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## **Supporting Information**

## Tunable electromagnetic shielding properties of conductive poly(vinylidene fluoride)/Ni chains composite films with negative permittivity

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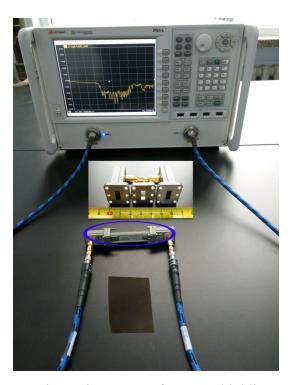


Fig. S1 The experiment instrument for EMI shielding measurement

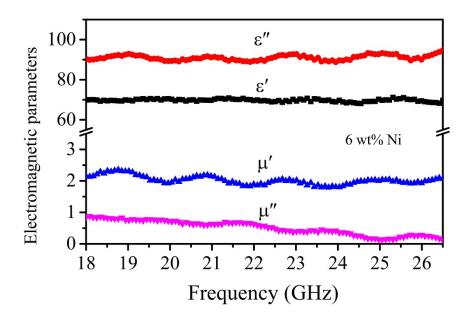


Fig. S2 The complex permittivity ( $\mu_r = \mu' - j\mu''$ ) and permittivity ( $\epsilon_r = \epsilon' - j\epsilon''$ ) of PVDF/6 wt%-Ni composite