

Wide-field magnetometry using nitrogen-vacancy color centers with randomly oriented micro-diamonds

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Supplementary information



Figure S1. Bright fluorescent diamond spots identified by the automated ODMR reconstruction algorithm from a single image obtained by the camera. The pixel region is encircled in red with XY coordinates of the spots marked in blue.

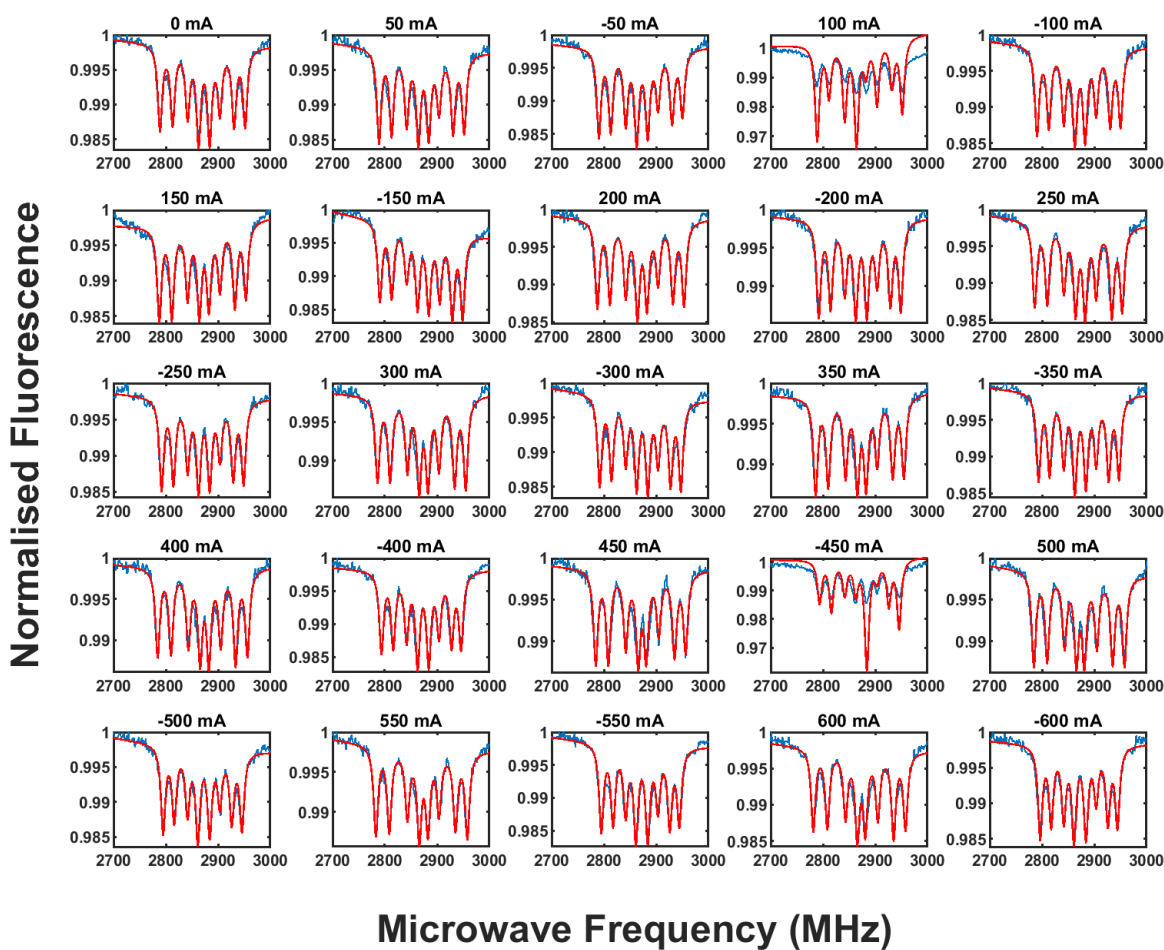


Figure S2. An example of multi-Lorentzian curve fitting to the ODMR spectra retrieved from a single diamond spot using the automated algorithm for different current values.

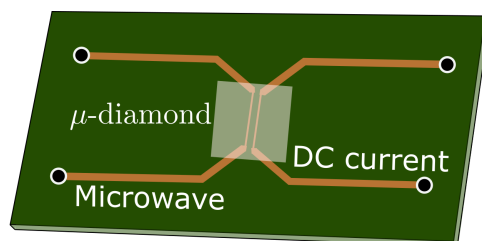


Figure S3. Schematic of the microwave and current striplines with a thin layer of micro-diamond powder deposited on a glass coverslip.