

Following the request from the Licensing Chair, Councillor David Willingham, please find the below information to provide some context to decibel levels. It is not possible to accurately replicate the decibel level of some of the noise levels recorded from the event, as the acoustics would be impacted from the Chamber itself, and due to not being able to replicate the frequency nor the field environment including the impact wind direction would have for example. Therefore, the below information (obtained from Gov.uk), as well as directing any questions to the Environmental Health Officers constitute the most appropriate way to inform members.

INDOOR	Noise Level, dB(A)	OUTDOOR
Rock Band	110	Underneath aircraft landing at 1km from runway
Night club	100	1m from pneumatic road breaker
Food blender at 1m	90	1m from petrol lawnmower
Vacuum cleaner at 1m	80	Pavement of city street
Loud voice at 1m	70	Aircraft at height of 200m
Normal voice at 1m	60	30m from petrol lawnmower
Open plan office	50	Lorry at 100m, heavy rainfall
Refrigerator at 1m	40	Suburban area at night, no local traffic
Concert hall background noise	30	Country area at night, no local traffic
Extremely quiet room	20	Very remote rural area no wind
Nearly Silent	10	Wilderness at night with no wind
Threshold of audibility	0	Threshold of audibility

Every 10 dB increase is about double the subjective loudness.

Every 10 dB decrease is about a halving of subjective loudness.

A 1 dB change is only perceptible under controlled conditions.

A 3 dB change is the minimum perceptible under normal conditions.

Reference:

[https://assets.publishing.service.gov.uk/media/5f10822ae90e075e8947b3aa/Section F - Sound Noise and Vibration.pdf](https://assets.publishing.service.gov.uk/media/5f10822ae90e075e8947b3aa/Section_F_-_Sound_Noise_and_Vibration.pdf)

