

258448 THG Kings Street Town House and Spa – SPL Report

This document has been generated by ProAV commissioning department on request of THG.

The documents contains the report from SPL Leq measurements at King Street Town House & Spa, as well as visual evidence of sound limiting hardware installation.

Report:

Measurements were taken in the Gym Equipment area of King Street Town House Hotel & Spa.

Hardware used:

NTI

Device Info: XL2, SNo. A2A-07003-E0, FW4.84

Mic Sensitivity: 37.9 mV/Pa

AMECAL

Device Info: SC05

Standards: EMC; EN: 61326; IEC 61672-1 type 2; IEC942 class 2

XL2 Sound Level Meter RTA Reporting:

THG\$\2022-12-22_SLM_002_RTA_Oct_Report.txt

Hardware Configuration

Device Info: XL2, SNo. A2A-07003-E0, FW4.84

Mic Sensitivity: 37.9 mV/Pa

(User calibrated 2022-12-22 09:34)

Time Zone: UTC+00:00

Measurement Setup

Profile: Full mode

Append mode: OFF

Timer mode: continuous

Timer set: --:--:--

Resolution: 1/1 Octave

Range: 20 - 120 dB

Time

Start: 2022-12-22, 09:34:54

End: 2022-12-22, 09:35:54

RTA Results

Band [Hz]	63.0	125.0	250.0	500.0	1000.0	2000.0	4000.0	8000.0
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[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
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LZeq	67.8	56.9	63.5	62.9	56.4	57.4	50.3	44.1
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#Checksum

AA7B7804798216BA9E71F8C7AA672C7D

SYSTEM PASS.

Validation of Control Measures:

The below information demonstrates fulfilment of the following requirement:

'confirmation of how the music levels in the gym used in the assessment will be set and subsequently controlled and validation that the levels have been set and control measures installed (i.e. sound limiter)'

The below screenshots are taken from the Yamaha MTX-Editor DSP software; these screenshots demonstrated that signal limiters have been implemented throughout the entirety of the THG King Street Hotel & Spa, to ensure that maximum recorded SPLs cannot be exceed. These settings cannot be accessed without network and AV security privileges, therefore preventing tampering.

Further, all DSP and amplification is situated in a locked room, inside locked equipment racks. THG will be able to supply photographic evidence of this (if required) as ProAV do not have access privileges due to the security implemented.



