

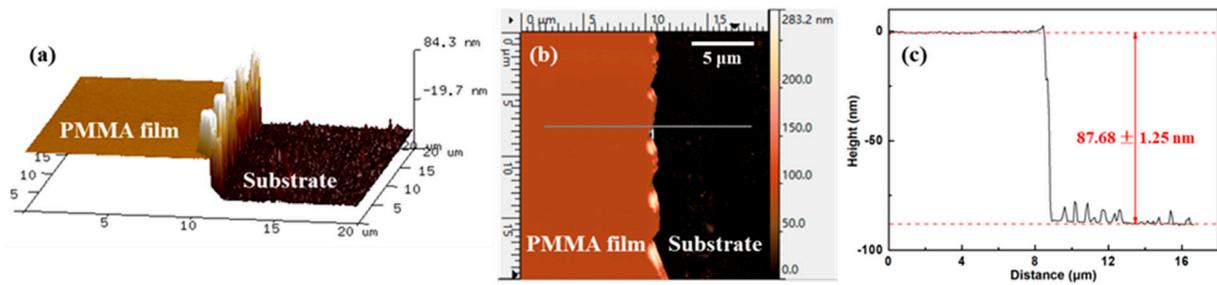
# Supplementary Information for

## Two-step thermal transformation of multilayer graphene using polymeric carbon source assisted by physical vapor deposited copper

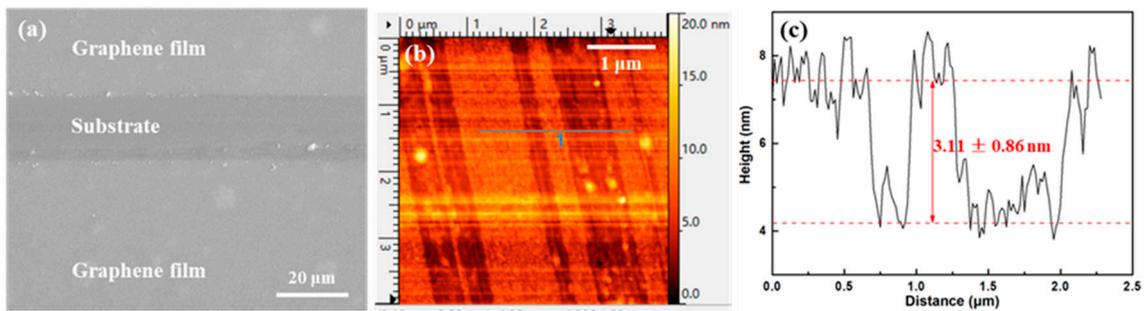
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**Figure S1.** Thickness characterization of the PMMA thin film. **(a)** 3D and 2D AFM **(b)** image of the PMMA film scratched by a tweezer. **(c)** AFM height curve of the PMMA film corresponding to the “line 1” in **(b)**.



**Figure S2.** Characterization of the obtained multilayer graphene film. **(a)** SEM and **(b)** AFM height image of the graphene film scratched by a tweezer. **(c)** AFM height curve of the graphene film corresponding to the “line 1” in **(b)**.