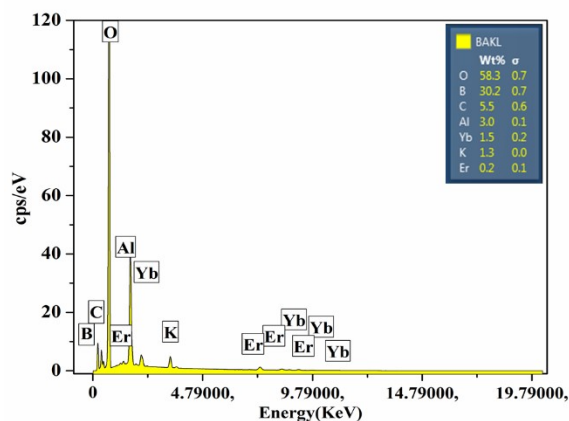
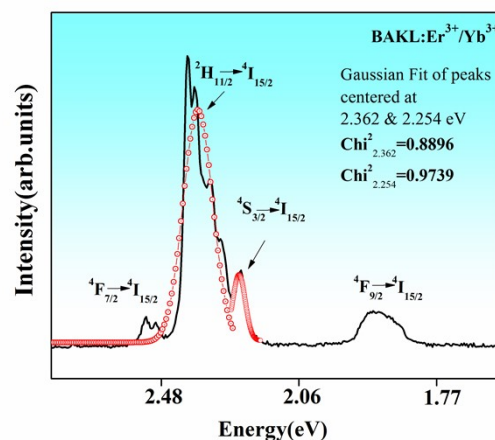


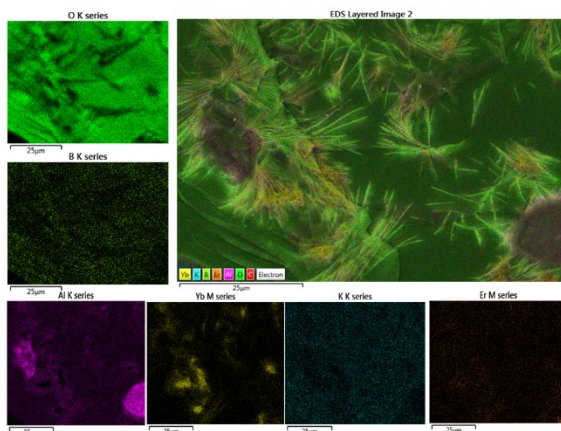
Electronic Supplementary Information:



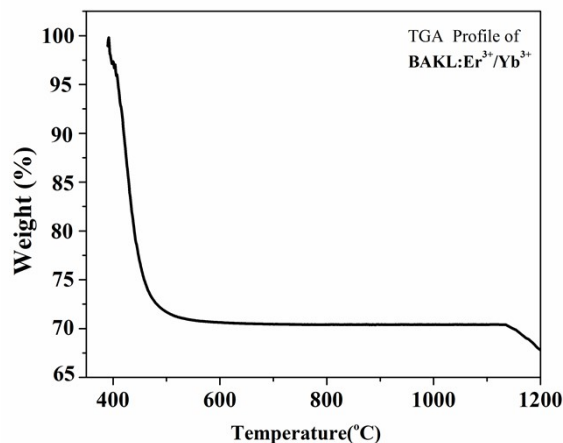
ESI 1: Electron Dispersion X-ray spectroscopy (EDX) of  $Er^{3+}/Yb^{3+}$  doped BAKL GCs.



ESI 4: Gaussian fitted upconversion emission spectra of  $Er^{3+}/Yb^{3+}$  codoped BAKL GCs



ESI 2: Elemental mapping through Electron Dispersion X-ray spectroscopy (EDX) of  $Er^{3+}/Yb^{3+}$  doped BAKL GCs.



ESI 3: TGA trace profile of  $Er^{3+}/Yb^{3+}$  codoped BAKL GCs phosphor.