

Supporting Information

Analysis of the bias-dependent split emission zone in phosphorescent OLEDs

Markus Regnat^{1,2,}, Kurt P. Pernstich¹, Simon Züfle^{1,3}, Beat Ruhstaller^{1,3}*

¹Zurich University of Applied Sciences ZHAW, Institute of Computational Physics,
Technikumstrasse 9, 8400 Winterthur, Switzerland

²Institut des Matériaux, Ecole Polytechnique Fédérale de Lausanne, EPFL, Station 12, 1015
Lausanne, Switzerland

³Fluxim AG, Katharina-Sulzer-Platz 2, 8400 Winterthur, Switzerland

* Corresponding author. E-mail address: markus.regnat@zhaw.ch

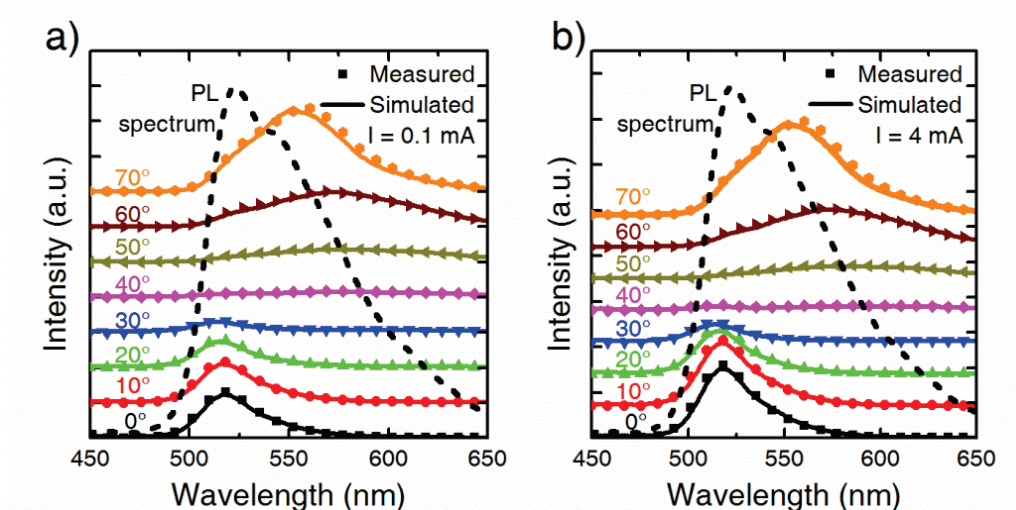


Figure S1. Measured (symbols) and simulated (solid lines) angle-dependent *s*-polarized EL spectra for a constant current of 0.1 mA (a) and 4 mA (b) together with the PL spectrum of the Ir(ppy)₂(acac) emitter molecule.

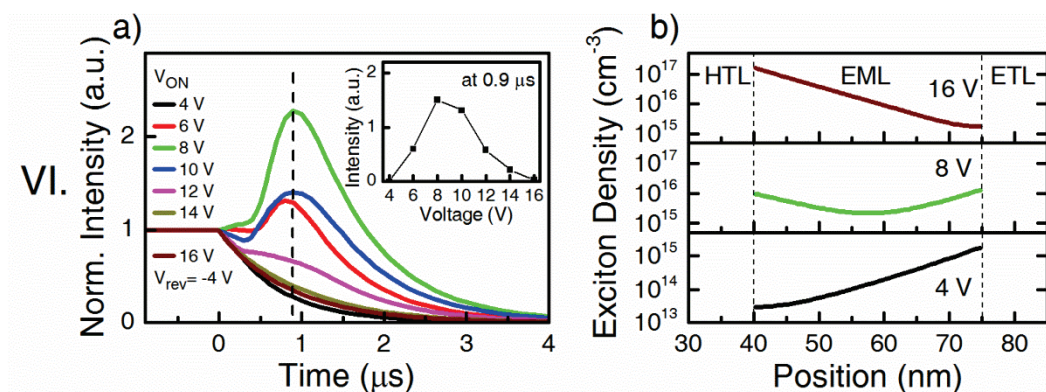


Figure S2. Transient EL signal (a) and exciton densities (b) when triplet-triplet annihilation is considered in the model (case VI). The same qualitative results were obtained as with triplet-polaron quenching (cf. Fig. 7) and without exciton quenching (cf. Fig. 6).