

The main advantages with the dBA - the A weighting in noise measurements - are:

- it is adapted to the response of the human ear to sound
- it is possible to measure easily with low cost instruments

Acceptable Equivalent Sound Level - L_{eq} - for different location can be taken from the table below:

Location	Effects	\underline{L}_{eq} (dBA)	Time (hours)	Time of day
Bedroom	sleep disturbance, annoyance	> 30	8	night
Living area	annoyance, speech interference	> 50	16	day
Outdoor living area	moderate annoyance	> 50	16	day
Outdoor living area	serious annoyance	> 55	16	day
Outdoor living area	sleep disturbance, with open windows	> 45	8	night
School classroom	speech interference, communication disturbance	> 35	8	day
Hospitals: patient rooms	sleep disturbance, communication interference	> 30-35	8	day and night