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APPENDIX 9.3

Derivation Lday and Lnight internal noise levels within proposed NSRs

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NSR name	NSR ID			ersion to ent (L _{Aeq})	Correction for model verification		(closed	Internal level (closed window transmission)		Comparison with target level	
		dBL _{A10,18hr}	dBL_{day}	dBL _{night}	plus 2.7 dB		dB L _{day}	dBL _{night}	dB	dB	
NW building	NSR1	62.4	60.7	52.4	63.4	55.1	35.4	27.1	0.4	-2.9	
NE Building	NSR2	64.1	62.3	53.9	65.0	56.6	37.0	28.6	2.0	-1.4	
SW building	NSR3	54.7	53.4	45.5	56.1	48.2	28.1	20.2	-6.9	-9.8	
E building	NSR4	64.5	62.7	54.3	65.4	57.0	37.4	29.0	2.4	-1.0	
SE building	NSR5	50.4	49.3	41.6	52.0	44.3	24.0	16.3	-11.0	-13.7	
S building	NSR6	53.5	52.3	44.4	55.0	47.1	27.0	19.1	-8.0	-10.9	
SW building	NSR7	64.1	62.3	53.9	65.0	56.6	37.0	28.6	2.0	-1.4	

Conversion from L10 to Lday using Method 3 of TRL study = 0.95 * L10,18hr + 1.44

Conversion from L10 to Lnight using Method 3 of TRL study = 0.9 * L10,18hr - 3.77