

Article

Tunable Complex Permittivity and Strong Microwave Absorption Properties of Novel Dielectric-Conductive ZnO/C Hybrid Composite Absorbents

As shown in Figure S1, the real part of the complex permittivity of the samples cured at 180 °C and pre-carbonized at 400 °C is distributed in the range of 0.03–0.07 and 2.47–2.50, respectively. The corresponding imaginary part of the complex permittivity is 0.01–0.09 and 2.71–2.76, respectively.

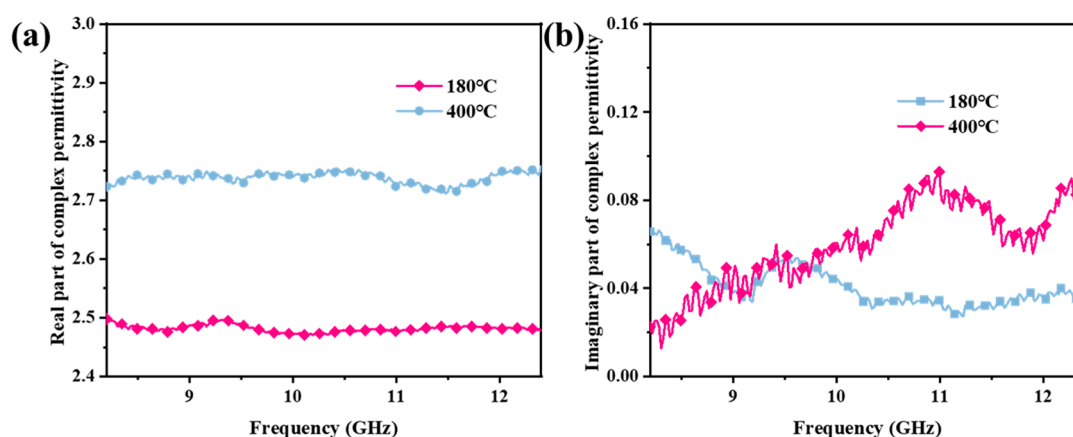


Figure S1. Complex permittivity of the samples after curing treatment at 180 °C and pre-carbonization treatment at 400 °C.

As shown in Figure S2, the real and imaginary parts of the complex permittivity of ZnO-filled paraffin composite sample are distributed in the range of 11.02–11.21 and 0.58–1.19, respectively.

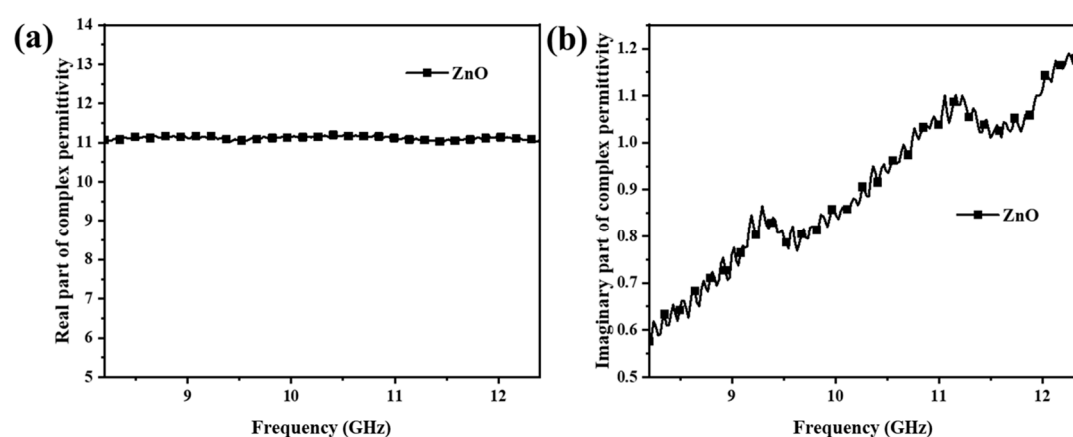


Figure S2. Complex permittivity of ZnO-filled paraffin composite sample.