

AI TRANSPARENCY CARD	
System Name	Turing Demonstrator
Version	v9.0.242
Last Updated	April 7, 2025
Model Type	Spiking Neural Network
Underlying Model(s)	Turing in-house model
PURPOSE & USE	
Intended Use	Simple demonstrator of a Spiking Neural Network
Prohibited Use	It is not intended for production environments, and it's intentionally not instrumented to accept real-world inputs (or real-world outputs).
Deployment Environment	No restrictions
INPUTS & OUTPUTS	
Input Data Types	User settings
Output Types	Screen depiction of neural firing patterns
Does output contain PII?	No
Is output used for automated decisions?	No
PERFORMANCE & TESTING	
Performance Metrics	User understanding of underlying principles of real-time spiking behavior of SNNs and how they differ from LLMs
Test Set Description	Varies with every run.
Bias Evaluation	Does not apply
Security Testing	Does not apply (no actual information is exchanged)
RISKS & LIMITATIONS	
Known Limitations	This is not a language model. The mapping of real-world data into spike streams is the hard problem to solve on a per-project basis.
Residual Risks	Not all problems are suitable to spiking decomposition and modularization
Override / Feedback Mechanism	Does not apply
GOVERNANCE	

System Owner	Michael Bilca, temper.ai
Review Cadence	Annual, or upon material version change. Last reviewed: April 2026.
Third-Party Models Used	None — the Turing Demonstrator runs an entirely in-house Spiking Neural Network. No external model APIs are used.
Approved for Government Use?	Yes — approved for demonstration purposes only (showing SNN firing behavior). Not approved for processing CUI or operational data.