## **Supporting Information**

## A green emitting (Ba,Ca)ScO<sub>2</sub>F: Bi<sup>3+</sup>, K<sup>+</sup> perovskite phosphor with high efficiency and good thermal stability for LED backlight displays

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Figure S1. XPS spectrum of the BaScO<sub>2</sub>F:0.01Bi<sup>3+</sup> sample.