Supporting Information

Mechanism of Horizontally Aligned Growth of Single Wall Carbon Nanotubes on R-Plane Sapphire

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Raman Data taken with 780 nm excitation laser. RBMs were observed at 223, 259 and 285 cm\(^{-1}\). Diameters are calculated by \(\omega_{RBM} = \alpha / d\), where \(\alpha = 248\) cm\(^{-1}\)nm. At most locations, there are no clear Raman signals because of low density of SWNTs. Raman signals only were obtained in several locations on our samples.