



# Acoustic Test Report

Date of Testing \_\_\_\_\_

# Test conditions

Test carried out according to ISO 3744:2010(E)

## Device tested

Brand: \_\_\_\_\_

Model: \_\_\_\_\_

Serial #: \_\_\_\_\_

Software version: \_\_\_\_\_

## Environment

Temperature: \_\_\_\_\_

Humidity: \_\_\_\_\_

Warm-up Time (mins): \_\_\_\_\_

Ambient Noise Level: \_\_\_\_\_

## Fixture placement:

Fixture was placed at least one meter from walls and ceiling, as described in the Standard ISO 3744:2010(E)

## Instrumentation

### Instruments used

| Measurement<br>Microphones | Equipment         | Make   | Type  |
|----------------------------|-------------------|--------|-------|
|                            | Acoustic Analyser | NTI    | XL2   |
|                            | Audio Switch      | Kramer | VS-4X |
|                            | Mic 01            | NTI    | M4261 |
|                            | Mic 02            | NTI    | M4261 |
|                            | Mic 03            | NTI    | M4261 |
|                            | Mic 04            | NTI    | M4261 |
|                            | Mic 05            | NTI    | M2230 |

## Setup

The product was placed in a semi-anechoic chamber (See figure 1). The ceiling, floor and walls were all acoustically absorbent. The main dimensions of the room were 4.15 m x 3.60 m x 3.30 m (Length x Width x Height)

### FIGURE 01: TEST SETUP

The product was allowed a minimum of \_\_\_\_\_ minutes of warm-up time before measurements were performed.

## Measurement method

Measurements were carried out using a setup with 4 microphones. The microphones were in turn moved to the measurement positions described below.

Measurement setup:

Microphone 01 is setup

Microphone 02 is setup

Microphone 03 is setup

Microphone 04 is setup

Mic 5 is set up for continuous background noise measurement

| Ambient Noise Level: | Fan Control Auto |     | Fan Control High |     | Fan Control Low |     | Fan Control Studio |     | Fan Control Mute |     |
|----------------------|------------------|-----|------------------|-----|-----------------|-----|--------------------|-----|------------------|-----|
|                      | dB(A) @ ____M    |     | dB(A) @ ____M    |     | dB(A) @ ____M   |     | dB(A) @ ____M      |     | dB(A) @ ____M    |     |
|                      | LAqe             | MAX | LAqe             | MAX | LAqe            | MAX | LAqe               | MAX | LAqe             | MAX |
| Microphone 01        |                  |     |                  |     |                 |     |                    |     |                  |     |
| Microphone 02        |                  |     |                  |     |                 |     |                    |     |                  |     |
| Microphone 03        |                  |     |                  |     |                 |     |                    |     |                  |     |
| Microphone 04        |                  |     |                  |     |                 |     |                    |     |                  |     |
| Avg Mics 1-4         |                  |     |                  |     |                 |     |                    |     |                  |     |
|                      |                  |     |                  |     |                 |     |                    |     |                  |     |
|                      |                  |     |                  |     |                 |     |                    |     |                  |     |
|                      |                  |     |                  |     |                 |     |                    |     |                  |     |

## Results: