3.0	78.0		CE
B55	5.1	IO-470-L		2550	BHC-C2YF-2CH/FC8465-6	2550								
BARON				2										
BEECH	5.4	TELEDYNE	2	254	HARTZELL	78	2	V	192	82.0	-3.1	78.9		CE,G-3
B58	5.4	IO-520-C		2550	BHC-J2YF-2C/FC8475-6	2550								
BARON				2										
BEECH	5.4	TELEDYNE	2	256	HARTZELL	76	3	V	195	81.9	-3.1	78.8		CE,G-3
B58	5.4	IO-520-C		2650	PHC-J3YF-2/FC7663-DR	2650								
BARON				2										

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE S	PITCH D	PITCH E	PITCH C	PITCH H	TEST SPEED	NOISE LEVELS dBA MEAS.	PERF CORR	CORR. LEVEL	NOTES	REP.
BEECH	5.5	TCM	2	300	HARTZELL		4	V				196	78.5	-3.1	75.4		CE
B58	5.4	IO-550-C4B		2700	FC-7063Q	2700											
BEECH	6.1	TELEDYNE	2	301	HARTZELL	78	3	V				193	80.6	-1.5	79.1		A-1, G-3
B58P	6.1	TSIO-520-L		2600	PHC-J3YF-2/FC7663-DR	2600											
PRESS. BARON				2													
BEECH	6.2	CONTINENTAL	2	294	HARTZELL	78	3	V				197	78.2	-2.1	76.1		CE
B58P	6.2	TS10-520-WB		2600	PHC-J3YF-2UF/FC7663-DR	2600											
BARON				4													
BEECH	6.1	TELEDYNE	2	294	HARTZELL	78	3	V				197	78.2	-2.1	76.1		CE
B58TC	6.1	TS10-520-WB		2600	PHC-J3YF-2UF/FC7663-DR	2600											
TURBO BARON				4													
BEECH	6.2	CONTINENTAL	2	301	HARTZELL	78	3	V				193	80.6	-1.5	79.1		CE,G-3
B58TC	6.2	TS10-520-L		2600	PHC-J3Y-2F/FC7663-DR	2600											
TURBO BARON				2													
BEECH	6.8	LYCOMING	2	296	HARTZELL	74	3	V				178	82.1	-2.5	79.6		G-3
B60	6.8	TIO-541-E1C4		2750	HC-P3YR-2UF/FC7479B-2R	2750											
DUKE				2													
BEECH	9.0	PRATT&WHITNEY	2	700	HARTZELL	93	3	V				233	76.2	-5.8	70.4		SW
B65-90	8.6	PT6A-135		1900	HC-B3TN-2(B)/T10173B-8	1900											
TAURUS				4													
BEECH	3.9	LYCOMING	2	165	HARTZELL	76	2	V				160	80.2	-1.5	78.7		CE
B76	3.9	O-360-A1G6D		2700	HC-M2YR-2CEUF/FC7666A	2700											
DUCHESS				2													
BEECH	4.0	LYCOMING	2	165	HARTZELL	76	2	V				160	79.5	-2.3	77.2		I-1,G-3
B76		O-360-A1G6D		2700	HC-M2YR-2CLUF/FC7666A	2700											
DUCHESS				1													

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADES	PITCH CONTROL	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
BEECH	1.7	LYCOMING	1	115	SENSENICH	72	2	F	104	65.1	-1.3	63.8		CE
B77	1.7	O-235-L2C		2700	72CKS12-0-52	2700								
SKIPPER				8										
BEECH	5.3	TCM	2	300	HARTZELL	74	4	V	196	78.5	-3.1	75.4		CE
B95-C55	5.3	IO-550-C		2700	FC-7063Q	2700								
				2										
BEECH	2.5	LYCOMING	1	163	SENSENICH	76	2	F	117	73.3	0.0	73.3		CE
C23	2.5	O-360-A4J		2700	76EM8S5-0-60	2700								
SUNDOWNER				2										
BEECH	2.8	LYCOMING	1	202	HARTZELL	76	2	V	137	73.0	-1.3	71.7		B-1,CE
C24R	2.8	O-360-A1B6		2700	HC-M2YR-1BP/FC7666A-2R	2700								
SIERRA				2										
BEECH	9.7	PRATT&WHITNEY	2	550	HARTZELL	93	3	V	231	78.7	-4.4	74.3		G-3
C90	9.2	PT6A-21		2200	HC-B3TN-2B/T10173B-8	2200								
KING AIR C90														
BEECH	10.1	PRATT&WHITNEY		550	HARTZELL	93	3		231	78.7	-4.4	74.3		CE
C90A		PT6A-21		2200	HC-B3TN-2(B)	2200								
KING AIR				4										
BEECH	11.3	PRATT&WHITNEY	2	715	HARTZELL	93	3	V	241	79.3	-3.4	75.9		CE
C99	11.3	PT6A-34		2200	HC-B3TN-3/T10173B-8	2200								
AIRLINER														
BEECH	5.3	TCM	2	300	HARTZELL	74	4	V	196	78.5	-3.4	75.0		CE
D55	5.3	IO-550-C		2700	FC-7063Q	2700								
				2										
BEECH	5.3	TCM	2	300	HARTZELL	74	4	V		78.5	-3.4	75.0		CE
E55	5.3	IO-550-C		2700	FC-7063Q	2700								
				V										

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE, MODEL	MTOW LW 1000#	ENGINE MAKE, MODEL	ENGINE NO.	ENGINE SHP RPM EXH	PROPELLER MAKE, MODEL	PROPELLER DIAM (IN) RPM	BLADES	PITCH	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	NOISE LEVELS dBA PERF CORR	NOISE LEVELS dBA CORR. LEVEL	NOTES	REF.
BEECH E55	5.3 5.3	TCM IO-550-C	2	300 2700 2	HARTZELL FC-7063Q	74 2700	4	V		78.5	-3.4	75.0		CE
BEECH E55	5.3 5.3	TCM IO-550-C	2	300 2700 V	HARTZELL FC-7063Q	74 2700	4	V		78.5	-3.4	75.0		CE
BEECH E55 BARON	5.3 5.3	TELEDYNE IO-520-C	2	256 2650 2	HARTZELL PHC-J3Y-2F/FC7663-2R	76 2650	3	V	195	81.9	-3.2	78.7		CE
BEECH E55 BARON	5.3 5.3	TELEDYNE IO-520-C	2	254 2550 2	HARTZELL BHC-C2YF-2C/FC8475-6	78 2550	2	V	191	82.0	-3.2	78.8		CE
BEECH E90 KING AIR E90	10.1 9.7	PRATT&WHITNEY PT6A-28	2	550 2200	HARTZELL HC-B3TN-2B/T10173B-8	93 2200	3	V	231	79.0	-4.0	75.0		G-3
BEECH F33 A/C BONANZA	3.4 3.4	TELEDYNE IO-520-B	1	260 2700 5	MCCAULEY 3A32C76/82NB-2	80 2700	3	V	175	78.3	-1.4	76.9		CE,G-3
BEECH F33 A/C BONANZA	3.4 3.4	TELEDYNE IO-520-BA	1	228 2550 5	MCCAULEY 2A36C23/84 B-0	84 2550	2	V	173	78.1	-1.5	76.6		CE
BEECH F90 SUPER KING AIR 90	10.9 10.9	PRATT&WHITNEY PT6A-135	2	754 1900 1	HARTZELL HC-B4TN-3B/T10173FB-10.5	92 1900	4	V	248	77.9	-5.0	72.9		CE
BEECH V35B BONANZA	3.4 3.4	TELEDYNE IO-520-B	1	260 2700 5	MCCAULEY 3A32C76/82 NB-2	80 2700	3	V	175	78.8	-2.0	76.8		CE,G-3

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE D E S	BLADE I C H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERP CORR	CORR. LEVEL	NOTES	REF.
BEECH V35B BONANZA	3.4 3.4	TELEDYNE IO-520-BA	1	228 2550 5	MCCAULEY 2A36C23/84B-0	84 2550	2	V	173	78.1	-1.5	76.6		CE
BELLANCA 17-30A VIKING	3.2 3.2	CONTINENTAL IO-520-K	1	225 2550 8	MCCAULEY D3A34C401/90DFA-12	78 2550	3	F	129	79.4	-1.9	77.5		GL
BELLANCA 7ECA CITABRIA	1.6 1.6	LYCOMING O-235-K2C	1	115 2700 2	SENSENICH 74DM6S8-1-56	72 2700	2	F		71.5	-2.7	68.8		GL
BELLANCA 7GCAA CITABRIA	1.6 1.6	LYCOMING O-320-A2B/-A2D	1	150 2700 2	SENSENICH 74DM6S8-1-56	73 2800	2	F		71.5	-4.7	66.8		GL
BELLANCA 7GCBC CITABRIA	1.6 1.6	LYCOMING O-320-A2B/A2D	1	150 2700 2	SENSENICH 74DM6S8-1-56	73 2700	2	F	117	71.5	-4.6	66.9		GL
BELLANCA 7GCBC SEAPLANE CITABRIA	1.8 1.8	LYCOMING O-320	1	150 2700 2	MCCAULEY 1A175GMA/8040	80 2500	2	F	89	68.4	1.9	70.3		GL
BELLANCA 8GCBC SCOUT	2.2 2.2	LYCOMING O-360-C1A/-C1E	1	180 2700 2	HARTZELL HC-C2YR-1BF/F7666A	76 2550	2	F		76.3	-3.4	72.9		GL
BELLANCA 8GCBC SCOUT	2.2 2.2	LYCOMING O-360-C2A/-C2E	1	149 2700 2	MCCAULEY 1A200/HFA	80 2550	2	F	113	76.3	-3.5	72.8		GL
BELLANCA 8KCAB DECATHLON	1.8 1.8	LYCOMING AEIO-320-E1B	1	150 2700 2	HARTZELL HC-C2YL-4P/FC7663-4	72 2800	2	V		72.2	-2.2	70.0		GL

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADES	PITCH CONT	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
BELLANCA 8KCAB DECATHLON	1.8 1.8	LYCOMING AEIO-320-E2B	1	150 2700 2	SENSENICH 74DM6S8-0	74 2800	2	F		72.2	-3.0	69.2		GL
BELLANCA 8KCAB DECATHLON	1.8 1.8	LYCOMING AEIO-360-H1A	1	180 2700 2	HARTZELL HC-C2YR-4CF/FC7666A-2	74 2900	2	V	122	72.2	-5.0	67.2		GL
CESSNA 152 MODEL 152	1.7 1.7	LYCOMING O-235-L2C	1	110 2550 8	MCCAULEY 1A102/TCM6955	69 2550	2	F	101	65.8	-1.0	64.8		S-1
CESSNA 152/A152 MODEL 152	1.7 1.7	LYCOMING O-235-L2C	1	110 2550 8	MCCAULEY 1A103/TCM6958	69 2550	2	F	104	66.7	-0.4	66.3		CE,S-1
CESSNA 172N (LAND) SKYHAWK	2.3 2.3	LYCOMING O-320-H2AD	1	160 2700 8	MCCAULEY 1C160/DTM 7557	75 2700	2	F	115	74.3	-0.5	73.8		CE,S-1
CESSNA 172N (SEA) SKYHAWK	2.2 2.2	LYCOMING O-320-H2AD	1	160 2700 8	MCCAULEY 1A175/ETM8042	80 2700	2	F	91	73.6	-1.4	72.2		CE,S-1
CESSNA 172P SKYHAWK	2.4	LYCOMING 0-320-D25	1	160 2700 8	MCCAULEY 1C160/DTM7557	75 2700	2	F	115	74.3	-0.5	73.8		G-3
CESSNA 172RG SKYHAWK RG	2.7 2.7	LYCOMING O-360-F1A6	1	180 2700 8	MCCAULEY B2D34C220/80VLA-3.5	76 2700	2	V	136	73.4	0.5	73.9		CE,S-1
CESSNA 177B CARDINAL	2.5 2.5	LYCOMING IO-360-A1F6D	1	180 2700 8	MCCAULEY B2D34C211/82PCA-6	76 2700	2	V	124	72.0	-0.3	71.7		CE,S-1

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE E S	PITCH C H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
CESSNA	2.8	LYCOMING	1	200	MCCAULEY	78	2	V	139	76.3	-0.7	75.6		CE,S-1
177RG	2.8	IO-360-AIB6D		2700	B2D34C207/78TCA-0	2700								
CARDINAL RG				8										
CESSNA	3.0	TCM	1	230	MCCAULEY	88	2	V	123	74.0	-2.2	71.8		CE,G-2,S-1
180K (AMPHIB)	3.0	O-470-U		2400	C2A34C204/90DCA-2	2400								
SKYWAGON				8										
CESSNA	2.8	TCM	1	230	MCCAULEY	90	2	V	140	73.0	-3.0	70.0		CE,G-2,S-1
180K (LAND)	2.8	O-470-U		2400	C2A34C204/90DCB-0	2400								
SKYWAGON				8										
CESSNA	3.0	TCM	1	230	MCCAULEY	82	2	V	138	72.0	-2.9	69.1		CE,G-2,S-1
182Q	3.0	O-470-U		2400	D2A34C203/90DCA-8	2400								
SKYLANE				8										
CESSNA	3.1	TCM	1	230	MCCAULEY	82	2	V	139	72.0	-2.9	69.1		G-3
182R		O-470-V		2400	D2A34C203/90DCA-8	2400								
SKYLANE				8										
CESSNA	3.8	TCM	1	285	MCCAULEY	80	3	V	139	79.0	0.8	79.8		CE,S-1
207A	3.8	IO-520-F		2700	D3A32C404/80VA-0	2700								
SKYWAGON				8										
CESSNA	3.8	TCM	1	285	MCCAULEY	80	3	V	138	77.8	-0.1	77.7		A-1,S-1
207A	3.8	IO-520-F		2700	D3A32C90/82NC-2	2700								
STATIONAIR				8										
CESSNA	7.3	PRATT&WHITNEY		600	HARTZELL	100	3	V	159	72.8	-1.1	71.7		CE
208	7.3	PT6A-114		1900	HC-B3MN-3	1900								
CARAVAN I				2										
CESSNA	8.0	PRATT&WHITNEY		600	HARTZELL	100	3	V	159	72.8	0.7	73.5		CE
208	7.8	PT6A-114		1900	HC-B3MN-3	1900								
CARAVAN I				2										

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE E	BLADE S	PITCH C	PITCH H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	NOISE LEVELS dBA PERF CORR	NOISE LEVELS dBA CORR. LEVEL	NOTES	REF.
CESSNA 208A CARAVAN I	8.0 7.8	PRATT&WHITNEY PT6A-114		600 1900 2	HARTZELL HC-B3MN-3	100 1900	3	V			159	72.8	0.7	73.5		CE
CESSNA 208B CARAVAN I	8.8 8.5	PRATT&WHITNEY PT6A-114		600 1900 2	HARTZELL HC-B3MN-3	100 1900	3	V			159	72.8	2.3	75.1		CE
CESSNA 210M CENTURION	3.8 3.8	TCM IO-520-L-3A	1	285 2700 8	MCCAULEY D3A34C404/80VA-0	80 2700	3	V			163	79.6	0.3	79.9		G-3
CESSNA 210N CENTURION	3.8 3.8	TCM IO-520-L-3A	1	285 2700 8	MCCAULEY D3A34C404/80VA-0	80 2700	3	V			163	79.6	0.0	79.6		CE,G-2
CESSNA 210R CENTURION	3.8 3.8	TCM IO-520-L	1	285 2700 8	McCAULEY D3A34C404/80VA-0	80 2700	3	V			163	79.6	-0.6	79.0		CE
CESSNA 310R	5.5 5.4	TCM IO-520-M	2	285 2700 8	MCCAULEY 3AF32C87/82NC-5.5	77 2700	3	V			184	82.0	-2.9	79.1		G-1,S-1
CESSNA 335	6.0 6.0	TCM TSIO-520-EB	2	300 2700 4	MCCAULEY 3AF32C87/82NC-5.5	77 2700	3	V			182	79.6	-1.5	78.1		G-1,S-1
CESSNA 337H SKYMASTER	4.6 4.4	TCM TSIO-360-C	2	195 2600 8	MCCAULEY D2AF34C307/L78CBA-2 (R)	76 2600	2	V			149	78.6	1.3	79.9		CE,S-1
CESSNA 337H SKYMASTER	4.6 4.4	TCM TSIO-360-C	2	195 2600 8	MCCAULEY D2AF34C310/90DEA-12 (F)	78 2600	2	V			149	78.6	1.3	79.9		CE,S-1

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE D E S	BLADE C H	BLADE P I T	TEST SPEED	NOISE LEVELS dBA MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
CESSNA	6.0	TCM	2	310	MCCAULEY	76	3	V		200	82.0	-5.5	76.5		G-1,S-1
340A	6.0	TSIO-520-N		2700	3AF32C93/82NC-5.5	2700									
				4											
CESSNA	6.0	TCM	2	310	MCCAULEY	77	3	V		195	83.4	-3.7	79.7		S-1
340A	6.0	TSIO-520-N		2700	3AF32C93/82NC-5.5	2700									
				3											
CESSNA	6.8	TCM	2	300	MCCAULEY	76	3	V		181	81.6	-2.8	78.8		S-1
402B	6.8	TSIO-520-E		2700	3AF32C87M/82NC-5.5	2700									
BUSINESS LINER				3											
CESSNA	6.8	TCM	2	325	MCCAULEY	76	3	V		182	80.8	-2.2	78.6		S-1
402C	6.8	TSIO-520-UB		2700	3AF32C92N/82NC-6.5	2700									
BUSINESS LINER				4											
CESSNA	6.8	TCM	2	310	MCCAULEY	77	3	V		190	77.2	-2.1	75.1		CE,S-1
402C	6.8	TSIO-520-VB		2600	3AF32C93/82NC-5.5	2600									
BUSINESS LINER				4											
CESSNA	8.4	PRATT&WHITNEY	2	550	HARTZELL	93	3	V			81.1	-5.0	76.1		SW
404	8.1	PT6A-34		2000	HCB3TN-3B/T10173-8R	2000									
TITAN				4											
CESSNA	8.4	TCM	2	375	MCCAULEY	90	3	V		185	81.6	-2.7	78.9		G-1,S-1
404	8.1	GTSIO-520-M		3350	3FF32C501/90UMB-0	3350									
TITAN				4											
CESSNA	9.4	PRATT&WHITNEY	2	500	MCCAULEY	93	3	V		213	75.0	-3.0	72.0		CE
406	9.4	PT6A-112		1900	3GFR34C701/93KB-0	1900									
CARAVAN II				1											
CESSNA	6.8	TCM	2	298	MCCAULEY	77	3	V		181	79.1	-2.5	76.6		G-1,S-1
414A	6.8	TSIO-520-N		2600	3AF32C93/82NC-5.5	2600									
CHANCELLOR				4											

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE S	BLADE E	BLADE C	BLADE H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
CESSNA	7.4	TCM	2	375	MCCAULEY	90	3	A	V		196	80.3	-3.6	76.7		G-1,S-1
421C	7.2	GTSIO-520-L		3350	3FF32C501/90UMB-0	3350		D								
GOLDEN EAGLE				4				I								
CESSNA	8.2	PRATT&WHITNEY	2	450	MCCAULEY	93	3	A	V		210	75.7	-4.3	71.4		CE
425	8.0	PT6A-112		1900	36FR34C701/93KB-0	1900		D								
CONQUEST I				4				I								
CESSNA	8.2	PRATT&WHITNEY	2	450	HARTZELL	93	3	A	V		210	75.7	-4.3	71.4		G-1,S-1
425	8.0	PT6A-112		1900	HC-B3TN-3C/T10178B-8R	1900		D								
CONQUEST I				4				I								
CESSNA	8.6	PRATT&WHITNEY	2	450	HARTZELL	93	3	A	V		210	75.7	-3.4	72.3		CE
425	8.0	PT6A-112		1900	HC-B3TN-3C/T10178B-8R	1900		D								
CONQUEST I				4				I								
CESSNA	9.9	AIRESEARCH	2	636	HARTZELL	90	3	A	V		210	78.0	-4.0	74.0		G-2,S-1
441	9.4	TPE331-8-401S		1990	HC-B3TN-5E/T10178-11	1990		D								
CONQUEST II				4				I								
CESSNA	9.9	AIRESEARCH	2	636	MCCAULEY	90	3	A	V		210	78.0	-4.0	74.0		CE
441	9.4	TPE331-8-401S		1990	36FR34C601/93JA	1990		D								
CONQUEST II				4				I								
CESSNA	3.3	TCM	1	285	MCCAULEY	80	3	A	V		126	78.9	-1.2	77.7		CE
A185F (AMPHIB)	3.1	IO-520-D		2700	D3A34C403/80VA-0	2700		D								
SKYWAGON				8				I								
CESSNA	3.3	TCM	1	285	MCCAULEY	80	3	A	V		126	78.9	-1.0	77.9		CE,G-2
A185F (FLOAT)	3.3	IO-520-D-24		2700	D3A32C90/82NC-2	2700		D								
SKYWAGON				8				I								
CESSNA	3.3	TCM	1	285	MCCAULEY	80	3	A	V		142	78.9	-1.0	77.9		CE,G-2,S-1
A185F (LAND)	3.3	IO-520-D		2700	D3A34C403/80VA-0	2700		D								
SKYWAGON				8				I								

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE E	BLADE S	PITCH C	PITCH B	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
CESSNA	3.3	TCM	1	260	MCCAULEY	80	3		V		117	77.3	-1.5	75.8		CE
A188B	3.3	IO-520-D		2700	D3A32C408/82NDA-2	2700										
AG TRUCK				8												
CESSNA	4.0	TCM	1	285	MCCAULEY	80	3		V		174	77.1	0.9	78.0		CE,G-2
P210N	3.8	TSIO-520-P		2600	D3A34C402/90DFA-10	2600										
CENTURION(PRESS				4												
CESSNA	4.0	PRATT&WHITNEY	1	450	HARTZELL	77	3		V		233	68.7	-2.0	66.8		NM
P210N ADVANCED		PT6A-135			HC-83TN-3C/T10282K-25-5Q	1900										
SPIRIT 750				2												
CESSNA	4.1	TCM	1	325	McCAULEY	80	3		V		174	80.2	-0.8	79.4		CE
P210R	4.1	T510-520-CE		2700	D3A36C410/80VM8-0	2700										
PRESS CENTURION				4												
CESSNA	4.7	TCM	2	208	MCCAULEY	76	2		V		178	80.8	-1.1	79.7		CE,S-1
P337H	4.4	TSIO-360-C		2600	D2AF34C305/L78CBA-2 (R)	2600										
PRESS SKYMASTER				4												
CESSNA	4.7	TCM	2	208	MCCAULEY	78	2		V		178	80.8	-1.1	79.7		CE,G-2
P337H	4.4	TSIO-360-C		2600	D2AF34C308/90DEA-12 (F)	2600										
PRESS.SKYMASTER				4												
CESSNA	2.5	TCM	1	195	MCCAULEY	76	2		V		127	74.7	-0.6	74.1		CE,G-2,S-1
R172K (LAND)	2.5	IO-360-K		2600	2A34C203/90DCA-14	2600										
HAWK XP				8												
CESSNA	2.5	TCM	1	195	MCCAULEY	80	2		V		113	76.4	-1.4	75.0		CE,S-1
R172K (SEA)	2.5	IO-360-K		2600	2A34C203/90DCA-10	2600										
HAWK XP				8												
CESSNA	3.1	LYCOMING	1	235	MCCAULEY	82	2		V		146	72.7	-2.0	70.7		CE,S-1
R182	3.1	O-540-J3C5D		2400	B2D34C214/90DHB-8	2400										
SKYLANE RG				8												

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE S	BLADE E	BLADE C	BLADE H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERP CORR	CORR. LEVEL	NOTES	REF.
CESSNA R182 SKYLANE RG	3.1	LYCOMING O-540-J3C5D	1	235 2400 8	MCCAULEY B3D32C407/82NDA-3	79 2400	3	V			152	70.3	-2.0	68.3		G-1,S-1
CESSNA T182 TURBO SKYLANE	3.1	LYCOMING O-540-L3C5D	1	235 2400 4	MCCAULEY B2D34C219/90DHB-8	82 2400	2	V			140	73.2	-0.7	72.5		G-1,S-1
CESSNA T182 TURBO SKYLANE	3.1	LYCOMING O-540-L3C5D	1	235 2400 4	MCCAULEY B3D32C407/82NDA-3	79 2400	3	V			141	69.5	-0.7	68.8		G-1,S-1
CESSNA T207A TURBOSTATIONAIR	3.8	TCM TSIO-520-G-1A	1	285 2600 4	MCCAULEY 3A32C401/90DFA-10	80 2600	3	V			140	77.9	-1.6	76.3		CE,G-2,S-1
CESSNA T210M TURBO CENTURION	3.8	TCM TSIO-520-H-4A	1	285 2600 4	MCCAULEY D3A34C-102/90DFA-10	80 2600	3	V			172	77.4	-1.6	75.8		G-3
CESSNA T210N TURBO CENTURION	4.0 3.8	TCM TSIO-520-R	1	285 2600 4	MCCAULEY D3A34C402/90DFA-10	80 2600	3	V			172	77.4	0.0	77.4		CE,G-2
CESSNA T210R TURBO CENTURION	4.1 4.1	TCM T510-520-CE	1	325 2700 4	McCAULEY D3A36C410/80VM8-0	80 2700	3	V			174	80.2	-0.8	79.4		CE
CESSNA T303 CRUSADER	5.2 5.0	TCM TSIO-520-AE	2	250 2400 4	MCCAULEY 3AF32C506/82NEB-8	74 2400	3	V			176	76.5	-2.2	74.3		CE
CESSNA T310R TURBO 310R	5.5 5.4	TCM TSIO-520-BB	2	285 2700 4	MCCAULEY 3AF32C87/82NC-4	78 2700	3	V			185	80.9	-3.2	77.7		G-1,S-1

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE, MODEL	MTOW LW 1000#	ENGINE MAKE, MODEL	ENGINE NO.	SHP RPM EXH	PROPELLER MAKE, MODEL	DIAM (IN) RPM	BLADES	PITCH	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
CESSNA T337H TURBO SKYMASTER	4.6 4.4	TCM TSIO-360-H	2	195 2600 4	MCCAULEY D2AF34C308/90DEA-12 (F)	78 2600	2	V	165	79.4	-1.0	78.4		CE,S-1
CESSNA T337H TURBO SKYMASTER	4.6 4.4	TCM TSIO-360-H	2	195 2600 4	MCCAULEY D2AF34C305/L78CBA-2 (R)	76 2600	2	V	165	79.4	-1.0	78.4		CE,G-2,S-1
CESSNA TR182 TURBOSKYLANE RG	3.1 3.1	LYCOMING O-540-L3C5D	1	235 2400 4	MCCAULEY B2D34C217/90DHB-8	82 2400	2	V	143	73.8	-1.2	72.6		CE,G-2,S-1
CESSNA TR182 TURBOSKYLANE RG	3.1 3.1	LYCOMING O-540-L3C5D	1	235 2400 4	MCCAULEY B3D32C407/82NDA-3	79 2400	3	V	155	70.6	-1.2	69.4		G-1,S-1
CESSNA TU206G TURBOSTATIONAIR	3.6 3.6	TCM TSIO-520-M	1	285 2600 4	MCCAULEY D3A34C402/90DFA-10	80 2600	3	V	145	78.5	-3.1	75.4		CE,S-1
CESSNA TU206G (AMPHIB) TURBOSTATIONAIR	3.6 3.6	TCM TSIO-520-M	1	285 2600 4	MCCAULEY D3A34C402/90DFA-10	80 2600	3	V	125	78.0	1.2	79.2		CE,S-1
CESSNA U206G STATIONAIR	3.6 3.6	TCM IO-520-F	1	285 2700 8	MCCAULEY D3A34C404/80VA-0	80 2700	3	V	137	77.9	-0.4	77.5		CE,S-1
CESSNA U206G (LAND) STATIONAIR	3.6 3.6	TCM IO-520-F-9	1	285 2700 8	MCCAULEY D3A34C404/80VA-0	80 2700	3	V	144	79.8	-0.4	79.4		CE
CESSNA U206G(SEAPLANE) STATIONAIR	3.5 3.5	TCM IO-520-F	1	285 2700 8	MCCAULEY D3A34C404/80VA-0	80 2700	3	V	133	80.2	-0.8	79.4		G-1

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE S	BLADE E	BLADE C	BLADE H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REP.
CLASSIC AIRCRAFT WACO F5 CLASSIC WACO	2.7 2.7	JACOBS R-755B2M		245 2050	SENSENICH W96JA72	96 2050	2	A	F		120	75.1	-2.3	72.8		CE
CLASSIC AIRCRAFT WACO F5 CLASSIC WACO	2.8 2.8	JACOBS R-755B2M		275 2200	SENSENICH W90T6JA72	90 2200	2	A	F		124	76.3	-0.7	75.6		CE
CURTISS-WRIGHT TRAVEL AIR 4000	2.5 2.5	LYCOMING R-680E3B	1	225 2050 2	HAMILTON STD 2B20/6135A	102 2050	2	A	F		130	75.2	-1.6	75.6		GL
DEHAVILLAND DHC-3 W/SAE STC	8.0	PRATT&WHITNEY PT6A-135/135A	1	 1900	HARTZELL HC-B3TN-3C/T10282	102	3	A	V			76.3	-0.3	76.0		NM
DORNIER 228-100	12.5 12.5	GARRETT TPE331-5-252D	2	715	HARTZELL HC-B4TN-5ML/LT	106	4	A						71.5		NM
EMBRAER EMB-110 BANDEIRANTE	12.5 12.0	PRATT&WHITNEY PT6A-34	2	750 2200	HARTZELL HC-BT3N-3C/T10178H-8R	93 2002	3	A	V		217	78.7	-1.4	77.3		SO
FAIRCHILD SA226-T(B) MERLIN IIIB	12.5 12.5	AIRESEARCH TPE331-10U-501G	2	900 4173 4	HARTZELL HC-B4TN-5EL/LT10282AB+2.5	106 1591	4	A	V		275	77.4	-4.6	72.8		SW
FAIRCHILD SA226TC METRO II	12.5 12.5	AIRESEARCH TPE331-3UW-303G	2	632 1920 4	HARTZELL HCB3 TN-5/T10282HB	102 1920	3	A	V		239	83.6	-3.8	79.8		SW
FAIRCHILD SA227-AC METRO III	12.5 12.5	AIRESEARCH TPE331-11U-601G	2	1000 4173 4	DOWTY ROTOL (C)R321/4-82-F/8	106 1591	4	A	V		250	76.7	-4.8	71.9		SW

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE E S	PITCH C H	TEST SPEED	NOISE LEVELS dBA MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
FAIRCHILD	14.0	AIRESEARCH	2	1000	DOWTY ROTOL	106	4	V	250	76.7	-2.2	74.5	1	SW
SA227-AC	14.0	TPE331-11U-601G		4173	(C)R321/4-82-F/8	1591								
METRO III				4										
FAIRCHILD	14.5	GARRETT	2	1000	DOWTY-ROTOL	106	4	F		76.7	-1.9	74.8	1	NM
SA227-AC		TPE331-11			R321/4-82-F/8	1591								
FAIRCHILD	16.0	GARRETT	2	1000	DOWTY-ROTOL	106	4	F		76.7	0.0	77.7	1	NM
SA227-AC		TPE331-11			R321/4-82-F/8	1591								
FAIRCHILD	12.5	AIRESEARCH	2	1000	DOWTY ROTOL	106	4	V	250	76.7	-4.8	71.9		SW
SA227-AT	12.5	TPE331-11U-601E		4173	(C)R321/4-82-F/8	1591								
MERLIN IVC				4										
FAIRCHILD	14.0	AIRESEARCH	2	1000	DOWTY ROTOL	106	4	V	250	76.7	-2.2	74.5	1	SW
SA227-AT	14.0	TPE331-11U-601G		4173	(C)R321/4-82-F/8	1591								
MERLIN IVC				4										
FAIRCHILD	12.5	AIRESEARCH	2	900	DOWTY ROTOL	106	4	V	275	77.4	-4.6	72.8		SW
SA227-TT	12.5	TPE331-10U-503G		4173	(C)R324/4-82-F/9	1591								
MERLIN IIIC				4										
FAIRCHILD	13.2	AIRESEARCH	2	900	DOWTY ROTOL	106	4	V	275	77.4	-4.1	73.3	1	SW
SA227-TT	13.2	TPE331-10U-503G		4173	(C)R324/4-82-F/9	1591								
MERLIN IIIC				4										
FUJI HEAVY IND.	6.8	LYCOMING	2	340	HARTZELL	79	3	V	190	80.8	-3.2	77.6		NM
700	6.6	TIO-540-R2AD		2500	HC-E3YR-2ATF/FC8468-5R	2500								
				4										
FUJI HEAVY IND.	8.3	LYCOMING	2	450	HARTZELL	93	3		201	82.7	-3.3	79.4		NM
710	8.3	TIGO-541-D1B		2133	HC-C3YN-2LDUF/FJC-9684-3R	2133								
				4										

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE E S	PITCH C B	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REP.
GRUMMAN G-44/SCAN 30	5.5	LYCOMING TIO/LTIO-540-J2BD	2		HARTZELL HC-C3YR-2UF/HC-C3YR-2LUF	87	3	V		82.8	-3.2	79.6		AA
GULFSTREAM 112B COMMANDER	2.8 2.8	AVCO LYCOMING IO-360-C1D6	1	200 2700 3	HARTZELL HC-E2YR-1BF/F8467-7R	77 2700	2	V	133	75.1	-0.5	74.6		SW
GULFSTREAM 112TC COMMANDER	2.8 2.8	AVCO LYCOMING T0-360-C1A6	1	210 2575 4	HARTZELL HC-E2YR-1BF/F8467-7R	77 2575	2	V	145	76.1	-1.3	74.8		SW
GULFSTREAM 112TCA COMMANDER	3.0 3.0	AVCO LYCOMING T0-360-C1A6	1	210 2575 4	HARTZELL HC-E2YR-18F/F8467-7R	77 2575	2	V	145	76.1	-1.3	74.8		SW
GULFSTREAM 114 COMMANDER	3.1 3.1	AVCO LYCOMING IO-540-T4A5D	1	260 2700 3	HARTZELL HC-C2YR-1BF/F8467-7R	77 2700	2	V	150	79.7	-1.2	78.5		SW
GULFSTREAM 114A COMMANDER	3.3 3.1	AVCO LYCOMING IO-540-T4B5D	1	260 2700 3	MCCAULEY B3D34C405/90DFA-13	77 2700	3	V	150	79.7	-1.2	78.5		SW
GULFSTREAM 690 TURBOCOMMANDER	10.3 9.6	AIRESEARCH TPE331-5-251K	2	700 1591 4	HARTZELL HC-B3TN-5FLLT10282H+4	106 1591	3	V	243	76.4	-5.0	71.4		G-3
GULFSTREAM 690A TURBOCOMMANDER	10.3 9.6	AIRESEARCH TPE331-5-251K	2	700 1591 4	HARTZELL HC-B3TN-5FLLT10288H+4	106 1591	3	V	243	76.4	-5.0	71.4		G-3
GULFSTREAM 690B TURBOCOMMANDER	10.3 9.7	AIRESEARCH TPE331-5-251K	2	700 1591 4	HARTZELL HC-B3TN-5FLLT10282H+4	106 1591	3	V	243	76.4	-5.0	71.4		G-3

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

ENGINE			PROPELLER		BLADES	PITCH		NOISE LEVELS dBA				
MAKE,MODEL	NO.	SHP RPM EXH	MAKE,MODEL	DIAM (IN) RPM			TEST SPEED	NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
AIRESEARCH TPE331-5-254K	2	700 1591 4	DOWTY ROTOL (C)R306/3-82-F/7(C)VP2926	106 1591	3	V	243	76.4	-5.0	71.4		G-3
AIRESEARCH TPE331-5-254K	2	737 2730 4	DOWTY ROTOL (C)R306/3-82-F/7(C)VP2926	106 1591	3	V	245	76.4	-5.0	71.4		SW
AIRESEARCH TPE331-10-501K	2	700 1591 4	DOWTY ROTOL (C)R306/3-82-F/7(C)VP2926	106 1591	3	V	243	76.4	-5.0	71.4		G-3
AIRESEARCH TPE331-10-501K	2	700 1591 4	DOWTY ROTOL (C)R306/3-82-F/7(C)VP2926	106 1591	3	V	252	71.8	0.0	71.8		G-3
AVCO LYCOMING TIO-540-R2AD	2	340 2500 4	HARTZELL HC-E3YR-2AFT/FC84685R	79 2500	3	V	175	77.8	-2.4	75.4		SW
LYCOMING O-235-C2C	1	108 2600 7	MCCAULEY SCM1A105/7154	71 2600	2	F	109	66.7	1.1	67.8		SO
LYCOMING O-235-C2C	1	108 2600 7	MCCAULEY SCM1A105/7157	71 2600	2	F	109	66.3	0.6	66.9		SO
LYCOMING O-235-L2C	1	115 2700 7	SENSENICH 72CK-0-56	71 2700	2	F	111	68.3	0.5	68.8		SO
LYCOMING O-320-D1D	2	160 2700	HARTZELL F2YL-2VFFC7663D-3	73 2700	2	V	160	74.2	-2.2	72.0		SO

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE E S	PITCH C H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
MAULE	2.3	LYCOMING	1	175	HARTZELL	76	2	V		72.3	0.0	72.3		SO
M-5-180C/-180TC	2.3	O-360-C1F		2700	HC-C2YR-1BF/F7666A	2700								
				3										
MAULE	2.3	LYCOMING	1	190	HARTZELL	77	2	V	135	73.3	0.0	73.3		SO
M-5-200	2.3	IO-360-J1A6D		2600	HC-E2YR-1BF/F8468A-6R	2600								
				3										
MAULE	2.3	LYCOMING	1	210	HARTZELL	74	2	V		74.6	-1.0	73.6		SO
M-5-210TC	2.3	IO-360-C1A-6D		2575	HC-E2YR-1BF/F8467-7R	2575								
LUNAR ROCKET														
MAULE	2.8	LYCOMING	1	235	HARTZELL	81	2	V	140	74.7	0.9	75.6		SO
M-5-235	2.8	O-540-J1A5D		2400	HC-C2YR-1BF/F8468A-3R	2400								
				3										
MAULE	2.3	LYCOMING	1	235	HARTZELL	78	2	V		72.6	-5.0	67.6		SO,A-1
M-5-235C	2.3	O-540-J1A5D/-W1A5D		2400	HC-C2YR-1BF/F8468A-6R									
LUNAR ROCKET														
MAULE	2.3	LYCOMING	1	175	HARTZELL	76	2	V	90	70.9	0.9	71.8		SO
M-6-180	2.3	O-360-C1F		2600	HC-C2YR-1BF/F7666A	2600								
				3										
MAULE	2.3	LYCOMING	1	235	HARTZELL	78	2	V		72.6	-5.0	67.6		SO
M-6-235	2.3	O-540-J1A5D/-W1A5D		2400	HC-E2YR-1BF/F8468A-6R	2400								
MAULE	2.5	LYCOMING	1		HARTZELL	81	2	V	223			71.3		CE
M-6-235	2.5	O-540-J1A5D			HC-C2YR-1BF/F8468A-3R	2700								
MAULE		LYCOMING	1		HARTZELL	81	2		117	74.7	-2.5	72.2		CE
M-7-235		O-540-J1A5D		2400	HC-C2YR-1BF/F8468A-3R	2400								
				3										

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LN 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE DESIGN	PITCH CONTROL	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
MAULE M-7-235		LYCOMING O-540-J1A5D	1	235 2400 3	HARTZELL HC-C2YR-1BF/F8468A-6R	78 2400	2		137	72.6	-0.3	72.3		CE
MITSUBISHI MU-2B-40	10.5 10.0	AIRESEARCH TPE331-10-501	2	665 4173 4	HARTZELL HC-B4TN-5DL/LT10282HB-5.3R	98 1591	4	V	250	77.4	-2.9	74.8		SW
MITSUBISHI MU-2B-60	11.6 11.6	AIRESEARCH TPE331-10-501M	2	715 4273 4	HARTZELL HC-B4TN-5DL/LT10282HB-5.3R	98 1591	4	V	250	77.7	-1.4	76.5		SW
MOONEY M20J 201	2.7 2.7	LYCOMING IO-360-A3B6D	1	192 2700	MCCAULEY B2D34C212/78CDA-4	74 2700	2	V	178	75.3	-1.3	74.0		SW
MOONEY M20L MOONEYPFM	2.9 2.9	PORSCHE PRM3200N03		 7	HARTZELL BHC-J2YF-1C/B7421	74 	3	V				76.6		SW
MOONEY AIRCRAFT M20K MOONEY 231	2.9 2.9	TELEDYNE TSIO-360-GB1	1	210 2700 4	MCCAULEY 2A34C216/90DHB-16E	74 2700	2	V	198	76.6	-1.1	75.4		SW
PARTENAVIA P68-TC	4.4 4.4	AVCO LYCOMING TO-360-C1A60	2		HARTZELL HC-C2YK-2CUF	76 2575	2	V				75.4		EU
PIPER PA-18-150 SUPER CUB	1.8 1.8	LYCOMING O-320-A2B	1	150 2700 7	SENSENICH M74DM6-0-56	74 2700	2	F	120	69.0	-3.1	65.9		EA,P-1
PIPER PA-23-250 AZTEC F	5.2 4.9	LYCOMING IO-540-C4B5	2	250 2575 6	HARTZELL HC-E2YR-20465-7R	77 2575	2	V	178	76.8	-1.1	75.7		EA,P-1

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE S	PITCH C	PITCH H	TEST SPEED	NOISE LEVELS dBA MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
PIPER	5.2	LYCOMING	2	250	HARTZELL	77	2	V		178	77.0	-0.8	76.2		EA,P-1
PA-23T-250	4.9	TIO-540-C1A		2575	HC-E2YR-28465-7R	2575									
AZTEC F				4											
PIPER	2.3	LYCOMING	1	160	SENSENICH	74	2	F		115	71.4	0.6	72.0		SO,P-1
PA-28-161	2.3	O-320-D3G		2700	74DM6-0-60	2700									
WARRIOR II				5											
PIPER	2.5	LYCOMING	1	180	SENSENICH	76	2	F		129	73.4	0.5	73.9		SO,P-1
PA-28-181	2.5	O-360-A4M		2700	76EM8S5-062	2700									
ARCHER II				5											
PIPER	3.0	LYCOMING	1	235	HARTZELL	80	2	V		148	72.5	0.4	72.9		SO,P-1
PA-28-236	3.0	O-540-J3A5D		2400	HC-F2YR-1F/F8468A-4R	2400									
DAKOTA				5											
PIPER	2.7	LYCOMING	1	200	SENSENICH	74	2	V		184	75.5	0.0	75.5		SO
PA-28R-200	2.7	IO-360-C1C		2700		2700									
ARROW II															
PIPER	2.9	LYCOMING	1	200	HARTZELL	76	2	V		144	69.1	0.5	69.6		SO
PA-28R-201T	2.9	TSIO-360-FB		2575	PHC-C3YF-1F/7663-2R	2575									
TURBO ARROWII				2											
PIPER	2.8	LYCOMING	1	200	MCCAULEY	74	2	V		138	74.4	1.1	75.5		SO,P-1
PA-28RT-201	2.8	IO-360-C1C6		2700	B2D34213/90DHA-16	2700									
ARROW IV				5											
PIPER	2.9	CONTINENTAL	1	200	HARTZELL	76	2	V		146	69.1	0.3	69.4		SO,P-1
PA-28RT-201T	2.9	TSIO-360-F		2575	BHC-C2YF-1F/F8459A-8R	2575									
TURBO ARROW IV				2											
PIPER	2.9	CONTINENTAL	1	200	HARTZELL	76	3	V		146	72.5	0.3	72.8		SO,P-1
PA-28RT-201T	2.9	TSIO-360F		2575	PHC-C3YF-1F/F7663-2R	2575									
TURBO ARROW IV				4											

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLA DES	PIC CRS	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
PIPER	6.5	LYCOMING	2	275	HARTZELL	80	3	V	186	77.0	-1.6	75.4		P-1
PA-31	6.5	TIO-540-2AC		2400	HC-E3YR-2ATF FC8468-6R	2400								
NAVAJO				4										
PIPER	6.5	LYCOMING	2	275	HARTZELL	80	3	V		78.0	-1.1	76.9		P-1
PA-31-325	6.5	TIO-540-F2BD		2400	HC-E3YR-2ATF FC8468-6R	2400								
NAVAJO C/R				4										
PIPER	7.0	LYCOMING	2	315	HARTZELL	80	3	V	175	78.0	0.9	78.9		P-1
PA-31-350	7.0	TIO-540-J2BD		2400	HC-E3YR-2ATF FC8468-6R	2400								
CHIEFTAIN				4										
PIPER	7.8	PRATT&WHITNEY	2	620	HARTZELL	93	3	V	215	76.5	-5.0	71.5		SW
PA-31P	7.8	PT6A-135		3810	HC-B3TN-3C/T10178-8R	1900								
COMANCHERO				4										
PIPER	9.0	PRATT&WHITNEY	2	620	HARTZELL	93	3	V	231	79.2	-5.0	74.2		EA
PA-31T	9.0	PT6A-28		3810	HC-B3TN-3B/T-10173B-8	2000								
CHEYENNE II				4										
PIPER	9.0	PRATT&WHITNEY	2	620	HARTZELL	93	3	V	231	78.2	-4.0	74.2		SO
PA-31T-62	9.0	PT6A-28		3810	HC-BTN-3B	2000								
CHEYENNE II				4										
PIPER	8.7	PRATT&WHITNEY	2	455	HARTZELL	93	3	V	206	76.6	-1.6	75.0		EA,P-1
PA-31T1	8.7	PT6A-11		3810	HC-B3TN-3B/T-10173B-8	2000								
CHEYENNE II				4										
PIPER	9.5	PRATT&WHITNEY	2	620	HARTZELL	93	3	V	231	79.2	-2.1	77.1		P-1
PA-31T2		PT6A-135		3810	HC-B3TN-3B/T-10173B-8	1900								
CHEYENNE II XL				4										
PIPER	9.0	PRATT&WHITNEY	2	455	HARTZELL	93	3	V	214	76.6	-1.0	75.6		NE
PA-31T3		PT6A-11		3810	HC-B3TN-3B/T-10173K-8R	2200								
T-1040				1										

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE E S	PITCH C H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
PIPER PA-32-300 CHEROKEE SIX	3.4 3.4	LYCOMING IO-540-K1A5	1	300 2700	HARTZELL HC-C2YR-1( )F/F8475D-4	80 2700	2	V		80.5	-1.2	79.3		SO,A-1
PIPER PA-32-301 SARATOGA	3.6 3.6	LYCOMING IO-540-K1G5	1	300 2700 5	HARTZELL HC-C3YR-1( )F/F7663R-0	78 2700	3	V	152	78.1	-0.6	77.5		P-1
PIPER PA-32-301 SARATOGA	3.6 3.6	LYCOMING IO-540-K1G5D	1	294 2600 5	HARTZELL HC-C2YR-1( )F/F8475D-4	80 2600	2	V	152	77.3	-0.6	76.7		P-1
PIPER PA-32-301T TURBO SARATOGA	3.6 3.6	LYCOMING TIO-540-SIAD	1	300 2700 4	HARTZELL HC-E3YR-1( )F/F7673DR	78 2700	3	V	158	76.1	-1.3	74.8		P-1
PIPER PA-32-301T TURBO SARATOGA	3.6 3.6	LYCOMING TIO-540-SIAD	1	294 2575 4	HARTZELL HC-E2YR-1( )F/F8477-4	80 2575	2	V	158	75.7	-1.3	74.4		P-1
PIPER PA-32R-301 SARATOGA SP	3.6 3.6	LYCOMING IO-540-K1G5D	1	294 2600 5	HARTZELL HC-C2YR-1( )P/F8475D-4	80 2600	2	V	152	77.3	0.3	77.6		P-1
PIPER PA-32R-301 SARATOGA SP	3.6 3.6	LYCOMING IO-540-K1G5D	1	300 2700 5	HARTZELL HC-C3YR-1( )F/F7663R-0	78 2700	3	V	152	78.1	0.3	78.4		P-1
PIPER PA-32R-301T TURBO SARATOGA	3.6 3.6	LYCOMING TIO-540-SAID	1	294 2575 4	HARTZELL HC-E2YR-1( )F/F8477-4	80 2575	2	V	158	75.7	0.4	76.1		P-1
PIPER PA-32RT-300 TURBO LANCE II	3.6 3.6	LYCOMING IO-540-S1AD	1	300 2700	HARTZELL HC-E2YR-1BF/F8477-4	80 2400	2	V		75.4	0.0	75.4		SO

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE	PITCH	TEST SPEED	NOISE LEVELS dBA MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
PIPER	4.6	LYCOMING	2	200	HARTZELL	76	2	V	170	75.7	-2.2	73.5		SO
PA-34-200T	4.3	TS10-360-E		2575	FC8459-8R/PJC8459-8R	2575								
SENECA II				4										
PIPER	4.6	TELEDYNE	2	200	MCCAULEY	76	3	V	169	78.6	-2.2	76.4		SO
PA-34-200T	4.3	TS10-360-E/EB		2575	80HA-4/L80HA-4	2575								
SENECA II				4										
PIPER	4.7	CONTINENTAL	2	200	HARTZELL	76	2	V	176	74.2	-2.8	71.4		SO,P-1
PA-34-220T	4.5	TSIO-360-KB		2600	BHC-C2YF-2CKUF/FCC8459-8R	2600								
SENECA III				4										
PIPER	4.7	CONTINENTAL	2	200	MCCAULEY	76	3	V	169	77.0	-2.8	74.2		SO,P-1
PA-34-220T	4.5	TSIO-360-KB		2600	3AF32C50B/82NFA-6	2600								
SENECA III				4										
PIPER	1.7	LYCOMING	1	112	SENSENICH	72	2	F	105	67.8	0.0	67.8		P-1
PA-38-112	1.7	O-235-L2C		2600	72CK-O-56	2600								
TOMAHAWK				5										
PIPER	11.2	PRATT+WHITNEY	2	720	HARTZELL	95	3	V	230	80.3	-3.5	76.8		P-1
PA-42	10.2	PT6A-41		2000	HC-B3TN-3B/T10173AB-6Q	2000								
CHEYENNE III				4										
PIPER	12.1	GARRETT	2	1000	DOWTY ROTOL	106	4	V		75.1	-5.0	70.1		CE
PA-42-1000	11.1	TPE331-14A-801Y		1540	R339/4-123-F/8RH R341/4---LH	1540								
CHEYENNE IV				4										
PIPER	3.8	LYCOMING	2	180	HARTZELL	73	3	V	168	77.2	-2.5	74.7		P-1
PA-44-180	3.8	O-360-E1D		2700	HC-C3YR-2EUF/FC-7663-5R	2700								
SEMINOLE				2										
PIPER	3.9	LYCOMING	2	180	HARTZELL	73	3	V	162	74.7	-2.3	72.4		P-1
PA-44-180T	3.8	TO-360-E1A6D		2575	HC-C3YR-2EUF FC-7663-5R	2575								
TURBO SEMINOLE				4										

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADES	PITCH CONTROL	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
PIPER PA-44-180T TURBO SEMINOLE	3.9 3.8	LYCOMING TO-360-E1A6D	2	180 2575 4	HARTZELL HC-C2YR-2CUF FC7666A-2R	74 2575	2	V	162	73.8	-2.3	71.5		P-1
PIPER PA-46-310P MALIBU	3.9	CONTINENTAL TSIO-520-BE		310 2600 4	HARTZELL BHC-C2YF-1BF/F8052	80	2	V	174	74.5	0.0	74.5		SO
PIPER PA-60-700P AEROSTAR	6.3	LYCOMING TIO-540-U2A	2	350 2500 4	HARTZELL HC-C3YR-2UF/FC7451	76 2500	3	V	217	80.8	-1.9	78.9		SO
PIPER PA-600A AEROSTAR	5.5 5.5	LYCOMING IO-540-K1J5	2	284 2520	HARTZELL HC-C3YR-2UF FG-8486-10Q	78 2520	3	V		82.4	-2.4	80.0		P-1
PIPER PA-601P AEROSTAR 601P	6.0 6.0	LYCOMING IO-540-S1A5/-P1A5	2	290 2575	HARTZELL HC-C3YR-2/C8468-8R	78	2	V		81.5	-1.7	79.8		SO
PIPER PA-602P AEROSTAR PRESS.	6.0 6.0	LYCOMING IO-540-AA1A5	2	290 2425 4	HARTZELL HC-3YR-2UF/FC8468-8R	78 2425	3	V	208	81.9	-2.6	79.3		P-1
SIAI MARCHETTI F-260C	2.4 2.4	AVCO LYCOMING AEIO-540-D4A5	1		HARTZELL HC-C2YR-1BF	76 2700		V				73.2		EU
SIAI MARCHETTI SF 600 CANGURO	7.5 7.5	ALLISON 250-B17C	2		HARTZELL HC-B3TF-7A/T10173-11R	90 2030	3	V				74.3		EU
SIAI-MARCHETTI SF260 TURBO PROP	2.6 2.6	ALLISON 250-B17D		320 4	HARTZELL HC-B3TF-7A	76 2030	3		187	77.0	-5.0	72.0		CE

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES
(FAR PART 36, APPENDIX F)

AIRCRAFT MAKE,MODEL	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE E S	PITCH C H	TEST SPEED	NOISE LEVELS dBA MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
SOCATA TB 10 TOBAGO	2.5 2.4	LYCOMING O-360-A1-AD	1	180 2700	HARTZELL HC-C2YK-1BF/F 7666A2	74 2700	2	V	123			70.7		EU
SOCATA TB 20 TRINIDAD	3.1 2.9	LYCOMING IO-540-C4D5D	1	250 2575	HARTZELL HC-C2YK-1BF/F 8477-4	80 2575	2	V	95			74.0		EU
SOCATA TB 21 TRINIDAD TC	3.1 2.9	LYCOMING IO-540-AB1AD	1	310 2575	HARTZELL HC-C2YK-1BF/F 8477-4	80 2575	2	V	95			75.4		EU
SOCATA TB 9 CLUB	2.3 2.3	LYCOMING O-320-D2A	1	160 2700	SENSENICH 74 DM 658-O-54	74 2700	2	F	135			72.2		EU
TAYLORCRAFT BC-12D	1.2 1.2	AVCO LYCOMING I0-360-E2A	1	118 2500 3	HENDRICKSON H73-A50	71 2500	2	F	105	72.6	-5.0	67.6		SW
TAYLORCRAFT F-19	1.5 1.5	CONTINENTAL 0-200-A	1	100 2750 5	MCCAULEY 1A105/SCM6950	69 2750	2	F		69.1	-0.7	68.4		GL
TAYLORCRAFT F-21	1.5 1.5	LYCOMING 0-235-L2C	1	112 2600 5	SENSENICH 72CK-0-50	71 2800	2	F	96	69.0	-0.2	68.8		GL
TRIDENT TR-1	3.8 3.8	TELEDYNE TIARA 6-285-C4	1	232 4000 7	HARTZELL HC-H3YF-3LF/FL-C9684-I2	84 4000	3	V	122	78.2	-1.0	77.2		EA

APPENDIX 7 REFERENCES

A-1 : ADVISORY CIRCULAR 36-1B 12/5/77
AA : ACOUSTICAL ANALYSIS ASSOCIATES
B-1 : BEECH
BA : BRITISH AEROSPACE
CE : CENTRAL REGION
EA : EASTERN REGION
G-1 : GAMA DATA 2/27/81 (ADDITIONAL DATA)
G-2 : GAMA DATA 2/27/81 (CORRECTIONS)
G-3 : GAMA DATA 8/15/81
GL : GREAT LAKES REGION
NE : NEW ENGLAND REGION
NM : NORTHWEST MOUNTAIN REGION
P-1 : PIPER DATA 8/31/81
S-1 : CESSNA DATA
SO : SOUTHERN REGION
SW : SOUTHWEST REGION

APPENDIX 7 NOTES

1 MAXIMUM TAKEOFF WEIGHT GREATER THAN 12,500 LBS. - AIRCRAFT CERTIFICATED TO FAR PART 41 OR PAR PART 23 COMMUTER CATEGORY

EXHAUST CONFIGURATIONS (RECIPROCATING ENGINES)

1 STUB PIPES
2 SMALL COLLECTOR, SHORT EXHAUST PIPE
3 BAFFLES IN COLLECTOR AND/OR CONES IN EXHAUST PIPE
4 TURBINE OR TURBOCHARGER
5 HEAT MUFF
6 COLLECTOR WRAPAROUND MANIFOLD STRAIGHT PIPE
7 MANIFOLD MUFFLER
8 RESONATOR MUFFLER

EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS FOR PROPELLER DRIVEN SMALL AIRPLANES AND COMMUTER CATEGORY AIRPLANES

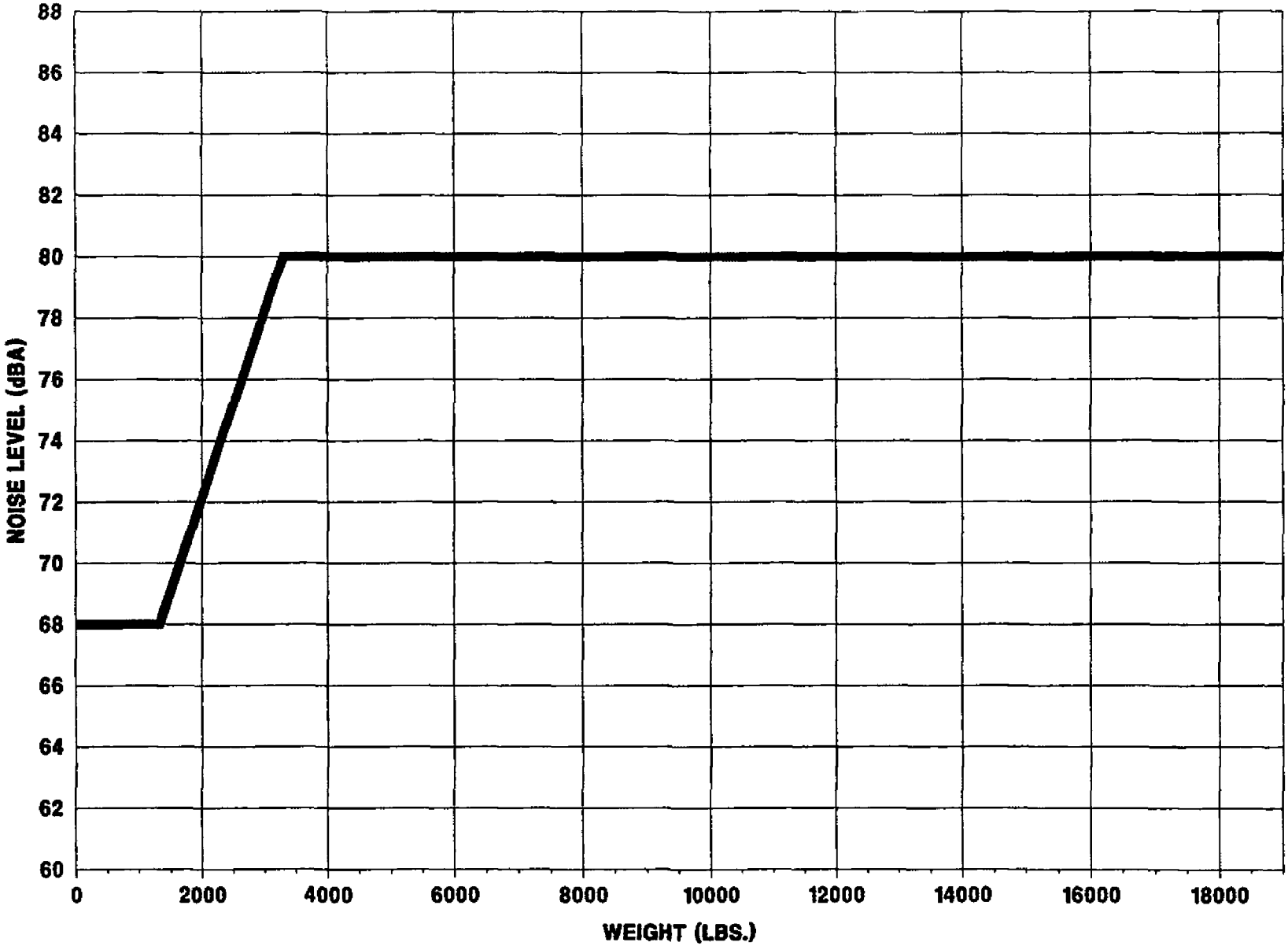
Application for Type Certification on or After January 1, 1975

UP TO AND INCLUDING 1,320 LBS.	68 dB(A)
OVER 1,320 LBS. UP TO AND INCLUDING 3,300 LBS.	dB(A) limit = 68 +(W-1320)/165
OVER 3,300 LBS.	80 dB(A)

W = TAKEOFF GROSS WEIGHT IN POUNDS

NOISE CERTIFICATION REQUIREMENTS - FAR PART 36, APPENDIX F

PROPELLER DRIVEN SMALL AIRPLANES AND COMMUTER CATEGORY AIRPLANES



APPENDIX 8
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES AND COMMUTER CATEGORY AIRPLANES
(FAR PART 36, APPENDIX G)

			ENGINE			PROPELLER		BLADES		NOISE		
AIRCRAFT MAKE	AIRCRAFT MODEL	MTOW LW 1000#	MAKE,MODEL	NO	SHP RPM	MAKE,MODEL	DIAM (IN) RPM	D E S	T C H	LEVEL dBA	NOTES	REFERENCE
CESSNA	208/208A	8.0	PRATT & WHITNEY	1	600	MCCAULEY	106.0	3	V	81.6		CE
	CARAVAN	8.0	PT6A-114			3GFR34C703-X/X-106GA-C	1900					
CESSNA	208B	8.8	PRATT & WHITNEY	1	600	MCCAULEY	106.0	3	V	84.2		CE
	CARAVAN	8.8	PT6A-114			3GFR34C703-X/X-106GA-C	1900					
CESSNA	208B	8.8	PRATT & WHITNEY	1	675	MCCAULEY	106.0	3	V	82.7		CE
	CARAVAN	8.8	PT6A-114A			3GFR34C703-X/X-106GA-C	1900					
CESSNA	208B	8.8	PRATT & WHITNEY	1	675	HARTZELL	100.0	3	V	80.1		CE
	CARAVAN	8.8	PT6A-114A			HCBCMN3/M10083	1900					
CESSNA	TU206G(WIPAIRE)	3.8	CONTINENTAL TCM	1		MCCAULEY	80.0	3	V	82.0		CE
			TSIO-520M			D3A34C402/90DFA-10	2700					
CESSNA	U206F(WIPAIRE)	3.8	CONTINENTAL TCM	1		MCCAULEY	80.0	3	V	84.3		CE
		3.8	IO-550-F			D3A34C402/90DFA-10	2700					
CESSNA	U206G(WIPAIRE)	3.8	CONTINENTAL TCM	1		MCCAULEY	80.0	3	V	84.3		CE
		3.8	IO-550-F			D3A34C402/90DFA-10	2700					
DORNIER COMP.	SEASTAR CD 2	10.1	PRATT & WHITNEY	2		MCCAULEY	94.5	4	V	78.5		EU
	SEASTAR	9.9	PT6A-135A			4HFR34C760/4HFR34C761	1900					
FAIRCHILD	SA227-DC	16.5	GARRETT	2		MCCAULEY	106.0	4	V	80.9		SW
	METRO 23	15.7	TPE331-12UA/AR701G			4HFR34C652X/X-L106LA-O	1591					
GYROFLUG-INGENIEUR	SC 01 B-160	1.6	LYCOMING	1	153	MT-PROPELLER	60.3	3	V	72.0		AA
		1.6	O-320 D1A		2500	MTV-6-C/LD 152-07	2500					
MOONEY	M20M	3.4	LYCOMING	1	270	MCCAULEY	75.0	2	V	74.0		SW
		3.4	TIO-540-AF1A		2575	B3D32C417/G82NRd07	2575					

APPENDIX 8
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN SMALL AIRPLANES AND COMMUTER CATEGORY AIRPLANES
(FAR PART 36, APPENDIX G)

			ENGINE			PROPELLER		BLADES	PISTON DISPLACEMENT	TURBOCHARGED	NOISE LEVEL	NOTES	REFERENCE
AIRCRAFT MAKE	AIRCRAFT MODEL	MTOW LW 1000#	MAKE,MODEL	NO	SHP RPM	MAKE,MODEL	DIAM (IN) RPM				dBA		
PIAGGIO	P. 180	10.8	PRATT & WHITNEY	2		HARTZELL	85.0	5	V		81.9		EU
	AVANTI	10.8	PT6A-66			HC8218X9/LM8218X9	2000						

APPENDIX 8 REFERENCES

AA : ACOUSTICAL ANALYSIS ASSOCIATES

CE : CENTRAL REGION

EU : EUROPEAN REGION

SW : SOUTHWEST REGION

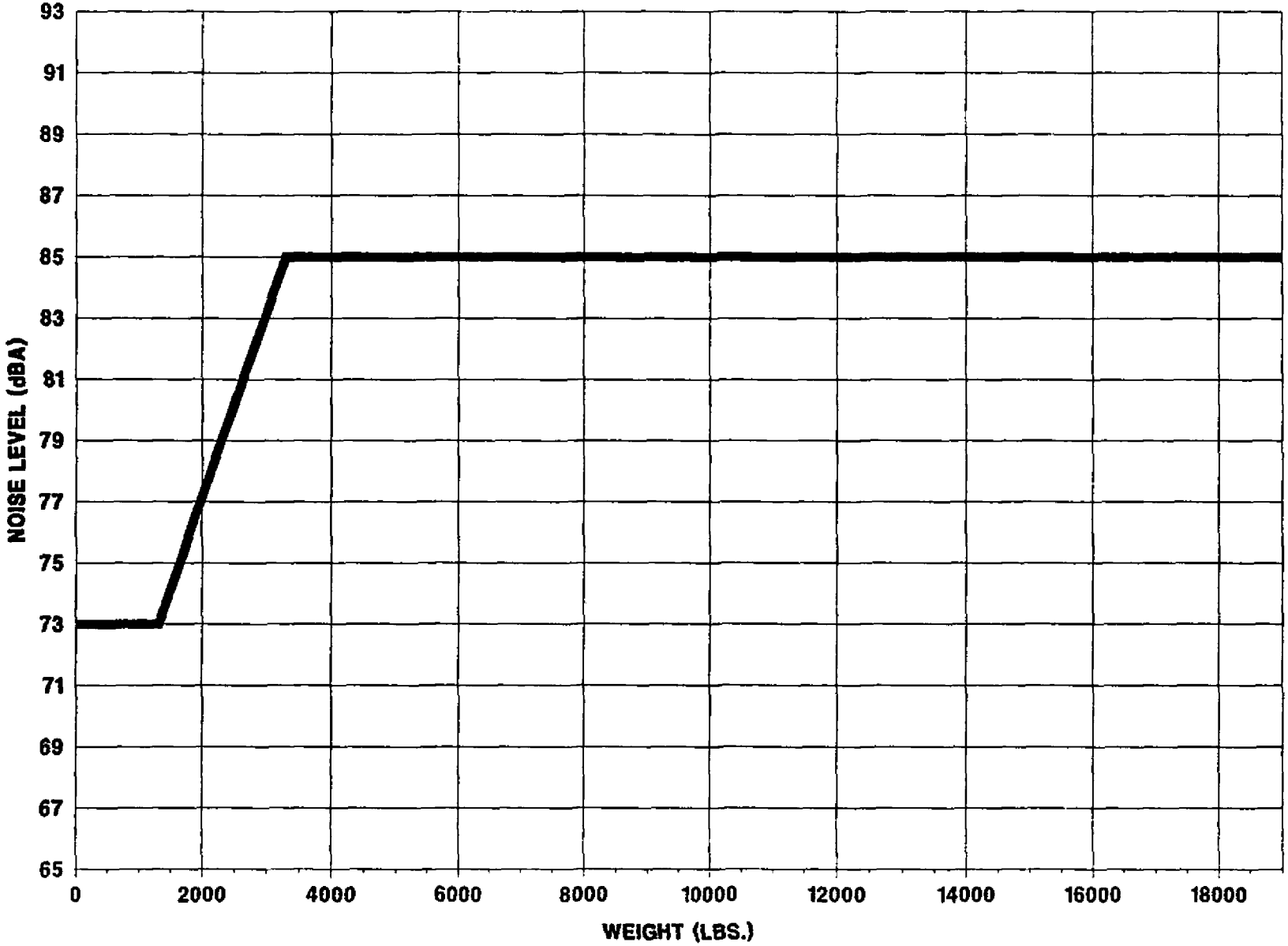
EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS FOR PROPELLER DRIVEN SMALL AIRPLANES AND COMMUTER CATEGORY AIRPLANES

FAR Part 36, Appendix G
Noise Limit (dBA)

UP TO AND INCLUDING 1,320 LBS.	73
OVER 1,320 LBS. TO 3,300 LBS.	73 +(W-1320)/165
OVER 3,300 LBS.	85

NOISE CERTIFICATION REQUIREMENTS - FAR PART 36, APPENDIX G

PROPELLER DRIVEN SMALL AIRPLANES AND COMMUTER CATEGORY AIRPLANES



APPENDIX 9
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN SMALL AIRCRAFT

AIRCRAFT MAKE MODEL POPULAR NAME	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BL AE DS	PI TH	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
A. SCHLEICHER ASK 16	1.6	LIMBACH L2000-EB-1	1	74	HOFFMANN HO-V62R/LT160T	63 2700	2	V	86	60.	-1.3	58.7		I-0
AIRCONCEPT VOWI-10	0.7	LIMBACH SL-1700-EA	1	59	HOFFMANN HO-11-150B65L	59 3100	2	F	62	64.1	-1.3	62.8		I-0
AKA-FLIEG STUTTGART FS-28 AVISPA	2.0	LYCOMING IO-360-B17	1	181	HOFFMANN HO-V-132K-X/LD210	78 2200	2	V	114	72.1	-1.4	70.6		I-0
ALPLA-WERKE AVO-68S	1.5	LIMBACH SL-1700-EI	1	59	HOFFMANN HO-11-150B75L	59 3025	2	F	78	62.8	1.8	64.6		I-0
ALPLA-WERKE AVO-68S	1.5	LIMBACH SL-1700-EI	1	59	HOFFMANN HO-11-150B-75L	59 3125	2	F	82	64.1	1.8	65.9		I-0
BEECH B76 DUCHESS	4.0	LYCOMING O-360-A1G6D	2	165 2700 1	HARTZELL HC-M2YR-2CLUF/FC7666A	76 2700	2	V	160	79.5	-2.3	77.2		I-1,G-3
BEECH (EXCALIBUR) 65-B80 QUEEN AIR	8.8 8.8	LYCOMING IO-720-A1B	2	2400	HARTZELL HC-A3VK-2/V8433N-2R	2400	3	V	115	77.0	-0.7	76.3		I-6
BRITTEN-NORMAN BN2-A-6	6.3	LYCOMING O-540-	2	256	HARTZELL HC-C2YK-2CF/FC8477A-4	79 2650	2	V	139	82.3	-3.7	78.6		I-0
BUCKER (UMBAU) BU 131	1.5	LYCOMING AIO-320-C1B	1	153	HOFFMANN HO-23 A-188 125	74 2600	2	F	89	69.6	-6.2	64.6		I-0

APPENDIX 9
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN SMALL AIRCRAFT

AIRCRAFT MAKE / MODEL / POPULAR NAME	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE D S	PITCH C H	TEST SPEED	NOISE LEVELS dBA: NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
GREAT LAKES 2T-1A-2	1.8	LYCOMING AEIO-360-B1G6	1	177	HARTZELL HC-C2YK-4BF	74 2700	2	V	91	74.4	-5.	69.4		I-0
GULFSTREAM AMERICAN AA-1A TRAINER	1.5	LYCOMING O-235-C2C	1	108 2500	MC CAULEY SCM1A105/7154	71 2500	2	F	105	68.3	0.3	68.6		I-5
GULFSTREAM AMERICAN AA-5A CHEETAH	2.2	LYCOMING O-320-E2G	1	150 2680	MC CAULEY 1C172/BTM7359	73 2680	2	F	113	73.3	-0.6	72.7		I-5
LEICHTFLUG-TECHNIK LFU-205	2.7	LYCOMING IO-360-A1C	1	197	HARTZELL HC-C2YK-1B/F7666A-2	74 2680	2	V	147	72.9	0.1	73.		I-0
LET KONVICE BLANIK-L-13M	1.3	VK VW 1500-FR	1	50	HOFFMANN HO-11-130B-100D	51 3600	2	F	83	59.5		59.5		I-0
MBB BO-208 JUNIOR	1.4	CONTINENTAL O-200-A	1	99	MCCAULY 1A-100MCM-6955	69 2700	2	F	106	67.3		67.3		I-0
MBB BO-208 JUNIOR	1.4	CONTINENTAL O-200-A	1	69	MCCAULY 1A-100MCM-6950	69 2750	2	F	105	66.9		66.9		I-0
MBB BO-208 JUNIOR	1.4	CONTINENTAL O-200-A	1	99	MCCAULY 1A-100MCM-6758	67 2750	2	F	110	67.5	-1.	66.5		I-0
MBB BO-209 MONSUN	1.8	LYCOMING O-320-E1F	1	147	HARTZELL HC-C2YL-1B/7663A-6 'Pa	76 2700	2	V	120	70.7	-1.6	69.1		I-0

APPENDIX 9
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN SMALL AIRCRAFT

AIRCRAFT MAKE / MODEL / POPULAR NAME	MTOW LW 1000#	ENGINE MAKE,MODEL	ENGINE NO.	ENGINE SHP RPM EXH	PROPELLER MAKE,MODEL	PROPELLER DIAM (IN) RPM	BLADES	PROP TYPE	TEST SPEED	NOISE LEVELS dBA: NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
MBB BO-209 MONSUN	1.8	LYCOMING IO-320-D1A	1	157	HARTZELL HC-C2YL-1B/7663-SP	76 2700	2	V	127	70.8	-3.2	67.6		I-0
MBB BO-209-FF MONSUN	1.8	LYCOMING O-320-E2F	1	147	MCCAULY 1C-172MGM70-5-66	70 2680	2	F	126	70.6	-0.9	69.7		I-0
MBB SIAT 223	2.3	LYCOMING IO-360-C1D6	1	197	HARTZELL HC-C2YK-1BF	76 2700	2	V	111	72.8		72.8		I-0
MORANE SAULNIER MS-885	1.9	CONTINENTAL O-300-A	1	145	MCCAULY 1C-172MDM-7652	76 2400	2	F	96	71.3	-0.3	70.3		I-0
MORAVAN CSSR ZLIN 43	3.0	MORAVAN M337A	1	168	AVIA-PRAHA V500A	79 2600	2	V	104	71.7	1.4	73.1		I-0
MUDRY CAARP CAP 10	1.8	LYCOMING 10 360 B2F	1	241 2700	HOFFMANN HO 29 HM 80170	71 2700	2	F		67.		67.		I-1
PARTENAVIA P 68 B VICTOR	4.3	LYCOMING IO-360-A1B6	2	200 2700	HARTZELL HC-C2YK-2CF/FC7666A-4	72 2680	2	V		79.6	-5.	74.6		I-0
PILATUS BRITTEN BN 2A-2 ISLANDER	6.3	LYCOMING IO-540-K1B5	2	300 2500 4	HARTZELL HC-C2YK-2CF/FC8477A-4	80 2500	2	V	147	80.7	-5.	75.7		I-5
PILATUS BRITTEN BN-2T NORMAN ISLANDER	6.6	ALLISON 250-B17C	2	320 3	HARTZELL HC-C3YF-5/FC8475-6	80 2030	3	V	146	72.3	-4.1	68.2		I-5

APPENDIX 9
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN SMALL AIRCRAFT

AIRCRAFT MAKE MODEL POPULAR NAME	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADES	PROP TYPE	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
PILATUS BRITTEN BN2A MIII-2 TRISLANDER	9.5	LYCOMING O-540-EAC5	3	260 2500 4	HARTZELL HC-C2YK-CUF/FC8477A-6	78 2500	2	V	151	79.4	-2.	77.4		I-5
PILATUS BRITTEN BN2A MIII-2 TRISLANDER	9.5	LYCOMING O-540-EAC5	3	260 2500 4	HARTZELL HC-2CYK-2CUF/FC8477A-4	80 2500	2	V	152	80.	-2.	78.		I-5
PILATUS BRITTEN BN2A MK. III-3 TRISLANDER	10.0	LYCOMING O-540-E4C5	3	260 2500 4	HARTZELL HC-C2YK-2CUF/FC8477A-6	78 2500	2	V	151	79.4	-0.9	78.5		I-5
PILATUS BRITTEN BN2A MKIII-3 TRISLANDER	10.0	LYCOMING O-540-EAC5	3	260 2500 4	HARTZELL HC-C2YK-2WF/FC8477A-4	80 2500	2	V	152	80.	-0.9	79.1		I-5
PILATUS BRITTEN BN2A-2 ISLANDER	6.3	LYCOMING IO-540-K1B5	2	300 2500 4	HARTZELL HC-C2YK-2CF/FC8477A-6	78 2500	2	V	146	77.9	-5.	72.9		I-5
PILATUS BRITTEN BN2A-21 TRISLANDER	6.6	LYCOMING IO-540-K1B5	2	300 2500 4	HARTZELL HC-C2YK-2CF/FC8477-6	78 2500	2	V		77.9	-4.	73.9		I-5
PILATUS BRITTEN BN2A-21 TRISLANDER	6.6	LYCOMING IO-540-K1B5	2	300 2500 4	HARTZELL HC-C2YK-2CF/FC8477A-4	80 2500	2	V	147	80.7	-4.	76.7		I-5
PILATUS-PORTER PC-6C1-H2/PC-6T	4.8	AIRESEARCH TPE331-1-100	1	576	HARTZELL HC-B3TN-5C/T10178C/-CH	102 2000	3	V	102	74.6	-5.	69.6		I-0
PIPER PA-28-150	2.2	LYCOMING O-320-E2A	1	2700	SENSENICH M74-DM-58	74 2700	2	F	103	70.6	0.9	71.5		I-5

APPENDIX 9
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN SMALL AIRCRAFT

AIRCRAFT MAKE / MODEL / POPULAR NAME	MTOW LN 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BL DE HS	PI TC	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
POLISH PZL-104 WILGA	2.9 2.87	PZL-FRANKLIN AI-14R	2	260 2050 2	US 122	104 1620	2	V	93	72.3	-3.8	68.5		I-2
POLISH PZL-104 W/ T-05 WILGA	2.9 2.87	PZL-FRANKLIN AI-14R	2	260 2050 5	US 122	104 1620	2	V	92	65.4	-3.8	61.6		I-2
POLISH PZL-110 KOLIBER	1.7 1.7	PZL-FRANKLIN 4A.235 B	2	125 2050 2	US 135	70 2800	2	F		67.	2.8	69.8		I-2
REIMS AVIATION F 152 II	1.7	LYCOMING C235 L2C	1	109 2550	MCCAULEY 1A 103/TCM 6958	69 2550	2	F	110	65.7	-1.	64.7		I-1
REIMS AVIATION F 172 M	2.3	LYCOMING C 320 E2D	1	150 2700	MCCAULEY 1C 16//DTM 7557	75 2700	2	F	124	72.7	1.2	73.9		I-1
REIMS AVIATION F 172 N	2.3	LYCOMING C 320 H2AD	1	160 2700	MCCAULEY 1C 160/DTM 7557	75 2700	2	F	124	73.4	-0.1	73.3		I-1
REIMS AVIATION F 182 P	3.0	CONTINENTAL O 470 S	1	230 2600	MCCAULEY 2A 34C 66	82 2600	2	V	142	77.4	-1.4	76.		I-1
REIMS AVIATION F 182 Q	3.0 2.95	CONTINENTAL 0470 U	1	230 2400	MCCAULEY 2A 34C 204	82 2400	2	V	150	72.1	-2.4	69.7		I-1
REIMS AVIATION FR 172K	2.6	CONTINENTAL IO 360 K	1	195 2600	MCCAULEY 2A 34C 203	77 2600	2	V	129	73.2	-1.1	72.1		I-1

APPENDIX 9
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN SMALL AIRCRAFT

AIRCRAFT MAKE / MODEL / POPULAR NAME	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADE S	PROP E	PROP C	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
REIMS AVIATION FR 182	3.1	LYCOMING 0540J3CSD	1	235 2400	MCCAULEY B2D 34C 214	82 2400	2	V		159	73.1	-2.5	70.6		I-1
ROBIN DR 400/120A PETIT PRINCE	2.0 1.98	LYCOMING 0 235 L2A	1	118 2700	MCCAULEY 1A 135 DCM 7150	71 2700	2	F		109	68.2	2.4	70.6		I-1
ROBIN DR 400/160 CHEVALIER	2.3 2.31	LYCOMING 0 320 D	1	160 2700	SENSENICH 74 DM 65264	74 2700	2	F		129	72.9	0.3	73.2		I-1
ROBIN DR 400/180 REGENT	2.4 2.43	LYCOMING 0 360 A 3A	1	180 2600	SENSENICH 76EM855-064	76 2600	2	F		134	72.2	0.9	73.1		I-1
ROBIN DR 400/180R REGENT	2.2 2.2	LYCOMING 0-360 A3A	1	180 2700	SENSENICH 76 EM 855058	76 2700	2	F		117	74.1	-2.5	71.6		I-1
ROBIN DR400/120 PETIT PRINCE	2.0 1.98	LYCOMING 0 235-L2A	1	116 2700	SENSENICH 72 CKS-6-056	72 2700	2	F		145	69.6	2.	71.6		I-1
ROBIN HR 100-285 TIARA	3.1 3.09	CONTINENTAL TIARA 6 285 B	1	285 4000	HOFFMANN 2000TR/MN	79	3	V			74.2	-1.3	72.9		I-1
ROBIN R 2112	1.8 1.76	LYCOMING 0 235 L2A	1	112 2600	SENSENICH 72 CK 56-056	72 2600	2	F		110	67.3	0.2	67.5		I-1
ROBIN R 2160 AEROBIN	1.8 1.76	LYCOMING 0 320 D	1	160 2600	SENSENICH 74DM65 5264	72 2600	2	F		132	72.4	-2.6	69.8		I-1

APPENDIX 9
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN SMALL AIRCRAFT

AIRCRAFT MAKE MODEL POPULAR NAME	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	B L A D E S	P I T C H	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
SAAB FAIRCHILD MFI-15-200A	4.4	LYCOMING IO-360-A1B6	1	197	HARTZELL HC-2CYK-4BP	74 2700	2	V	120	73.8	0.7	74.5		I-0
SCHEIBE FLUGZEUGBAU SF-25C	1.3	LIMBACH SL-1700-EA	1	48	HOFFMANN HO-11-150B-75L	59 2800	2	F	82	58.3	-1.	57.3		I-0
SCHEIBE FLUGZEUGBAU SF-27 M-B	0.9	HIRTH-MOT.BAU 171R-4E	1	28	HOFFMANN HO-02-120-50	47 4000	2	F	72	67.7	0.2	67.9		I-0
SCHEMPP-HIRTH CM	1.5	BINDER MOT.BAU WB-2	1	52	HOFFMANN HO-11 158B-70	62 2800	2	F	73	65.2	1.4	66.6		I-0
SCHEMPP-HIRTH *NIMBUS-2M*	1.3	SCHEMPP-HIRTH SM-1 (O-28280R)	1	50	HOFFMANN HO-11 145-B80	57 3000	2	F	77	63.6	1.8	65.4		I-0
SHORT BROS. SKYVAN SERIES III	12.6	AIRESEARCH TPE-331-2-201A	2	715	HARTZELL HC-B3TN-5E/T10282HB	98	3	V		81.9	-4.7	77.2		I-3
SLINGSBY T 67A	1.6	LYCOMING O-235-L2A	1	118 2800 2	HOFFMAN HO14-178-120	70 2800	2	F	109	70.9	-2.3	68.6		I-5
SOC.AERONAUT. JODEL D 140B NORMANDE	2.7	LYCOMING O-360-A2A	1	177	SENSENICH 76EM8-0-60	76 2700	2	F	112	74.	0.2	74.2		I-0
SOCATA 110 ST RALLYE	1.7	LYCOMING O-235L-2A	1	110 2600	MCCAULEY 1A 103TCM 6958	69 2600	2	F	105	67.6	1.	68.6		I-1

APPENDIX 9
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN SMALL AIRCRAFT

AIRCRAFT MAKE / MODEL / POPULAR NAME	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADES / DESIGN / CONTROL	TEST SPEED	NOISE LEVELS dBA: NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
SOCATA 150 SV RALLYE	2.0	LYCOMING O 326 D2A	1	160 2700	SENSENICH M 74 DM 61	74 2700	2 F	64	73.8	-2.2	71.6		I-1
SOCATA 180 T RALLYE	2.1 2.09	LYCOMING O 360 A3A	1	180 2700	SENSENICH 76 EM8 060	76 2700	2 F	64	73.1	-0.8	72.3		I-1
SOCATA 235 E RALLYE	2.7 2.65	LYCOMING O 540 B4B5	1	235 2575	HARTZELL HCC2 YK184684	80 2575	2 V		74.3	-0.7	73.6		I-1
SOCATA 880 B RALLYE	1.7 1.7	ROLLS ROYCE O 200 A	1	100 2750	MCCAULEY 1A 101 DCM/6948	67 2750	2 F		68.8		69.8		I-1
SOCATA 893 E RALLYE	2.3 2.31	LYCOMING O 360 A3A	1	185 2700	HOFFMANN HO 27 HM/186 135	73 2700	2 F		71.3		71.3		I-1
SOCATA TB 10 TOBACO	2.3	LYCOMING O-360-A1AD	1	180 2700	HARTZELL HC-C2YK-1BF-F7666-A2	74 2700	2 V	125	72.4	-0.9	71.5		I-1
SOCATA TB 9 TAMPICO	2.3	LYCOMING O 320 D2A	1	160 2700	SENSENICH 74 DM6 61	74 2700	2 F	121	71.2	1.3	72.5		I-1
SPORTAVIA PUTZ. ELSTER B	1.5	CONTINENTAL C90-12F	1	88	HOFFMANN HO-14-183 100	72 2475	2 F	74	66.		66.		I-0
SPORTAVIA PUTZ. RF-5	1.4	LIMBACH L2100-EIX	1	71	HOFFMANN HO-VR/L-150A	59 3000	2 V	106	63.4	-1.3	62.1		I-0

APPENDIX 9
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN SMALL AIRCRAFT

AIRCRAFT MAKE MODEL POPULAR NAME	MTOW LW 1000#	ENGINE MAKE,MODEL	NO.	SHP RPM EXH	PROPELLER MAKE,MODEL	DIAM (IN) RPM	BLADES	PITCH CONTROL	TEST SPEED	NOISE LEVELS dBA NOISE MEAS.	PERF CORR	CORR. LEVEL	NOTES	REF.
SPORTAVIA PUTZ. RF6-B	2.0	LYCOMING O-320-A1B	1	150	HOFFMANN HO-23 178-145	70 2700	2	F	118	71.2	-1.1	70.1		I-0
SPORTAVIA PUTZ. RS-180	2.4	LYCOMING O-360-A3A	1	180	HOFFMANN HO-27-HM-180138	70 2500	2	F	110	66.8	-0.9	65.9		I-0
SPORTAVIA PUTZ. RS-180	2.5	LYCOMING O-360-A3A	1	180	MCCAULY 1A170/FFA7563	75 2700	2	F	122	73.8		73.8		I-0
WASSMER WA 80	1.8	ROLLS ROYCE O 200 A	1	134 2700	HOFFMANN HO 14.175.113	69 2700	2	F		68.3		68.3		I-1
ZAKLADY SZCYBOWCOWE SZD 45 OGAR	1.5	LIMBACH SL-1700-EC	1	59	HOFFMANN HO-11-145 B75D	57 3000	2	F	64	68.9	0.3	69.2		I-0

APPENDIX 10
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED HELICOPTERS
(FAR PART 36, APPENDIX H)

HELICOPTER MAKE / MODEL	MGW MLW 1000#	ENGINE NUMBER / MAKE, MODEL	ROTOR MAIN: NUMBER OF BLADES / MAKE, MODEL	ROTOR MAIN: DIA. (FT.)	ROTOR TAIL: NUMBER OF BLADES / MAKE, MODEL	ROTOR TAIL: DIA. (FT.)	NOISE LEVEL EPNdB: FLY-OVER	NOISE LEVEL EPNdB: TAKE OFF	NOISE LEVEL EPNdB: APPR.	STAGE	REFERENCE
AEROSPATIALE		1	3		2						
AS 350 B2	4.96	TURBOMECA	AEROSPATIALE	35.1	AEROSPATIALE	6.1	87.1	89.8	91.4	2	EU
		ARRIEL 1D1	355A31.0001		355A12.0031 OR 0040						
BELL HELI TEXTRON		2	4		2						
412	11.90	PRATT&WHITNEY	BELL HELI TEXT	46.0	BELL HELI TEXT	8.6	93.4	93.2	95.6	2	SW
	6.40	PT6T-3B	412-015-300-109		212-010-750-105						
MCDONNELL DOUGLAS		1	5								
500N	3.35	ALLISON	MCDONNELL DOUG	27.4	N/A		80.2	85.4	87.9	2	NM
	3.35	250-C20R/2	369D21102-503								
SIKORSKY		2	4		4						
S-76A STC:568NE	10.80	TURBOMECA	SIKORSKY	44.0	SIKORSKY	8.0	92.8	92.5	95.6	2	NE
	10.80	ARRIEL 1S	76150-9000/09100		76101-05101-041						
SIKORSKY		2	4		4						
S-76C	11.70	TURBOMECA	SIKORSKY	44.0	SIKORSKY	8.0	93.2	96.0	97.7	2	NE
	11.70	ARRIEL 1S1	76150-09199-41		76101-05501-041						

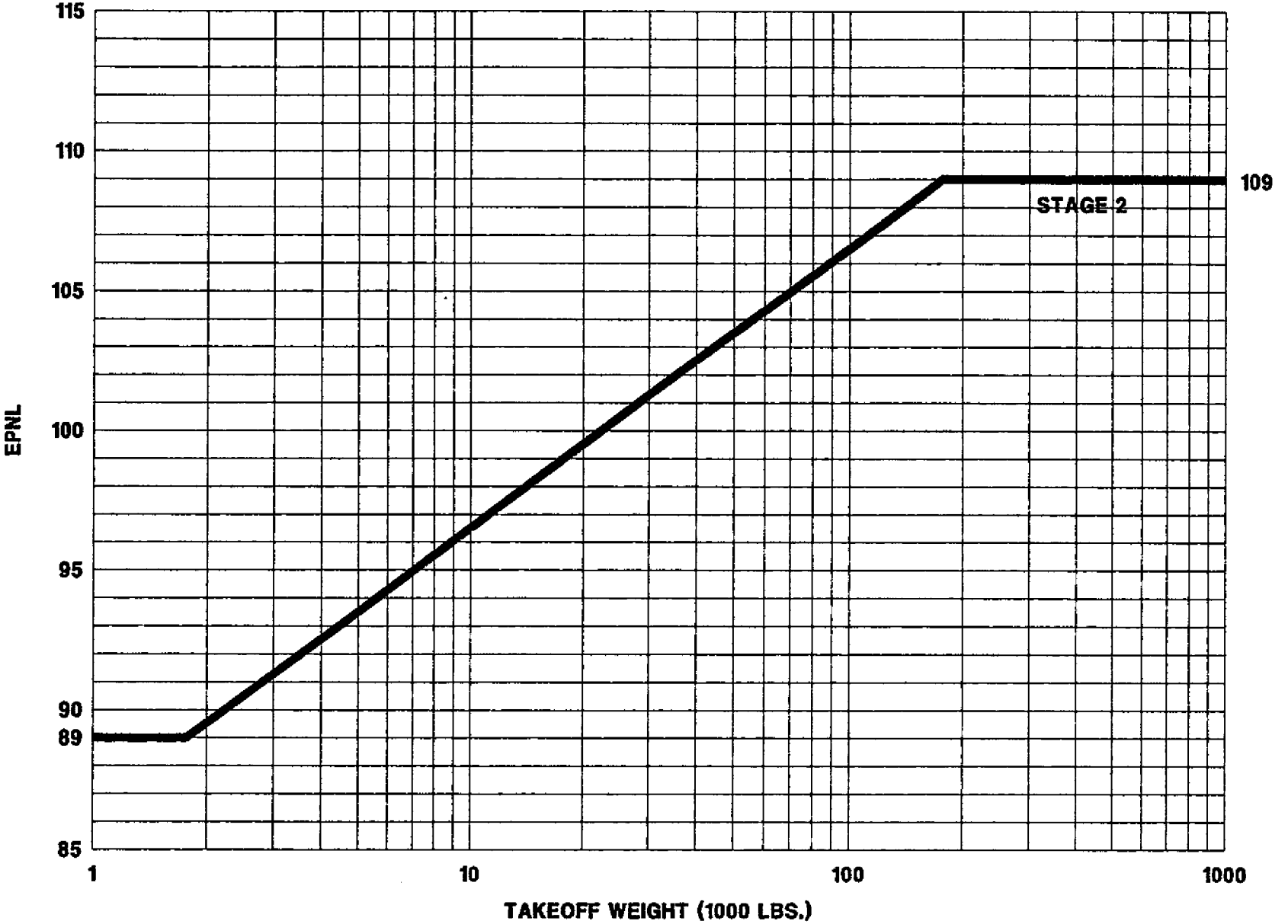
EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS AT TAKEOFF, SIDELINE, AND APPROACH

STAGE 2

	TAKEOFF LIMITS (EPNdB)	FLYOVER LIMITS (EPNdB)	APPROACH LIMITS (EPNdB)
UP TO AND INCLUDING 1,764 LBS.	89	88	90
OVER 1,764 LBS. TO 176,370 LBS.	$89+3.01\left\{\frac{\log \frac{W}{1,764}}{\log 2}\right\}$	$88+3.01\left\{\frac{\log \frac{W}{1,764}}{\log 2}\right\}$	$90+3.01\left\{\frac{\log \frac{W}{1,764}}{\log 2}\right\}$
OVER 176,370 LBS.	109	108	110

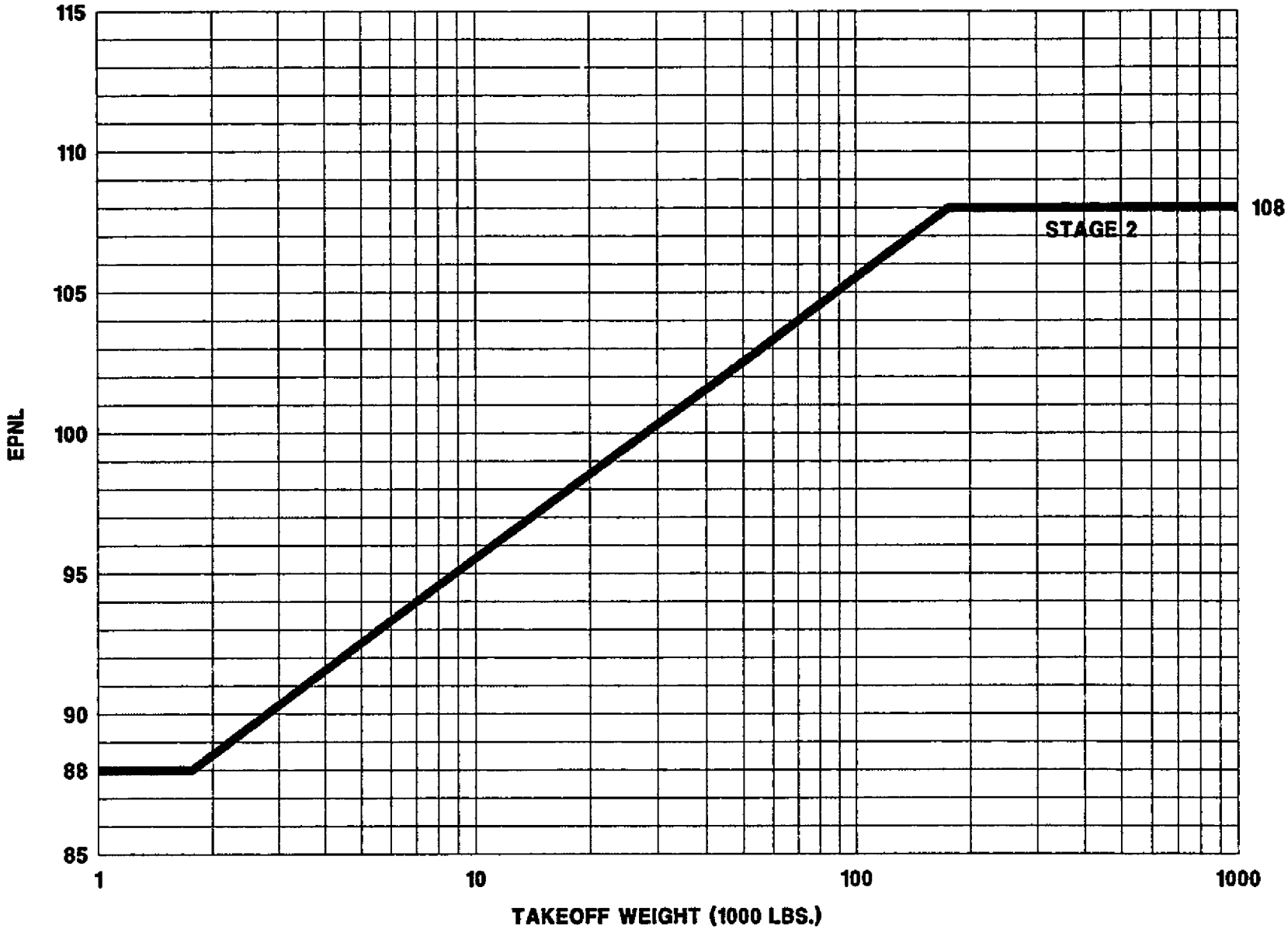
NOISE CERTIFICATION REQUIREMENTS - HELICOPTERS

TAKEOFF



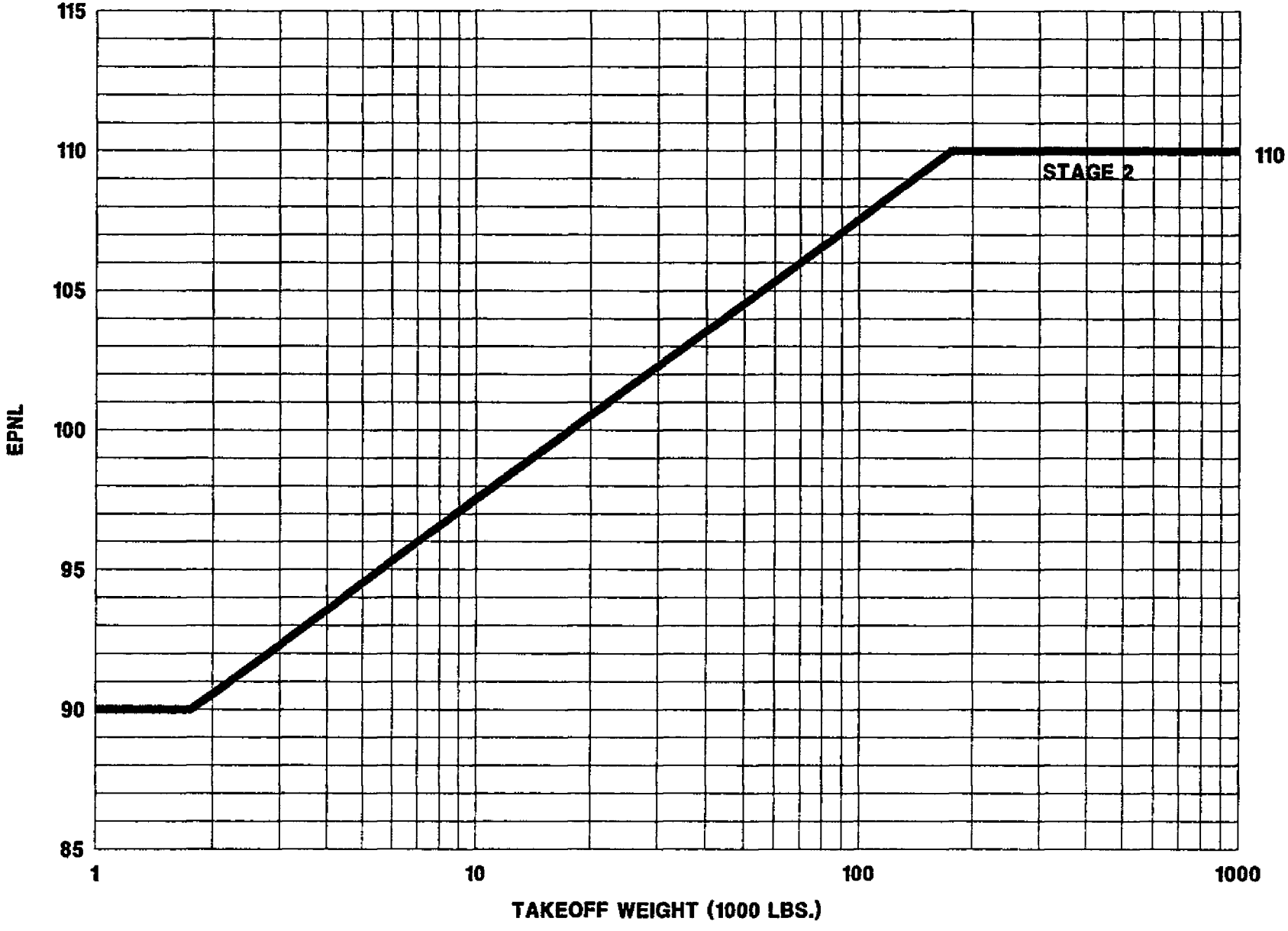
NOISE CERTIFICATION REQUIREMENTS - HELICOPTERS

FLYOVER



NOISE CERTIFICATION REQUIREMENTS - HELICOPTERS

APPROACH



The following definitions apply to the column headings of the appendices of Advisory Circular 36-1F:

MGW	Maximum Gross Weight
MTOW	Maximum Takeoff Weight
LW	Landing Weight
BPR	By-pass-ratio
APPR.	Approach
ALT.	The altitude in feet over the takeoff noise measurement station.
SHP	Shaft horsepower (measured during test).
RPM	Engine or propeller evolutions per minute.
EXH	Engine Exhaust configuration.

U.S. Department
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**Federal Aviation
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