

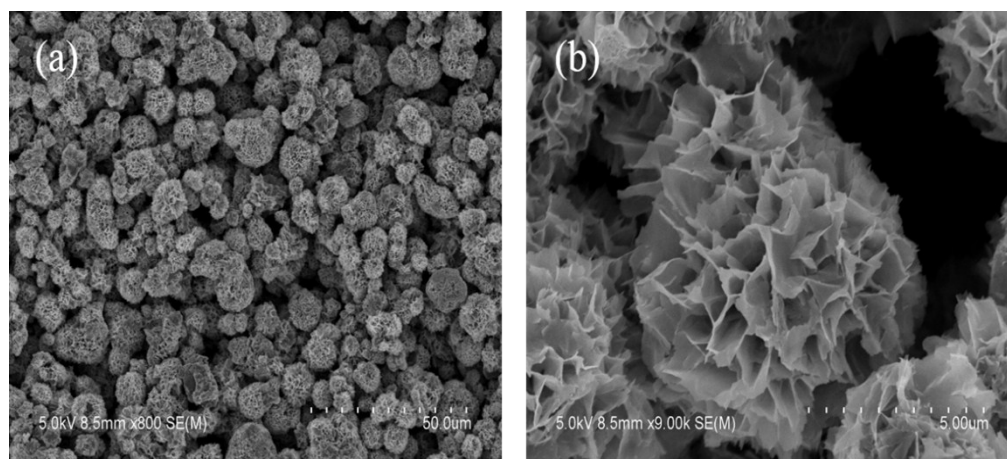


Fig. S1. The images of flower-like NiO porous material.

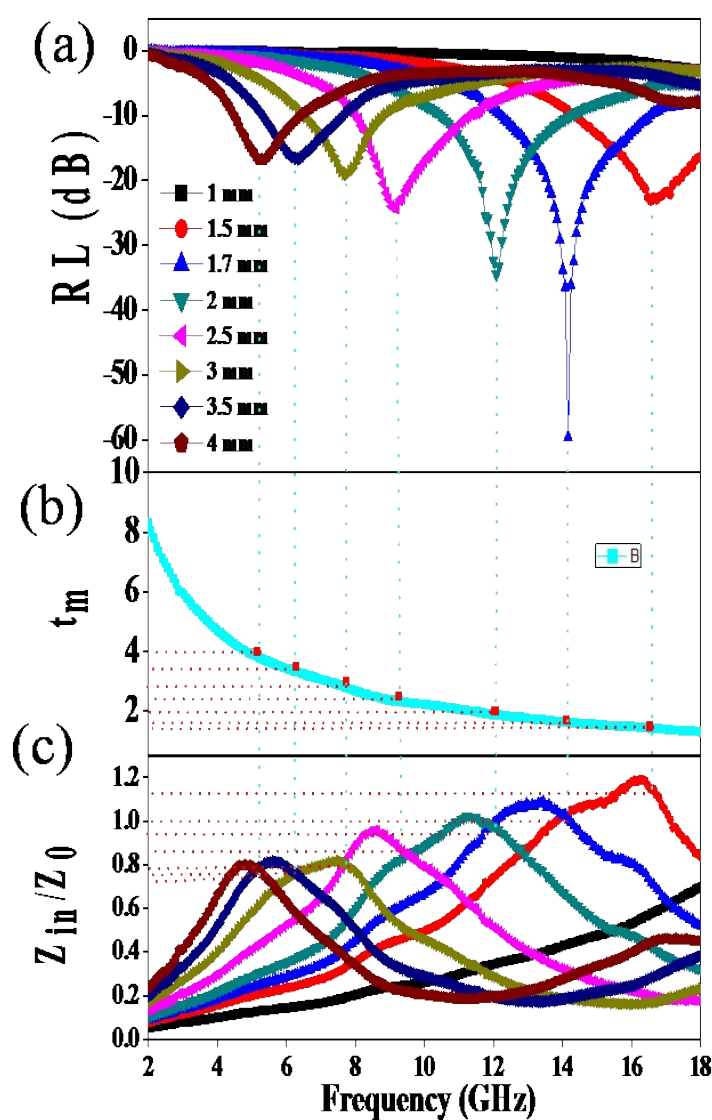


Fig. S2. (a) RL curves for flower-like NiO@graphene composites, (b) Relationship between simulation thickness and peak frequency, (c) The relationship between Z_{in}/Z_0 and frequency.

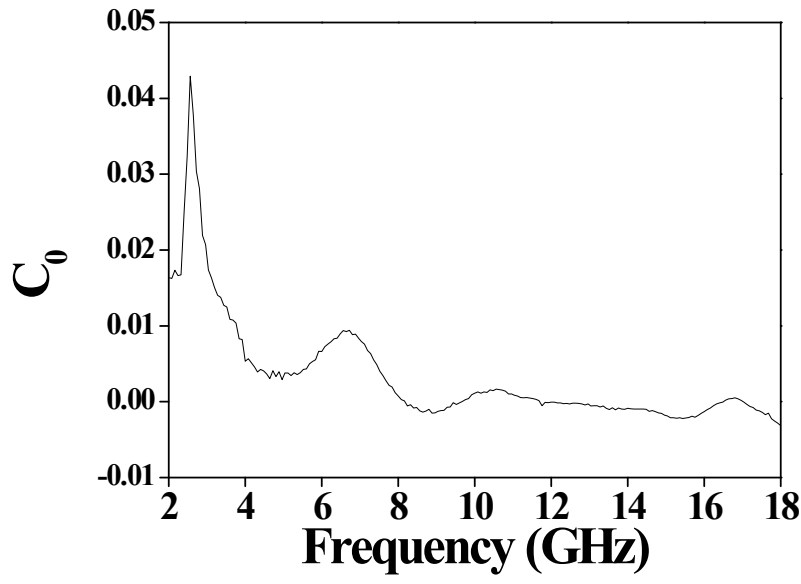


Fig. S3 The values of C_0 ($C_0 = \mu''(\mu')^{-2}f^{-1}$) for porous flower-like NiO@graphene.

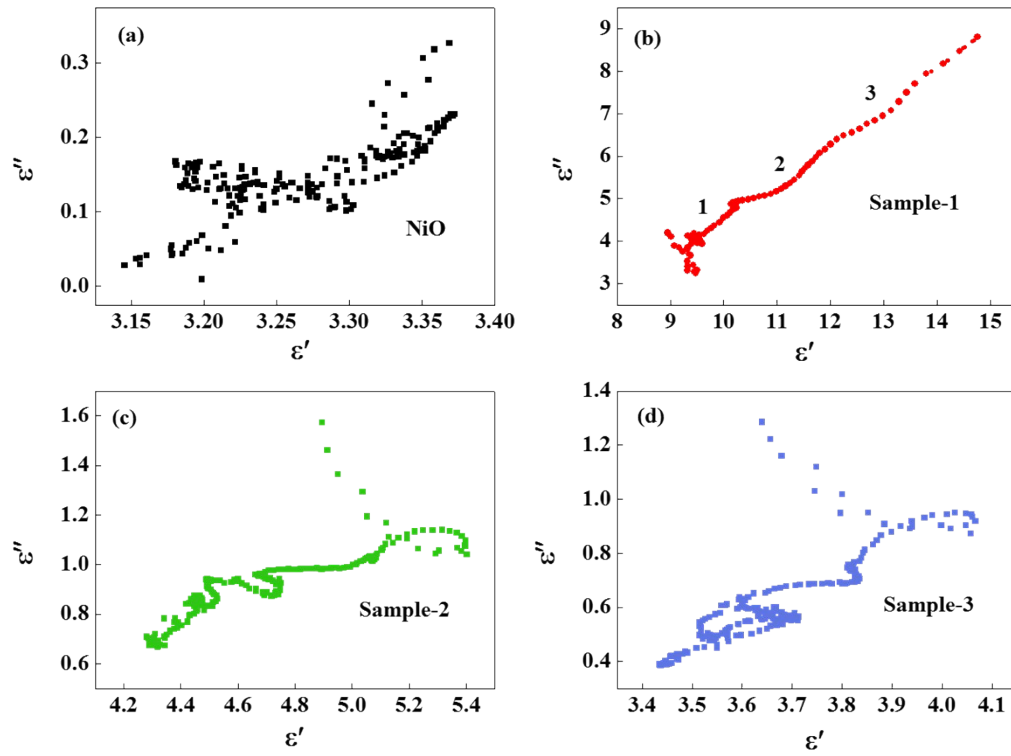


Fig. S4 The $\epsilon' - \epsilon''$ curves of NiO and NiO@graphene composites.

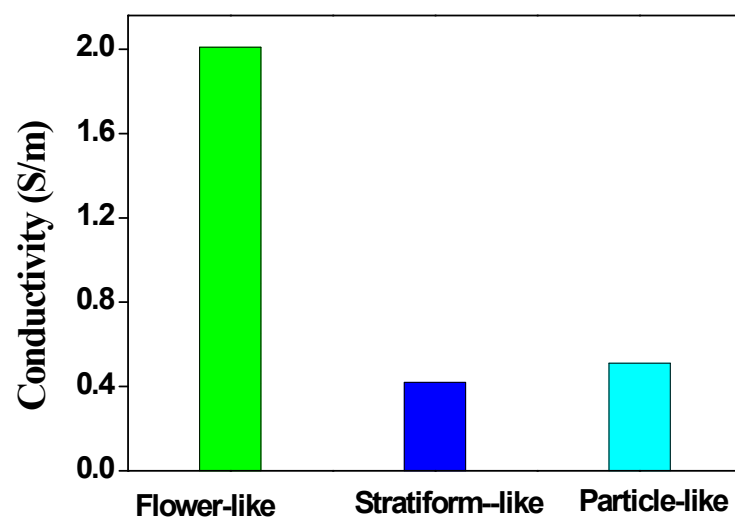


Fig. S5 The electrical conductivity of flower-, stratiform-, and particle-like NiO@graphene composites