ATTENUATION TABLES

DECIDAMP²™

280005
280006
280019
282505
280035

CORDED — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	32.5	34.0	36.3	35.4	36.3	42.1	43.6	46.2	45.4	29	A (L)
Standard Deviation (dB)	3.2	3.7	3.7	3.1	3.1	3.3	2.7	4.7	2.8		

Tested in accordance with ANSI S3.19-1974

UNCORDED — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	31.7	33.1	36.3	35.7	35.4	41.4	42.3	44.6	44.8	29	A (L)
Standard Deviation (dB)	3.6	3.7	3.7	2.8	3.1	3.8	3.6	3.1	3.3		

Tested in accordance with ANSI S3.19-1974

CORDED/UNCORDED — EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	24.0	26.1	28.6	30.8	30.9	34.7	43.2	42.9	H: 31dB M: 26dB L: 23dB SNR: 30dB
Standard Deviation (dB)	9.8	7.9	7.4	5.4	5.8	4.0	4.6	7.4	
Assumed Protection	14.2	18.2	21.2	25.3	25.1	30.7	38.6	35.6	

Tested according to EN 352-2: 1993

CORDED — AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}
Mean Attenuation (dB)	23.6	28.2	30.7	32.4	33.7	39.8	42.4	27.5
Standard Deviation (dB)	9.6	9.1	8.1	7.1	5.0	5.3	4.8	

Tested in accordance with AS 1270-1988

UNCORDED — AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}
Mean Attenuation (dB)	23.1	26.7	28.7	29.9	35.4	39.8	38.8	27
Standard Deviation (dB)	7.2	8.0	7.7	6.4	4.3	2.8	7.9	

Tested in accordance with AS 1270-1988

DECIGUARD AB™

280205
280250
280210
280255

CORDED — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	34.7	36.1	39.5	37.4	35.8	42.4	44.0	46.8	47.1	29	A (L)
Standard Deviation (dB)	5.1	5.0	5.0	3.9	3.0	3.2	2.5	4.7	3.6		

UNCORDED — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	33.9	34.5	37.7	36.2	34.9	42.6	43.8	46.8	46.8	29	A (L)
Standard Deviation (dB)	4.8	4.6	4.5	3.8	2.5	2.5	2.8	4.2	3.2		

Tested in accordance with ANSI S3.19-1974

CORDED/UNCORDED — EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	24.0	26.1	28.6	30.8	30.9	34.7	43.2	42.9	H: 31dB M: 26dB L: 23dB SNR: 30dB
Standard Deviation (dB)	9.8	7.9	7.4	5.4	5.8	4.0	4.6	7.4	
Assumed Protection	14.2	18.2	21.2	25.3	25.1	30.7	38.6	35.6	

Tested according to EN 352-2: 1993

CORDED/UNCORDED — AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}
Mean Attenuation (dB)	23.9	26.9	29.8	33.7	33.4	40.1	39.5	28.5
Standard Deviation (dB)	6.2	6.5	5.8	4.0	3.4	3.7	6.6	

Tested in accordance with AS 1270-1988

DECI 4200™

284200/284201

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	32.8	34.7	37.9	38.1	38.6	42.8	44.6	44.7	43.9	31	A (L)
Standard Deviation (dB)	4.0	3.8	3.1	3.0	2.9	2.9	3.6	4.1	4.6		

Tested in accordance with ANSI S3.19-1974

DECI 4240

284240

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	29.6	32.8	32.8	34.2	32.3	34.3	43.4	45.6	H: 32dB M: 28dB L: 27dB SNR: 31dB
Standard Deviation (dB)	5.1	6.6	8.0	7.4	5.4	4.4	5.0	4.4	
Assumed Protection	24.5	26.2	24.7	26.8	26.9	29.8	38.5	41.1	

Tested according to EN 352-2: 1993

AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}
Mean Attenuation (dB)	29.4	30.8	32.5	31.8	33.9	43.8	44.4	28.5
Standard Deviation (dB)	7.1	8.8	8.0	7.2	5.0	4.3	4.5	

Tested in accordance with AS 1270-1988

COM-FIT AB™

281601 281611
281602 281612
281603 281613
281604 281614
281605 281615
281606 281616

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	32.1	33.6	35.0	33.0	36.2	41.4	43.4	44.3	45.9	27	A (L)
Standard Deviation (dB)	5.7	4.5	4.2	3.3	3.7	3.6	4.6	4.2	4.7		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	25.8	26.2	25.9	27.5	26.3	31.9	40.1	41.6	H: 28dB M: 23dB L: 22dB SNR: 27dB
Standard Deviation (dB)	5.7	5.2	5.0	5.0	4.3	4.4	9.5	6.0	
Assumed Protection	20.1	20.9	20.9	22.5	21.9	27.5	30.6	35.6	

Tested according to EN 352-2: 1993

AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}
Mean Attenuation (dB)	21.1	25.4	27.6	26.8	27.3	31.7	35.1	20
Standard Deviation (dB)	9.0	8.6	9.6	9.5	8.2	10.6	9.2	

Tested in accordance with AS 1270-1988

CONIC FIT

EP01100
EP02100

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	27.2	27.2	28.3	32.2	37.4	41.9	38.5	38.4	34.3	24	A (L)
Standard Deviation (dB)	3.4	4.3	4.4	3.4	2.8	3.4	4.6	3.4	3.6		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	25.1	25.0	25.6	27.4	26.6	31.1	32.7	43.3	H: 27dB M: 24dB L: 22dB SNR: 27dB
Standard Deviation (dB)	6.7	6.5	4.6	4.3	3.5	3.7	7.5	5.6	
Assumed Protection	13.8	18.5	21.0	23.1	23.1	27.4	25.1	37.7	

Tested according to EN 352-2: 1993

AUSTRALIAN STANDARDS

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	SLC_{80}
Mean Attenuation (dB)	16.5	17.4	19.8	23.8	30.9	32.4	23.1		
Standard Deviation (dB)	7.8	5.8	5.6	6.6	4.8	3.0	9.5	3	20
Mean Minus SD (dB)	8.6	11.6	14.1	17.2	26.1	29.4	13.6		

Tested in accordance with AS/NZS 1270:1999

SOUND FIT

EP07
EP08
EP09
EP10

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	27.1	31.2	36.7	37.5	38.8	43.2	44.1	45.4	45.4	29	A (L)
Standard Deviation (dB)	3.4	4.3	3.6	3.3	4.1	3.1	3.8	4.6	4.2		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	21.1	22.3	26.4	29.3	29.3	34.6	41.3	41.6	H: 31dB M: 25dB L: 22dB SNR: 28dB
Standard Deviation (dB)	7.3	5.7	6.2	6.1	5.4	3.6	5.4	7.1	
Assumed Protection	13.8	16.5	20.2	23.1	23.8	31.0	35.9	34.5	

Tested in accordance with EN 352-2: 1993

UNCORDED AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}
Mean Attenuation (dB)	23.8	25.9	29.4	31.4	34.3	41.2	38.2	25.5
Standard Deviation (dB)	9.3	9.5	10.4	8.6	4.5	5.0	7.6	

Tested in accordance with AS 1270-1988

CORDED AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}
Mean Attenuation (dB)	21.7	22.8	26.0	28.1	31.9	39.4	37.9	23
Standard Deviation (dB)	9.1	10.0	9.1	8.1	4.9	5.8	7.5	

Tested in accordance with AS 1270-1988

SILENT PARTNER®

281120 281125
281121 281126

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	22.0	20.9	20.1	22.7	33.0	32.1	29.0	26.1	31.3	16	A (L)
Standard Deviation (dB)	5.2	4.6	3.7	3.2	3.5	5.2	4.0	2.8	4.2		

Tested in accordance with ANSI S3.19-1974

COM-FIT

281401 281411
281402 281412
281403 281413
281404 281414
281405 281415
281406 281416

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	29.6	27.6	30.0	31.7	34.3	40.3	42.1	45.7	45.6	26	A (L)
Standard Deviation (dB)	3.0	3.3	3.5	2.2	2.0	2.5	4.1	4.5	4.6		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	25.8	26.2	25.9	27.5	26.3	31.9	40.1	41.6	H: 28 dB M: 23 dB L: 22 dB SNR: 27 dB
Standard Deviation (dB)	5.7	5.2	5.0	5.0	4.3	4.4	9.5	6.0	
Assumed Protection	20.1	20.9	20.9	22.5	21.9	27.5	30.6	35.6	

Tested according to EN 352-2: 1993

AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}
Mean Attenuation (dB)	21.1	25.4	27.6	26.8	27.3	31.7	35.1	20
Standard Deviation (dB)	9.0	8.6	9.6	9.5	8.2	10.6	9.2	

Tested in accordance with AS 1270-1988

DECI 4300™ LIGHT-BAND

284300

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	22.0	20.9	20.1	22.7	33.0	32.1	29.0	26.1	31.3	16	B
Standard Deviation (dB)	5.2	4.6	3.7	3.2	3.5	5.2	4.0	2.8	4.2		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	21.9	22.0	19.1	16.4	20.3	30.7	29.3	28.3	H: 23 dB M: 17 dB L: 16 dB SNR: 21 dB
Standard Deviation (dB)	5.5	5.0	3.8	2.9	3.7	3.4	3.2	9.1	
Assumed Protection	16.4	17.0.	15.3	13.5	16.5	27.3	26.2	19.2	

Tested according to EN 352-2: 1993

SILENT BANDIT®

281133

OVERHEAD — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	17.8	23.5	26.7	30.4	36.5	42.3	42.5	41.6	41.7	25	A (L)
Standard Deviation (dB)	3.4	2.1	1.5	1.8	1.7	2.0	1.5	2.2	2.7		

BEHIND HEAD — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	18.0	23.7	26.6	29.7	35.8	41.1	42.0	41.2	38.4	25	A (L)
Standard Deviation (dB)	2.1	2.8	2.3	1.6	1.3	1.8	1.9	2.7	2.4		

UNDER CHIN — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	17.5	22.2	25.2	29.0	35.6	39.7	40.9	41.3	38.5	25	A (L)
Standard Deviation (dB)	1.9	1.7	1.7	1.5	1.5	1.5	1.4	2.2	1.7		

Tested in accordance with ANSI S3.19-1974

MUSTANG

EM4155
EM4157

EM4155

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	16.4	18.4	26.2	35.9	35.2	35.5	36.5	35.3	34.4	23	A
Standard Deviation (dB)	2.5	2.3	2.2	3.0	1.7	1.6	1.5	1.9	2.4		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	16.6	11.8	19.3	27.8	37.0	31.3	35.7	34.6	H: 31 dB M: 26 dB L: 17 dB SNR: 28 dB
Standard Deviation (dB)	4.5	2.8	2.6	2.7	2.4	3.3	2.5	3.2	
Assumed Protection	12.0	9.0	16.7	25.0	34.6	28.0	33.2	31.4	

Tested according to EN 352-1: 1993

AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)	11.5	19.3	28.8	36.1	34.7	37.4	36.1			
Standard Deviation (dB)	4.0	2.3	2.9	3.3	3.5	3.0	5.1	5	9.4	29
Mean Minus SD (dB)	7.5	16.9	25.9	32.7	31.2	34.4	31.0			

Tested in accordance with AS/NZS 1270:1999

EM4157

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	11.8	16.7	26.2	34.3	32.2	32.8	34.4	32.5	30.7	20	B
Standard Deviation (dB)	2.2	2.6	3.7	3.7	2.8	2.9	4.5	4.6	3.9		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	13.4	11.6	18.2	24.8	34.4	30.3	33.5	31.7	H: 28 dB M: 23 dB L: 15 dB SNR: 25 dB
Standard Deviation (dB)	5.7	3.8	3.6	4.2	3.2	3.2	4.7	6.5	
Assumed Protection	7.7	7.8	14.6	20.6	31.1	27.0	28.8	25.2	

Tested according to EN 352-1:1993, EN 352-3: 1993

AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Value (dB)										
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY									

ATTENUATION TABLES

SABRE
EM1115

EM1115

U.S.A. / CANADA (EPA)

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	16.2	23.2	32.9	39.2	36.9	37.5	35.1	37.7	37.7	26	A
Standard Deviation (dB)	2.7	2.6	2.8	3.7	2.9	3.2	2.5	2.6	2.2		

Tested in accordance with ANSI S3.19-1974

EUROPE (CE)

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)									H:
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY								M:
Assumed Protection									L:
									SNR:

AUSTRALIAN STANDARDS (AS 1270)

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)										
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY									

JAGUAR
EM7195

EM7195

U.S.A./CANADA (EPA)

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	18.9	26.6	36.4	40.3	38.4	36.5	38.0	38.4	39.0	29	A
Standard Deviation (dB)	2.6	2.1	3.2	2.7	2.6	2.0	2.3	1.9	3.1		

Tested in accordance with ANSI S3.19-1974

EUROPE (CE)

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)									H:
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY								M:
Assumed Protection									L:
									SNR:

AUSTRALIAN STANDARDS (AS 1270)

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)										
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY									

HURRICANE
EM4231
EM4232
EM4236

EM4231

U.S.A./CANADA (EPA)

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	14.4	17.3	27.8	37.1	33.3	35.5	36.0	32.2	31.4	22	B
Standard Deviation (dB)	2.3	2.7	3.1	3.3	2.3	2.6	3.1	3.1	2.9		

Tested in accordance with ANSI S3.19-1974

EUROPE (CE)

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	13.6	12.2	18.9	28.6	36.6	29.4	35.4	32.8	H: 28 dB
Standard Deviation (dB)	4.5	4.4	2.8	4.0	3.6	3.6	3.9	5.4	M: 25 dB
Assumed Protection	9.1	7.8	16.1	24.6	32.9	25.7	31.5	27.3	L: 16 dB
									SNR: 27 dB

Tested according to EN 352-1:1993

AUSTRALIAN STANDARDS (AS 1270)

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)										
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY									

EM4232

U.S.A./CANADA (EPA)

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	12.9	17.1	27.0	36.3	31.8	35.2	35.5	32.0	30.4	21	B
Standard Deviation (dB)	2.7	2.6	2.6	2.3	2.1	3.0	2.3	3.0	3.0		

Tested in accordance with ANSI S3.19-1974

EUROPE (CE)

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	15.7	12.6	17.4	25.3	35.6	28.5	35.1	33.3	H: 26 dB
Standard Deviation (dB)	4.6	2.5	3.8	2.8	3.7	5.3	4.7	3.9	M: 23 dB
Assumed Protection	11.1	10.1	13.5	22.4	31.9	23.2	30.4	29.4	L: 16 dB
									SNR: 25 dB

Tested according to EN 352-1:1993

AUSTRALIAN STANDARDS (AS 1270)

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)										
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY									

EM4236

U.S.A./CANADA (EPA)

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	12.1	16.8	26.5	32.6	30.5	33.0	33.3	31.2	29.2	20	B
Standard Deviation (dB)	2.9	2.1	3.4	3.5	2.4	2.7	4.0	3.7	3.4		

Tested in accordance with ANSI S3.19-1974

EUROPE (CE)

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)									H:
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY								M:
Assumed Protection									L:
									SNR:

AUSTRALIAN STANDARDS (AS 1270)

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)										
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY									

PHANTOM

EM2261
EM2262
EM2266

EM2261

U.S.A. / CANADA EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	15.7	18.1	29.6	37.7	32.1	32.1	31.2	30.5	31.2	21	B
Standard Deviation (dB)	3.2	2.7	3.3	3.1	2.9	2.6	3.2	3.1	2.2		

Tested in accordance with ANSI S3.19-1974

EUROPE CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	14.1	12.8	19.5	28.0	36.1	31.1	33.3	31.9	H: 30 dB M: 25 dB L: 17 dB SNR: 27 dB
Standard Deviation (dB)	4.2	3.1	3.4	3.9	3.2	3.0	2.1	3.9	
Assumed Protection	9.8	9.7	16.1	24.1	32.9	28.0	31.1	28.0	

Tested according to EN 352-1: 1993

AUSTRALIAN STANDARDS AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC 80
Mean Attenuation (dB)										
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY									

EM2262

U.S.A. / CANADA EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	14.3	19.3	29.7	36.1	30.9	34.3	36.4	34.0	33.8	22	B
Standard Deviation (dB)	2.4	2.5	3.6	3.4	2.6	2.1	3.4	3.8	3.5		

Tested in accordance with ANSI S3.19-1974

EUROPE CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	16.8	11.7	20.3	29.7	37.6	31.6	33.8	30.4	H: 29 dB M: 26 dB L: 17 dB SNR: 28 dB
Standard Deviation (dB)	5.0	3.4	2.4	2.4	2.4	3.5	3.0	4.3	
Assumed Protection	11.8	8.3	17.9	27.3	35.2	28.1	30.8	26.2	

Tested according to EN 352-1: 1993

AUSTRALIAN STANDARDS AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC 80
Mean Attenuation (dB)										
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY									

EM2266

U.S.A. / CANADA EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	14.3	19.4	26.4	33.7	31.1	34.5	34.6	34.2	33.3	21	B
Standard Deviation (dB)	2.6	2.6	3.6	4.4	3.1	4.0	3.8	3.6	3.9		

Tested in accordance with ANSI S3.19-1974

EUROPE CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)									H: M: L: SNR:
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY								
Assumed Protection									

AUSTRALIAN STANDARDS AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC 80
Mean Attenuation (dB)										
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY									

STEALTH

EM1281
EM1282
EM1286

EM1281

U.S.A. / CANADA EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	15.3	20.6	32.1	38.4	35.1	34.4	34.1	34.9	35.2	24	A
Standard Deviation (dB)	2.9	2.4	3.4	2.7	2.7	2.2	2.5	2.7	2.9		

Tested in accordance with ANSI S3.19-1974

EUROPE CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	17.7	17.2	24.4	33.3	41.7	34.4	34.3	34.4	H: 32 dB M: 29 dB L: 20 dB SNR: 31 dB
Standard Deviation (dB)	5.9	4.5	4.1	3.7	4.6	3.8	3.2	2.8	
Assumed Protection	11.8	12.7	20.3	29.5	37.1	30.6	31.1	31.6	

Tested according to EN 352-1: 1993

AUSTRALIAN STANDARDS

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC 80
Mean Attenuation (dB)	11.9	20.5	30.2	35.3	32.3	35.8	33.3			
Standard Deviation (dB)	5.2	4.7	3.9	4.7	4.8	3.4	7.6	5	11.0	28
Mean Minus SD (dB)	6.7	15.6	26.3	30.7	27.5	32.5	25.7			

Tested in accordance with AS/NZS 1270:1999

EM1282

U.S.A. / CANADA EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	16.7	22.8	33.2	38.8	34.0	34.7	33.9	35.2	34.3	25	A
Standard Deviation (dB)	2.5	2.4	2.9	3.2	3.6	2.3	3.0	3.2	3.0		

Tested in accordance with ANSI S3.19-1974

EUROPE CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	16.9	13.7	22.6	31.4	38.3	30.6	30.0	29.9	H: 28 dB M: 28 dB L: 19 dB SNR: 28 dB
Standard Deviation (dB)	3.9	3.4	2.2	2.4	2.2	3.7	1.8	4.0	
Assumed Protection	13.0	10.3	20.4	29.0	31.6	26.9	28.2	25.9	

Tested according to EN 352-1: 1993

AUSTRALIAN STANDARDS

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC 80
Mean Attenuation (dB)	12.6	21.1	31.4	38.4	33.3	36.0	35.3			
Standard Deviation (dB)	3.5	3.0	3.7	3.2	3.3	4.0	5.8	5	9.2	30
Mean Minus SD (dB)	9.0	18.1	27.6	35.3	29.9	32.0	29.5			

Tested in accordance with AS/NZS 1270:1999

U.S.A. / CANADA EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	15.6	21.5	31.3	37.8	34.1	33.0	33.7	33.8	33.4	24	A
Standard Deviation (dB)	2.8	2.5	3.7	3.2	2.6	2.0	3.3	2.6	3.4		

Tested in accordance with ANSI S3.19-1974

EUROPE CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)									
Standard Deviation (dB)	RESULTS TO BE ANNOUNCED SHORTLY								
Assumed Protection									

AUSTRALIAN STANDARDS

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC 80
Mean Attenuation (dB)	11.8	19.0	29.6	34.6	31.7	34.6	33.4			
Standard Deviation (dB)	3.5	4.1	5.7	4.0	3.7	3.7	5.4	5	8.0	27
Mean Minus SD (dB)	8.2	14.9	23.8	30.5	28.0	30.9	28.0			

Tested in accordance with AS/NZS 1270:1999

ATTENUATION TABLES

MOSQUITO
EM3144

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	14.0	15.8	26.6	32.6	34.8	32.9	36.0	34.7	35.8	21	B
Standard Deviation (dB)	3.1	2.1	2.8	3.0	3.3	2.4	3.4	3.3	4.7		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	15.6	11.7	17.9	26.6	31.9	32.9	33.2	31.6	H: 30 dB M: 25 dB L: 16 dB SNR: 27 dB
Standard Deviation (dB)	4.4	3.3	2.7	2.3	2.6	3.2	2.3	4.3	
Assumed Protection	11.2	8.4	15.3	24.3	29.3	29.7	30.8	27.2	

Tested according to EN 352-1: 1993

AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)										
Standard Deviation (dB)										

RESULTS TO BE ANNOUNCED SHORTLY

HORNET
EM2175
EM2175
EM2177

EM2175 — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	16.5	19.5	31.5	38.1	33.3	35.3	36.9	33.5	34.1	24	A
Standard Deviation (dB)	2.5	2.7	2.9	3.6	2.6	1.6	2.9	2.9	3.1		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	15.1	13.0	20.5	30.0	39.9	33.8	34.6	32.8	H: 32 dB M: 27 dB L: 18 dB SNR: 29 dB
Standard Deviation (dB)	4.4	2.3	3.1	2.5	2.3	2.3	3.6	4.8	
Assumed Protection	10.7	10.7	17.4	27.5	37.5	31.6	31.1	27.9	

Tested according to EN 352-1: 1993

AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)										
Standard Deviation (dB)										

RESULTS TO BE ANNOUNCED SHORTLY

EM2177 — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	14.7	19.5	26.9	34.3	33.0	34.6	35.0	34.7	34.8	22	A
Standard Deviation (dB)	2.3	2.8	2.7	2.6	3.4	3.2	3.7	4.0	3.8		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	14.4	14.1	20.9	27.9	36.0	32.8	33.8	31.1	H: 30 dB M: 25 dB L: 17 dB SNR: 27 dB
Standard Deviation (dB)	6.3	5.2	3.7	4.6	3.8	3.8	4.5	3.5	
Assumed Protection	8.2	8.9	17.2	23.3	32.2	29.0	29.3	27.6	

Tested according to EN 352-1: 1993

AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)										
Standard Deviation (dB)										

RESULTS TO BE ANNOUNCED SHORTLY

INTRUDER
EM7202
EM7206
EM7209

EM7202 — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	18.7	26.7	34.5	39.7	37.2	34.1	37.0	37.5	37.4	28	A
Standard Deviation (dB)	2.3	2.2	2.8	2.8	2.4	2.0	2.6	3.3	3.1		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	18.9	15.9	23.3	27.6	38.1	30.8	43.1	39.4	H: 31 dB M: 27 dB L: 19 dB SNR: 29 dB
Standard Deviation (dB)	6.1	3.9	4.6	3.4	3.9	3.4	5.1	4.7	
Assumed Protection	12.8	12.1	18.6	24.2	34.2	27.3	38.0	34.6	

Tested according to EN 352-1: 1993

AUSTRALIAN STANDARDS

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)	10.8	20.6	32.4	37.8	36.0	38.6	37.9			
Standard Deviation (dB)	3.4	3.4	3.6	2.8	3.7	2.9	6.5	5	11.6	30
Mean Minus SD (dB)	7.4	17.3	28.9	35.0	32.3	35.8	31.4			

Tested in accordance with AS/NZS 1270:1999

EM7206 — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	17.9	27.8	35.4	38.0	34.9	33.0	35.8	36.8	36.3	27	A
Standard Deviation (dB)	2.4	1.8	2.9	2.6	3.0	1.9	2.7	2.9	2.9		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)								
Standard Deviation (dB)								
Assumed Protection								

RESULTS TO BE ANNOUNCED SHORTLY

AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)										
Standard Deviation (dB)										

RESULTS TO BE ANNOUNCED SHORTLY

EM7209 — U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	16.8	22.0	30.8	34.2	32.6	33.9	39.6	40.0	40.1	24	B
Standard Deviation (dB)	3.1	3.3	3.5	2.3	2.4	3.9	2.6	3.2	3.1		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation(dB)								
Standard Deviation (dB)								
Assumed Protection								

RESULTS TO BE ANNOUNCED SHORTLY

AUSTRALIAN STANDARDS

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)	12.2	17.7	27.9	35.1	35.4	36.0	34.6			
Standard Deviation (dB)	5.7	5.6	5.3	5.5	3.7	5.8	4.3	5	8.9	27
Mean Minus SD (dB)	6.5	12.1	22.6	29.5	31.8	30.2	30.3			

Tested in accordance with AS/NZS 1270:1999

CHALLENGER
EM6298

U.S.A./CANADA — EPA

FREQUENCY (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA
Mean Attenuation (dB)	12.1	15.8	25.3	28.8	32.5	35.9	38.6	37.4	38.2	20	B
Standard Deviation (dB)	2.8	2.4	2.8	2.2	2.6	2.2	2.7	2.1	2.3		

Tested in accordance with ANSI S3.19-1974

EUROPE — CE

FREQUENCY (Hz)	63	125	250	500	1000	2000	4000	8000	
Mean Attenuation (dB)	14.6	11.5	14.1	23.0	25.5	31.5	35.3	33.2	H: 28 dB M: 22 dB L: 15 dB NR: 25 dB
Standard Deviation (dB)	3.1	2.3	1.7	2.1	2.8	3.1	3.3	3.6	
Assumed Protection	11.6	9.2	12.4	20.9	22.7	28.4	32.0	29.6	

Tested according to EN 352-1: 1993

AUSTRALIAN STANDARDS — AS 1270

FREQUENCY (Hz)	125	250	500	1000	2000	4000	8000	Class	(N)	SLC_{80}
Mean Attenuation (dB)										
Standard Deviation (dB)										

RESULTS TO BE ANNOUNCED SHORTLY