Aircraft noise certification - EPNL result

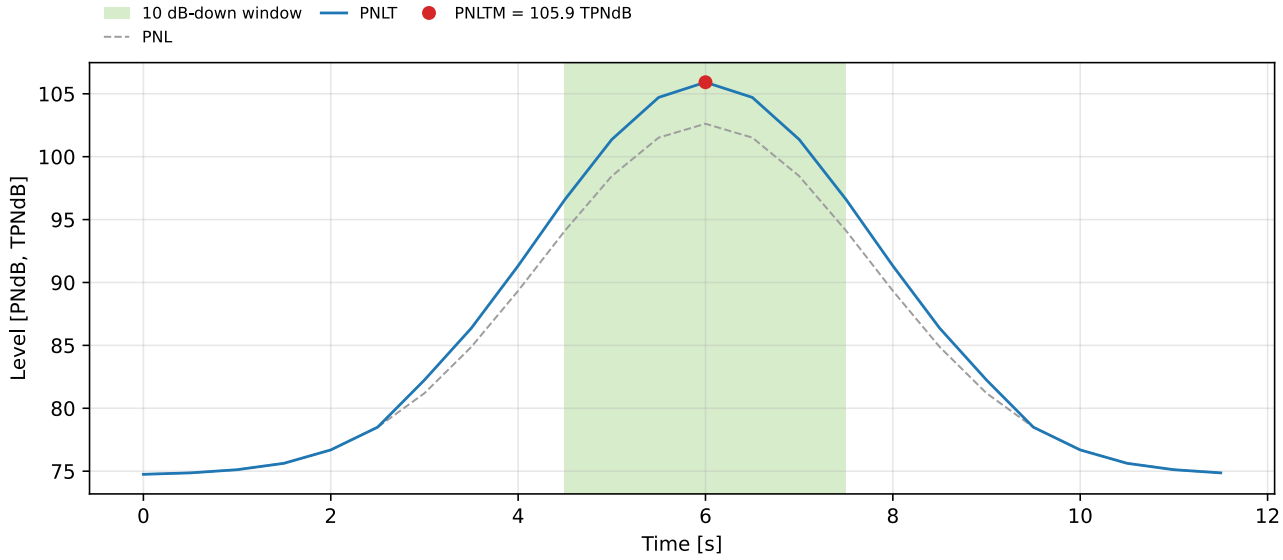
ICAO Annex 16 Vol I Amendment 14 Chapter 4. Effective Perceived Noise Level per ICAO Annex 16, Volume I, Appendix 2.

Aircraft:	Example twin-turbofan transport (synthetic flyover)	Manufacturer / TC holder:	Example Aircraft Company
Applicant:	Example Aircraft Company	Measurement point:	Flyover reference point
Date of test:	2026-07-20		

Reference conditions: 25 °C (ISA + 10 °C), 70% relative humidity, 1013.25 hPa sea-level pressure, zero wind (ICAO Annex 16 Vol I Part II, 3.6.1.5).

Intermediate quantities

PNLTM [TPNdB]	105.9
Duration correction D [dB]	−7.6
10 dB-down window (records)	10–16



EPNL = **98.3 EPNdB**

Certification limit

Metric	Measured	Target / Limit	Result
EPNL [EPNdB]	98.3	≤ 101 (margin +2.7)	● PASS

Laboratory: Phonometry reference example
Report no.: EXAMPLE-EPNL
Date: 2026-07-20
Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.

Generated by phonometry.

This is a computational EPNL result per ICAO Annex 16 Vol I Appendix 2; it is not an official State noise certificate (e.g. EASA Form 45).