

Supporting Information for

**Non-linear Transduction Strategies for Chemo-/Bio- Sensing on
Small Length Scales**

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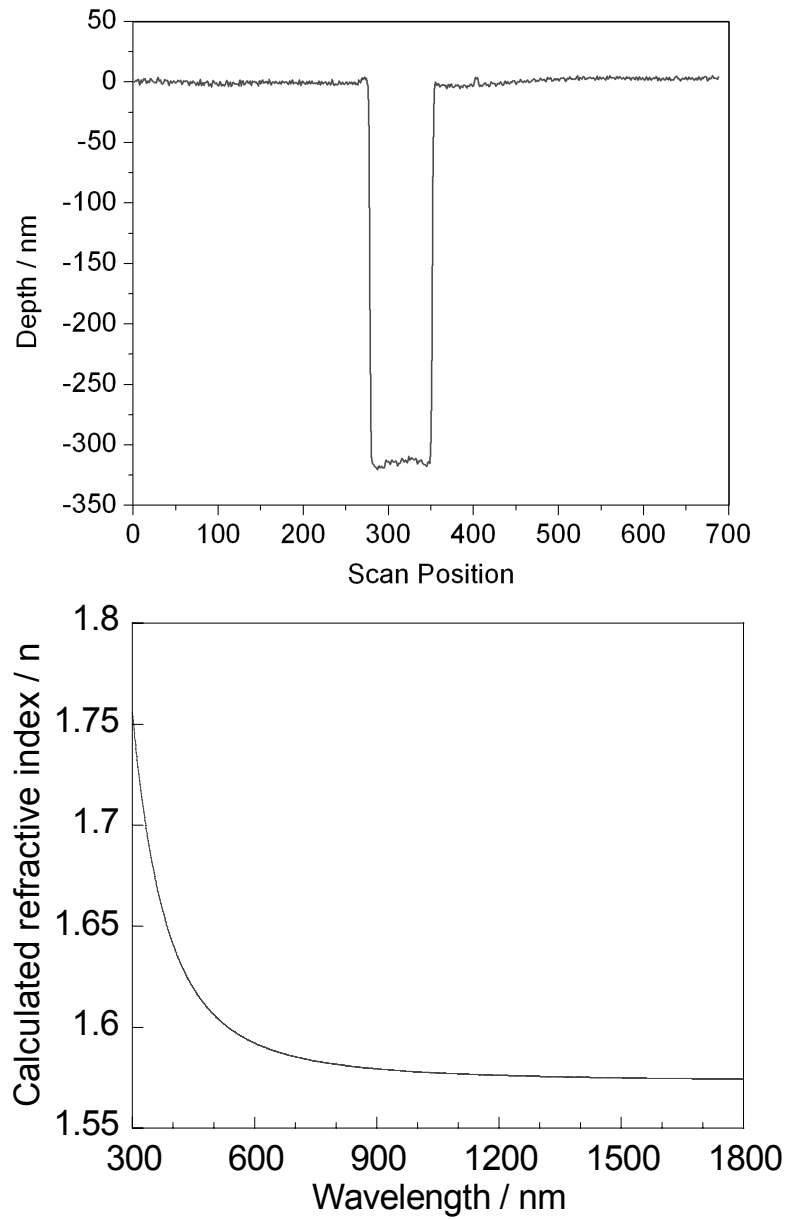


Figure S1. (Top) Surface profilometry trace for a thin film sample with thickness, $d = 318$ nm. (Bottom) Plot of the calculated refractive index (n) from spectroscopic ellipsometry measurements of the same film as a function of wavelength. The thickness is calculated to be $d = 349$ nm.