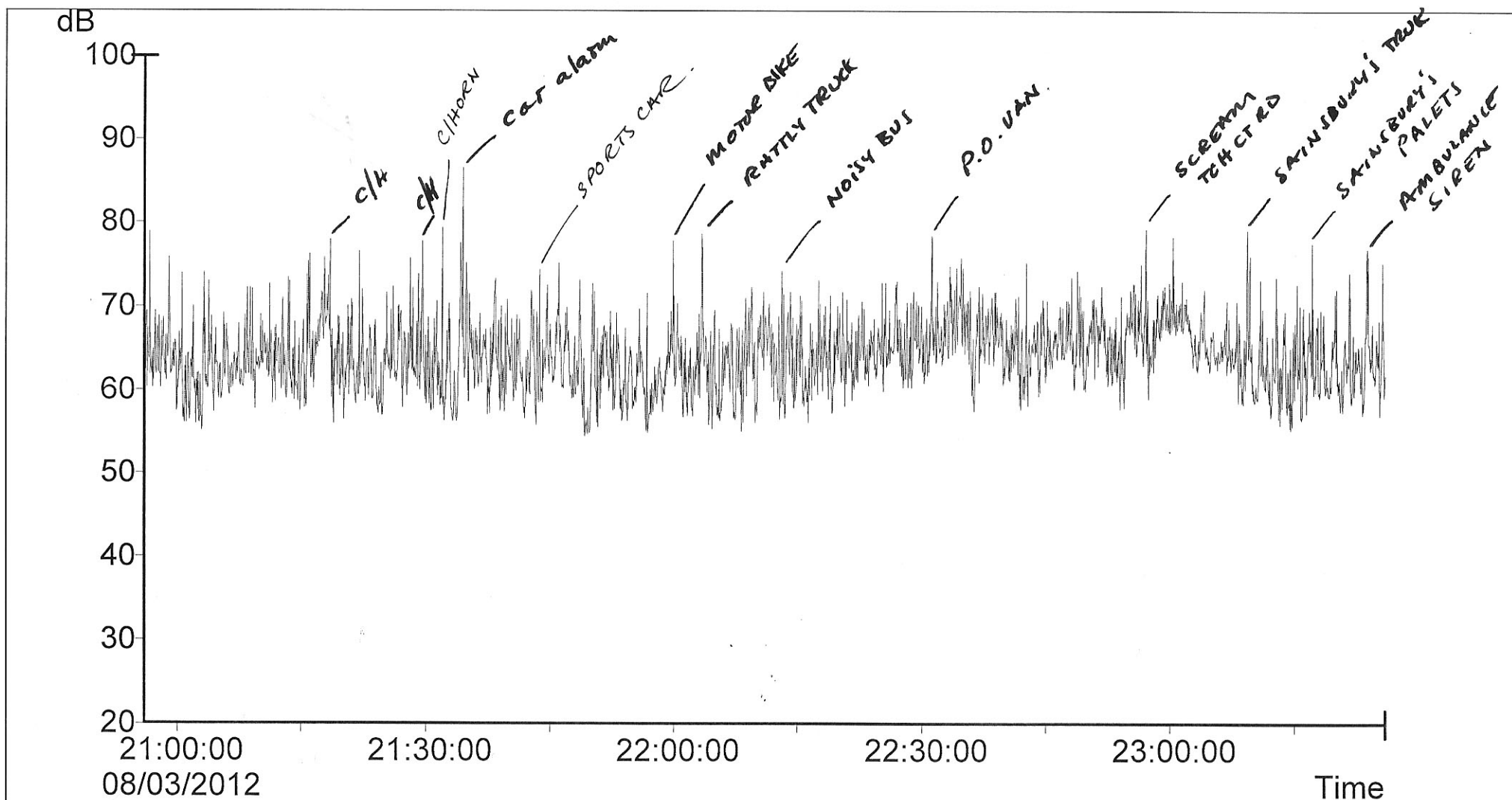
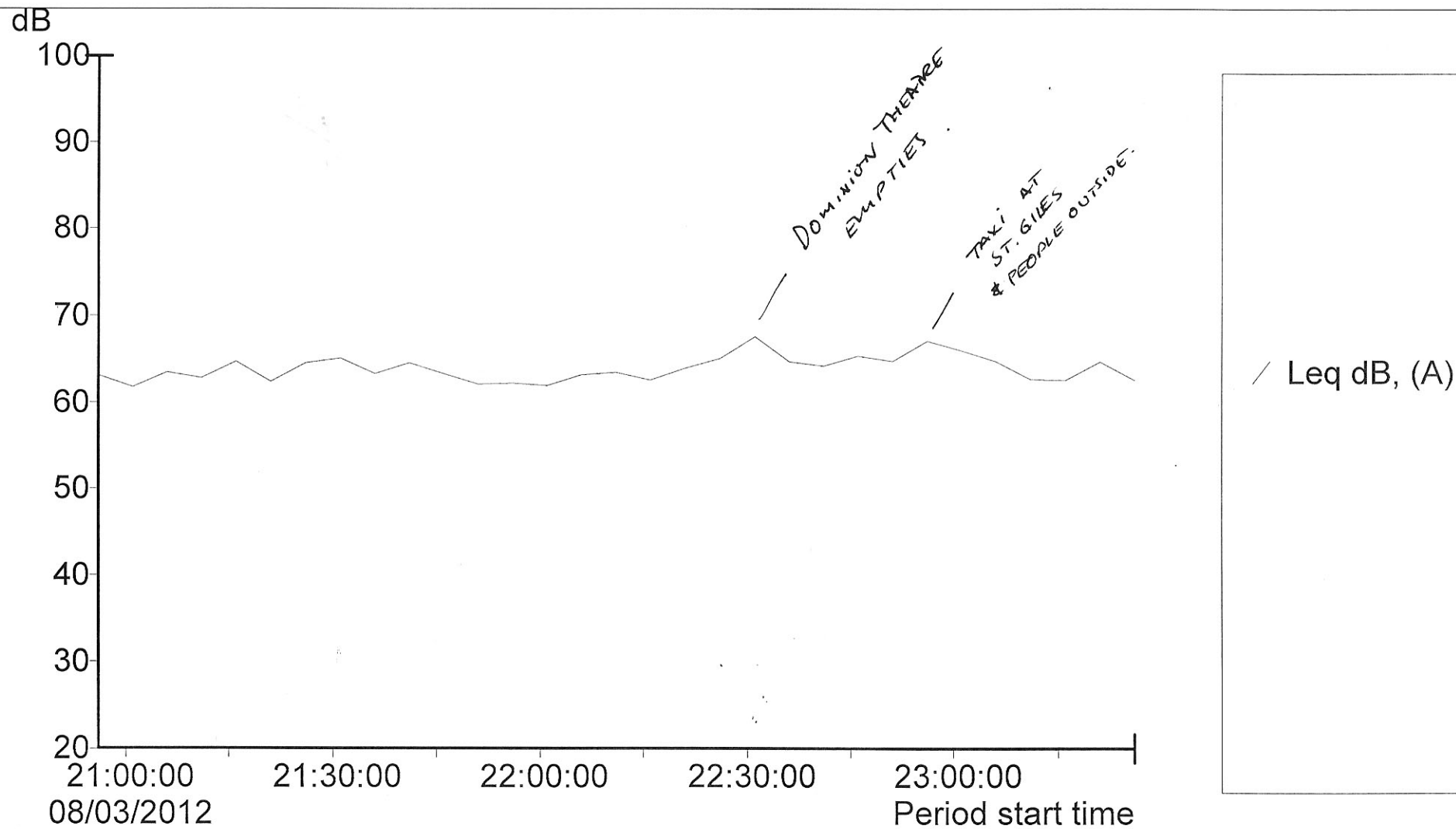


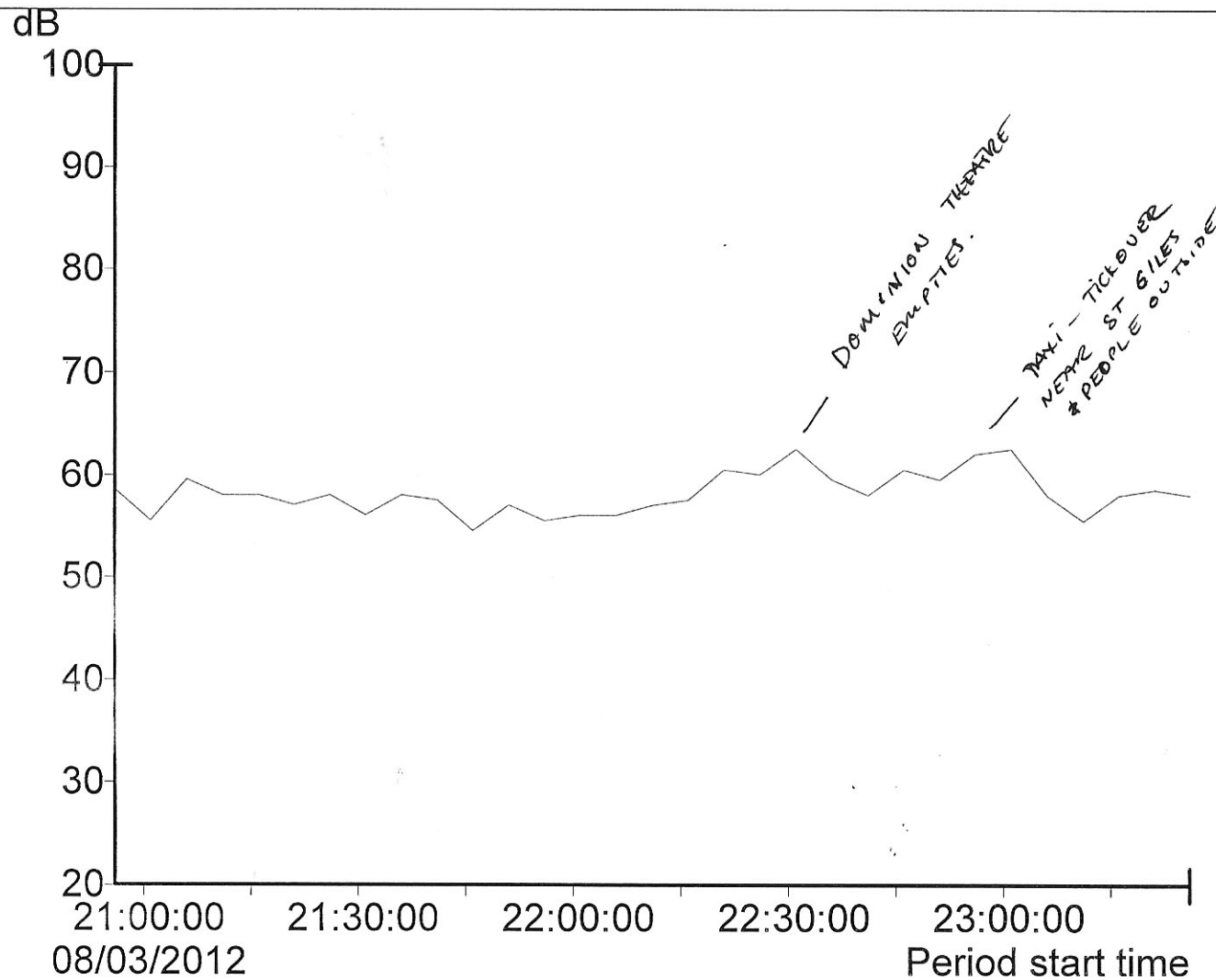
Layout of Premises at
257 Tottenham Court road,
London .



One second time profile of dB LAmax sound level measured, with reference comments, outside resident's windows in Bedford Avenue, near to premises at 257 Tottenham Court Road, London, from 9 pm through to 11.30 pm, evening of 8th March 2012.



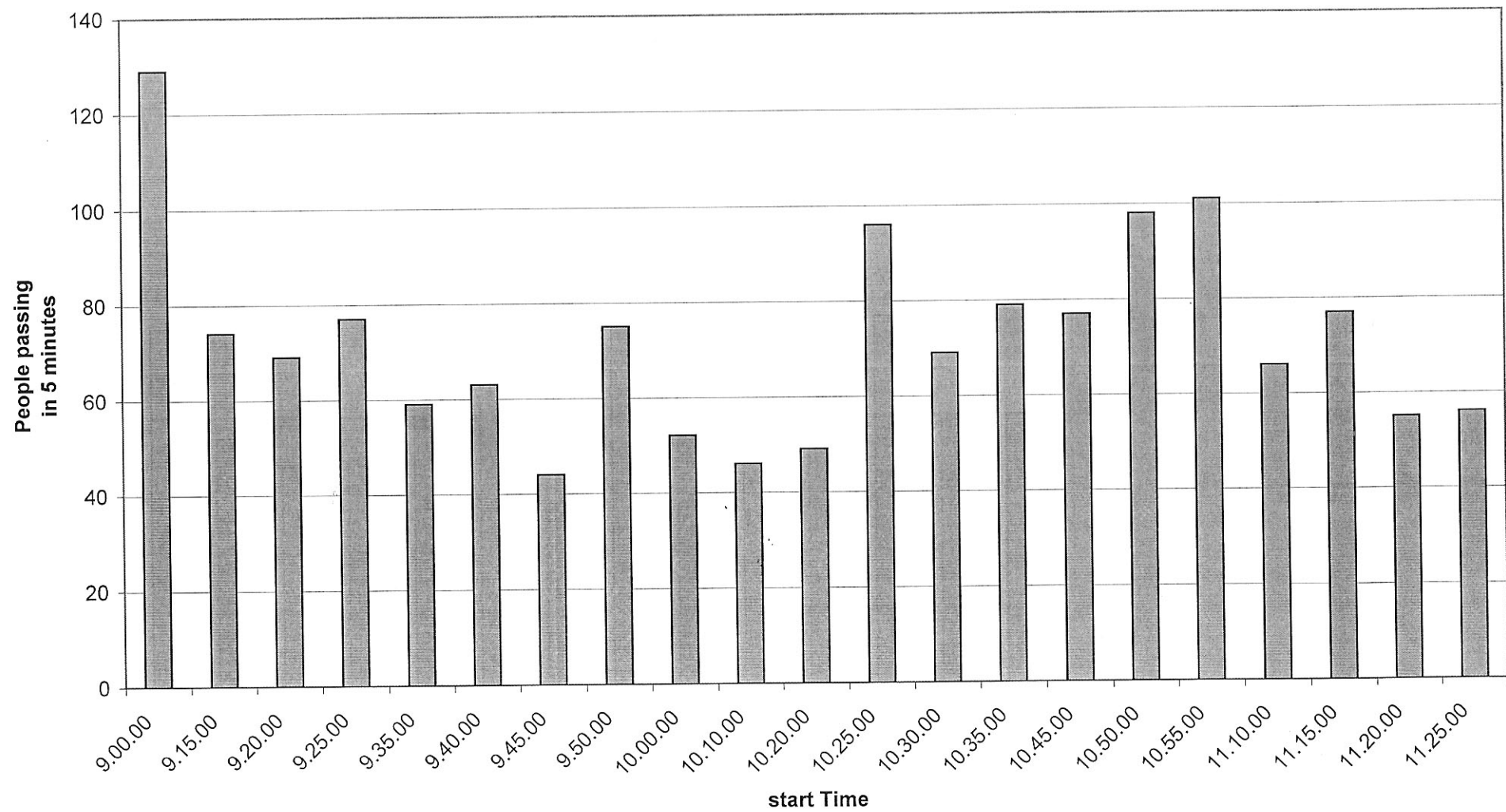
Ambient background noise dB LAeq sound level measured in five minute periods outside resident's windows in Bedford Avenue, near to premises at 257 Tottenham Court Road, London, from 9 pm through to 11.30 pm, evening of 8th March 2012.



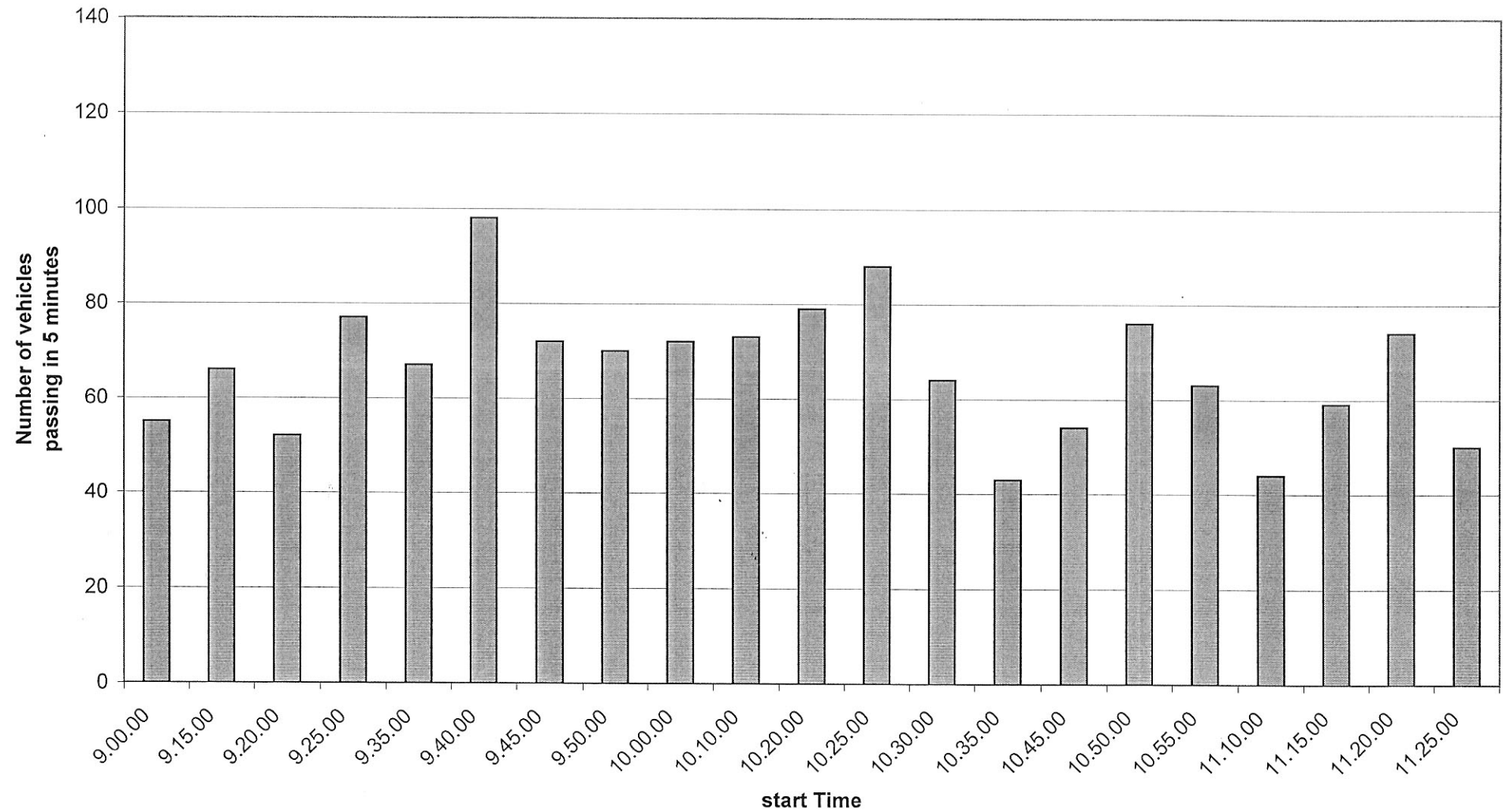
/ LN90.0% F dB, (A)

Background noise dB LA90 sound level measured in five minute periods outside resident's windows in Bedford Avenue, near to premises at 257 Tottenham Court Road, London, from 9 pm through to 11.30 pm, evening of 8th March 2012.

Pedestrian counts, of people passing at 257 Tottenham Court Road, evening of 8th March 2012



Vehicle counts of passing vehicles at 257 Tottenham Court Road, evening of 8th March 2012.



This is given by the equation

Frequency Hz	dBA	63	125	250	500	1k	2k	4k	
Source noise dB		0	35	39	36	33	28	23	
A weighting value dB		-26	-16	-9	-3	0	1	1	
A weighted octave dB (= Ip)		-26	19	30	33	33	29	24	
10 to power Ip/10		0.0	79.4	1000.0	1995.3	1995.3	794.3	251.2	6115.5

Final single figure dBA 38

**Excel 1 Calculation for addition of octave band values of dB
to give A weighted single value of dBA**

257 Tottenham Court rd March 2012

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Assessment of customers talking to the environment and residents nearby.
(showing safety margin in dB, with proposed design recommendations in place).

Attenuation due to distance ,
Attenuation = 20 Log.r
r =distance to residents

Frequency Hz	dB(A)	dB Lin	63	125	250	500	1k	2k	4k
SPL of a couple talking outside	60		0	57	61	58	55	50	45
number of couples talking/ addition dB	8		9	9	9	9	9	9	9
source sound level			9	66	70	67	64	59	54
correction for reflections	0		0	0	0	0	0	0	0
Dist to res windows/ attenuation dB	36		31	31	31	31	31	31	31
Sound level of customers at residents	38		0	35	39	36	33	28	23
Background noise level L90	55								
Excess over design target.	17								
Safety margin dB	7								

(Safety margin indicates how much the predicted noise level is more than 10dB below background noise).

**Excel 2 Assessment of the noise of customers outside talking to the
environment outside and residents to BS EN 12354-4**

257 Tottenham court rd. March 2012

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