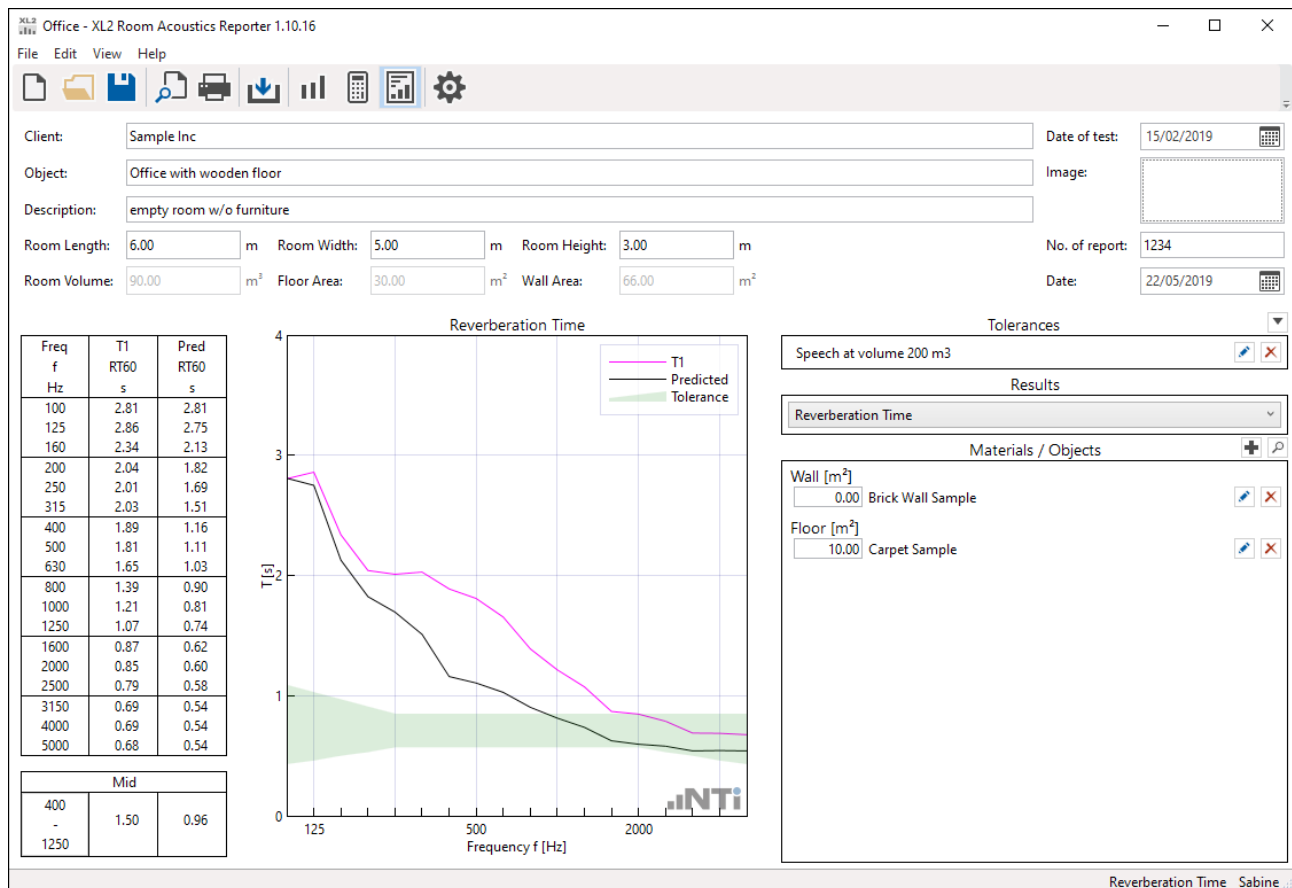# Room Acoustics Reporter
for XL2 Sound Level Meter

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	**Spectrum** • IEC 61260: Octave-band and fractional-octave-band filters • GB 50371 - Code for sound reinforcement system design of auditorium **Noise Curves** • ANSI/ASA S12.2-2008 - Noice criteria curves NC • ANSI/ASA S12.2-2008 - Room noice criterion RNC • DIN 15996:2008 - Grenzkurven GK • ISO R 1996-1971 - Noise rating curves NR **Reverberation Time** • 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 **Sound Absorption** • ASTM C423-17 - Sound Absorption by the Reverberation Room Method • ISO 354:2003 - Sound absorption in a reverberation room
Reverberation Time	• 1/1 or 1/3 octave resolution • Averaging of multiple readings • Loading individual cycle results of measurement • Calculation of average reverberation time Tmid 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)	• 1/1 or 1/3 octave resolution
	• Averaging of multiple readings
	• A, C and Z-weighting
	• Calculations
	  - Sum of multiple noise spectra
	  - Background noise correction
	  - Difference D
	  - Broadband level
	• Import or export tolerances
	• Upper and lower tolerance for passed/failed decision

Reporting	• PDF via PDF-printer • XPS • Copy/paste data into User Reports
Languages	• English, German, Chinese
Operating System	• Windows Vista, 7, 8.x and 10

Licensing	• Activated annual subscription service "Room Acoustics Reporter 365" online at my.nti-audio.com or permanently installed "Room Acoustics Option" in XL2; this enables the import of measurement data into the software • Room Acoustics Reporter can be installed on multiple computers.
XL2 Requirements	• Installed optional Extended Acoustic Pack to measure the RT60 reverberation time in 1/3 octave band resolution.
Order Information	• 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.