

Our Ref: 14603

27th April 2010

Soufian Shamsi
Maverick Television
40 Churchway
Euston
NW11LW

Dear Soufian

Noise from external air conditioning units

Introduction

1. We prepared a report for Maverick Television in August 2007^[1], looking at the potential noise impact of some new air conditioning units. You now wish to add two more, similar, units, and ask how this would affect the findings of our report.

2. Please note that the August 2007 report was by AES. The brand name AES has been changed to NW Scientific Services. This is just a change of brand name and it is still the same organisation.

Findings of original report

3. The original report found that the existing noise in the area was:

Daytime ambient noise L_{Aeq}	54.1 dB
Night time ambient noise L_{Aeq}	48.6 dB
Daytime background noise L_{A90}	52.1 dB
Night time background noise L_{A90}	46.8 dB

4. Predictions of noise from the proposed units at the nearest residential facades were as follows.

Noise level at 1.8 m dB	Distance correction 1.8 m to 12 m dB	Noise level at 12 m dB
48	16.5	31.5
52	16.5	35.5
48	16.5	31.5
Total		38.1

5. The report concluded that, as the predicted noise was below the background noise, the new noise would not even be of marginal significance. Therefore, following the advice in PPG24, it was considered that noise from the new units was not a material issue for planning.

Revised predictions

6. We understand that you wish to add two new Fujitsu asya14LC units. These were quoted as giving 48 dB at 1.8 m for the original report.

7. The revised predictions are, therefore:

Noise level at 1.8 m dB	Distance correction 1.8 m to 12 m dB	Noise level at 12 m dB
48	16.5	31.5
52	16.5	35.5
48	16.5	31.5
48	16.5	31.5
48	16.5	31.5
Total		39.7

8. The revised predictions show that the noise is still below the background noise given in our original report. Therefore, on the basis of the information given in the original report, it is considered that noise from these new units is not a material issue for planning.

Yours sincerely



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1. Maverick Television, Proposed installation of new air conditioning units, 40 Churchway, London, AES, unpublished, August 2007.