

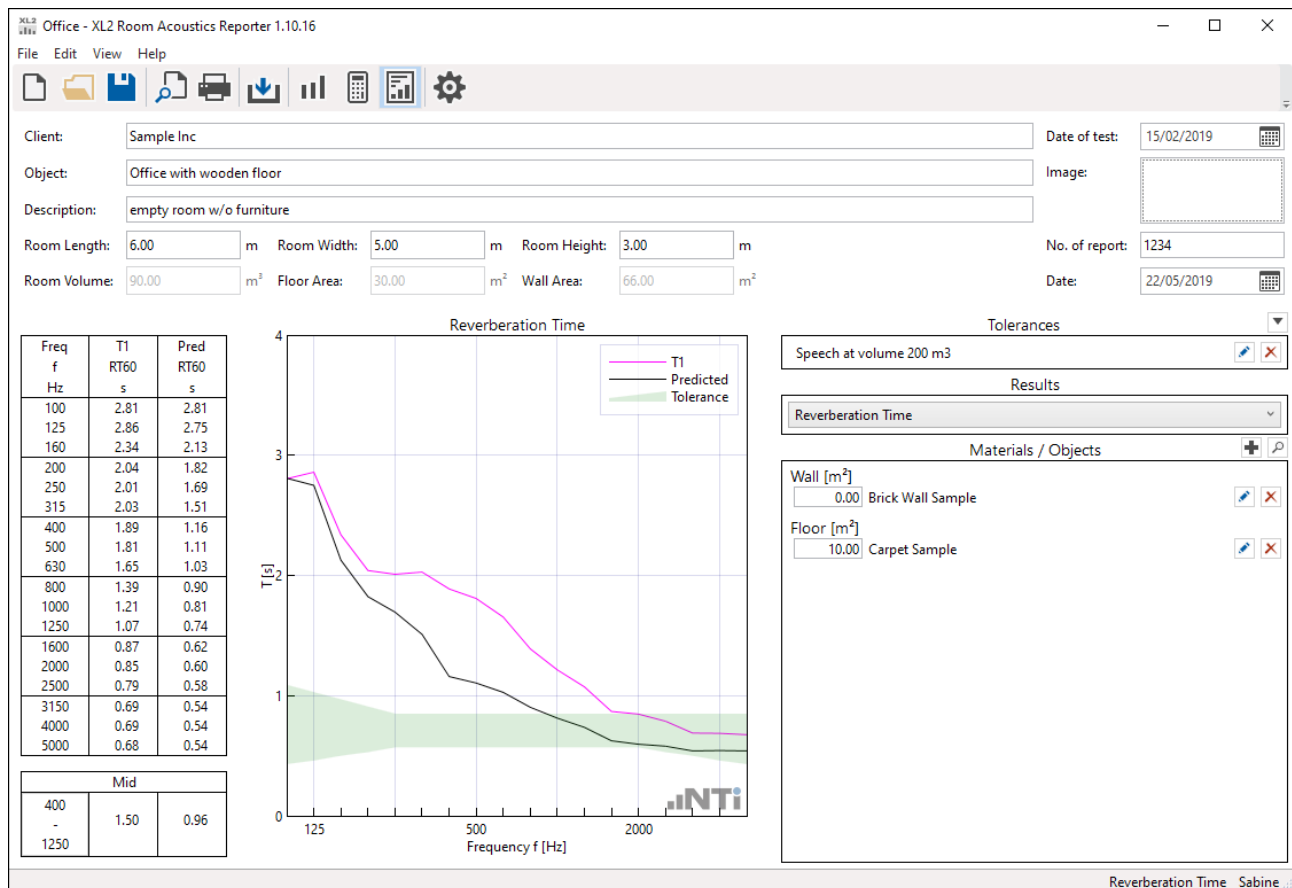
Room Acoustics Reporter

for XL2 Sound Level Meter

The Room Acoustics Reporter software combined with the XL2 Sound Level Meter forms the dedicated measurement solution for professional room acoustic applications. Room Acoustics Reporter is a PC-Software for detailed data analysis and standardized reporting.

Key Features

- Reverberation Time
- Absorption Coefficient
- Noise Spectrum RTA
- Noise Curves
- Standardized Reporting



Reverberation Time Result with Tolerance Band

Specifications

Standards	<p>Spectrum</p> <ul style="list-style-type: none"> • IEC 61260: Octave-band and fractional-octave-band filters • GB 50371 - Code for sound reinforcement system design of auditorium <p>Noise Curves</p> <ul style="list-style-type: none"> • ANSI/ASA S12.2-2008 - Noise criteria curves NC • ANSI/ASA S12.2-2008 - Room noise criterion RNC • DIN 15996:2008 - Grenzkurven GK • ISO R 1996-1971 - Noise rating curves NR <p>Reverberation Time</p> <ul style="list-style-type: none"> • ASR A3.7:2018 - Working Place • DIN 18041: 2016 - Acoustic quality in rooms • ISO 3382-1:2009 - Reverberation time in performance spaces • ISO 3382-2:2008 - Reverberation time in ordinary rooms • ÖNORM B 8115-3:2015 - Room Acoustics <p>Sound Absorption</p> <ul style="list-style-type: none"> • ASTM C423-17 - Sound Absorption by the Reverberation Room Method • ISO 354:2003 - Sound absorption in a reverberation room
Reverberation Time	<ul style="list-style-type: none"> • 1/1 or 1/3 octave resolution • Averaging of multiple readings • Loading individual cycle results of measurement • Calculation of average reverberation time T_{mid} in accordance with ISO 3382-1:2009 • Result simulation with added acoustic-absorbing materials or additional persons in the room • Import or export materials with absorption coefficients • Edit absorption coefficients • Estimate predicted reverberation time • Upper and lower tolerance for passed/failed decision
Spectrum (RTA)	<ul style="list-style-type: none"> • 1/1 or 1/3 octave resolution • Averaging of multiple readings • A, C and Z-weighting • Calculations <ul style="list-style-type: none"> - Sum of multiple noise spectra - Background noise correction - Difference D - Broadband level • Import or export tolerances • Upper and lower tolerance for passed/failed decision
Operating System	<ul style="list-style-type: none"> • Windows Vista, 7, 8.x and 10
Order Information	<ul style="list-style-type: none"> • Room Acoustics Reporter 365 (annual subscription service) NTi Audio # 600 000 441 • XL2 Room Acoustics Option (permanently installed option in XL2) NTi Audio # 600 000 440

All information is subject to change without notice.