A perceptual evaluation of the efficacy of Sound Exposure Level in the rating of annoyance to helicopter noise

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SOUND FILE LISTING

Pair	Sound	Description	Portion of flyover	Filename
1	A	Baseline rotor	Full	Pair1SoundAFull.wav
	A	Baseline rotor	t_1	Pair1SoundAt1.wav
	A	Baseline rotor	t_{max}	Pair1SoundAtmax.wav
	A	Baseline rotor	t_2	Pair1SoundAt2.wav
	B	L_{AE}-optimized rotor	Full	Pair1SoundBFull.wav
	B	L_{AE}-optimized rotor	t_1	Pair1SoundBt1.wav
	B	L_{AE}-optimized rotor	t_{max}	Pair1SoundBtmax.wav
	B	L_{AE}-optimized rotor	t_2	Pair1SoundBt2.wav
2	A	L_{AE}-optimized rotor	Full	Pair1SoundBFull.wav
	B	EPNL-optimized rotor	Full	Pair2SoundBFull.wav
3	A	AS350 LNA	Full	Pair3SoundAFull.wav
	B	EC130 LNA	Full	Pair3SoundBFull.wav
4	A	AS350 steady	Full	Pair4SoundAFull.wav
	A	AS350 steady	t_1	Pair4SoundAt1.wav
	A	AS350 steady	t_{max}	Pair4SoundAtmax.wav
	A	AS350 steady	t_2	Pair4SoundAt2.wav
	B	AS350 unsteady	Full	Pair4SoundBFull.wav
	B	AS350 unsteady	t_1	Pair4SoundBt1.wav
	B	AS350 unsteady	t_{max}	Pair4SoundBtmax.wav
	B	AS350 unsteady	t_2	Pair4SoundBt2.wav

Note: All sound files are provided in a 16-bit, 44.1 kHz .wav file format. To recover the original amplitudes played during the psychoacoustic test, each .wav file should be multiplied by a scaling factor of 7.6811.

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