THERMAL EMISSION SPECTRUM OF THE YTTERBIUM MONOHALIDES IN THE REGION 450 - 590 NM

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An electronic emission spectrum of the ytterbium monohalide molecule, excited in high temperature furnace, has been photographed in the 450 - 590 nm region at a reciprocal linear dispersion of 0.73 nm. A large number of new bands have been recorded along with the reported bands. The observed bands have been classified into two systems viz. A-X and B-X. The modified vibrational constants have been determined for the relevant states.