

Supplementary Materials

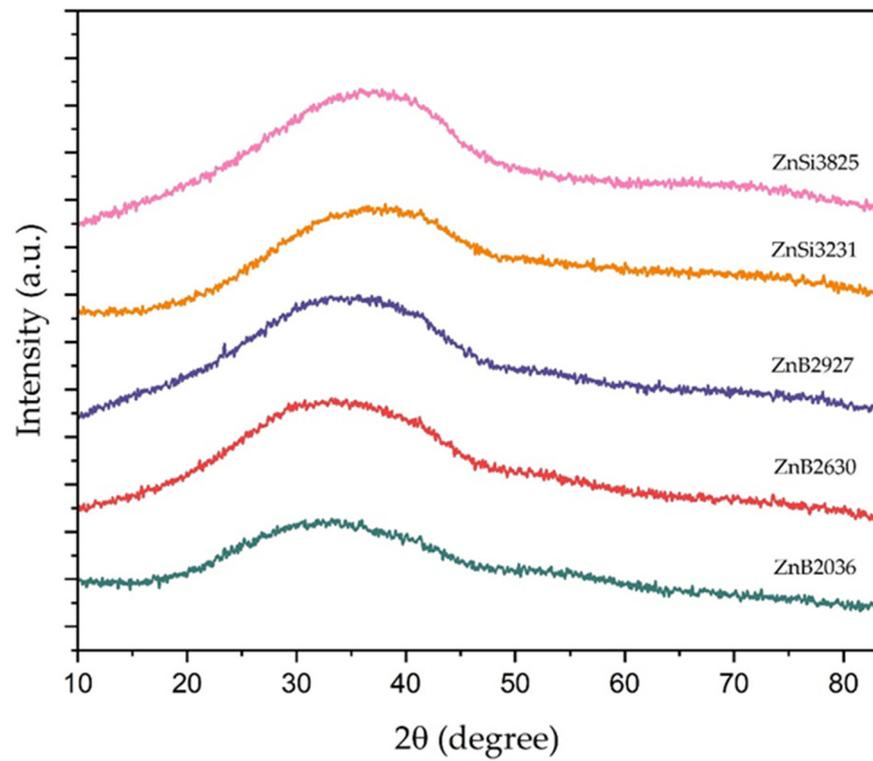


Figure S1. XRD patterns of as-cast transparent glass samples.

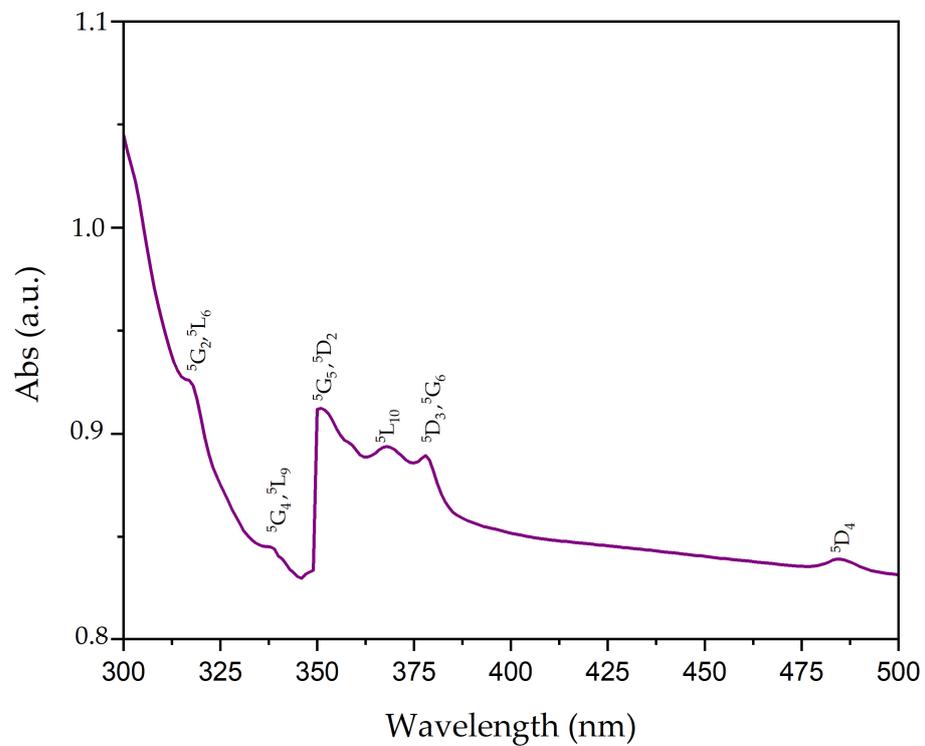


Figure S2. Absorption spectra of Tb³⁺-doped glass samples in the UV-Vis region.

Figure S2 shows the UV–vis room temperature absorption spectra for all Tb³⁺-doped zinc borosilicate glass samples. Six absorption peaks, at 317 nm, 338 nm, 351 nm, 368 nm, 378 nm, and 487 nm, were associated with the transition from the ⁷F₆ ground state to the higher excited states of (⁵G₂, ⁵L₆), (⁵G₄, ⁵L₉), (⁵G₅, ⁵D₂), ⁵L₁₀, (⁵D₃, ⁵G₆), and ⁵D₄, respectively [46–49].