Electronic Supplementary Information (ESI)

Upconverted blue electrochemiluminescence of 9,10-diphenylanthracene with ultrafast response on photo-electro functional DNA/$Ru(bpy)_3^{2+}$ hybrid electrode

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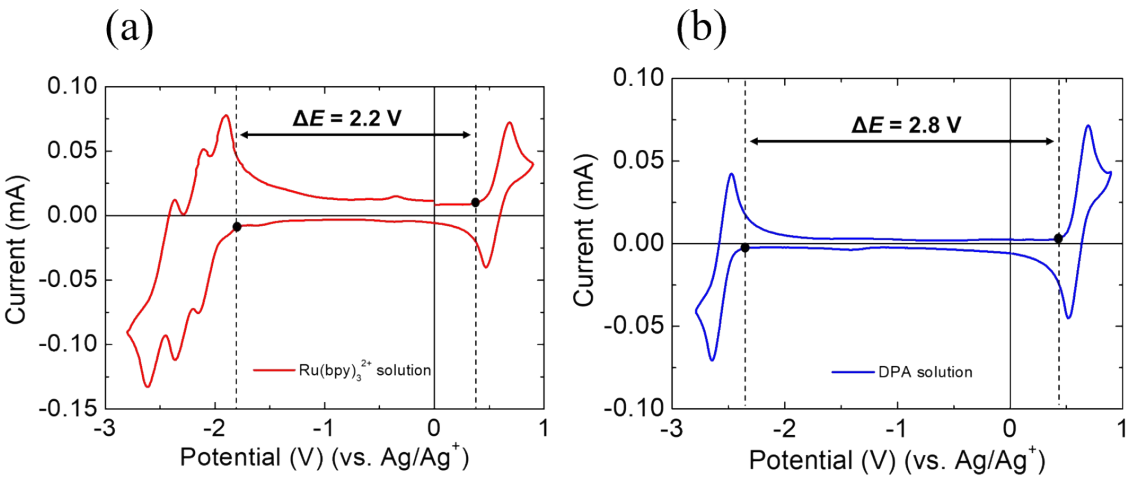

Figure S1. CVs of 3-electrode cells with (a) 10 mmolL^{-1} $Ru(bpy)_3^{2+}$ and (b) 10 mmolL^{-1} DPA in PC/toluene. Scan rate: 50 mVs^{-1}.

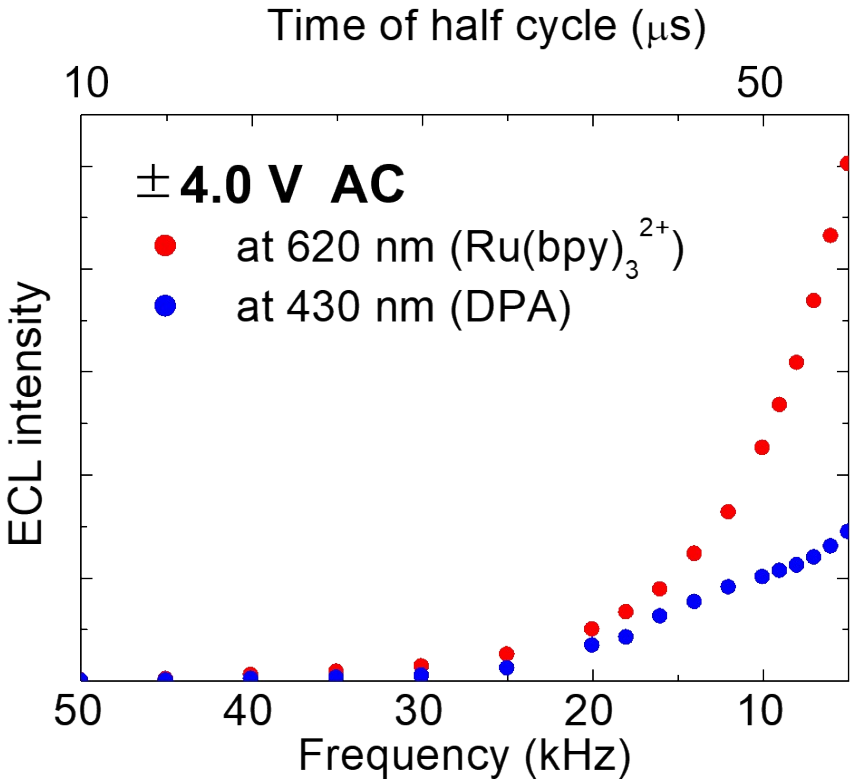

Figure S2. Frequency dependence of ECL intensity from the DNA/$Ru(bpy)_3^{2+}$-DPA device at 620 and 430 nm under the application of rectangular-wave ±4.0 V AC.