Supporting information

Negative permittivity enhanced reflection and adsorption of electromagnetic waves from carbon fiber felt/carbon nanotubes

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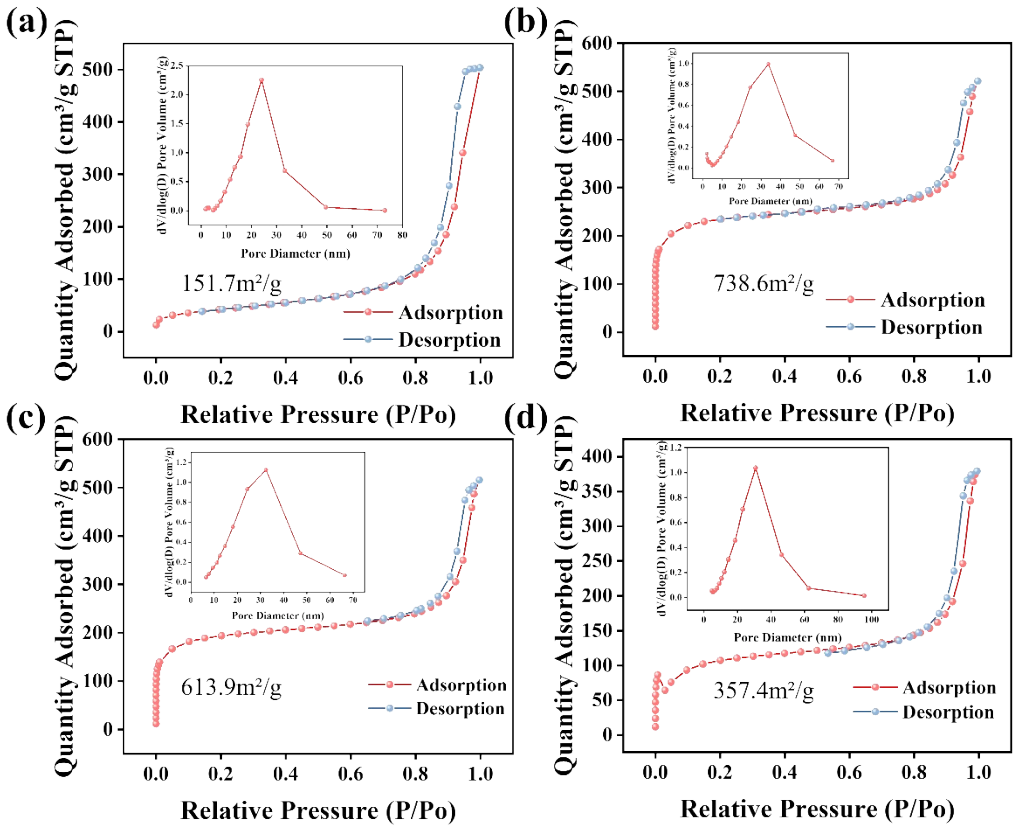

Fig. S1. Nitrogen adsorption-desorption isotherms and pore size distributions of (a) CNTs, (b) CFF, (b) CFF/CNTs-40 and (b) CFF/CNTs-66.

Fig. S2. Optical image of CFF/CNTs-40 on a grass leaf.

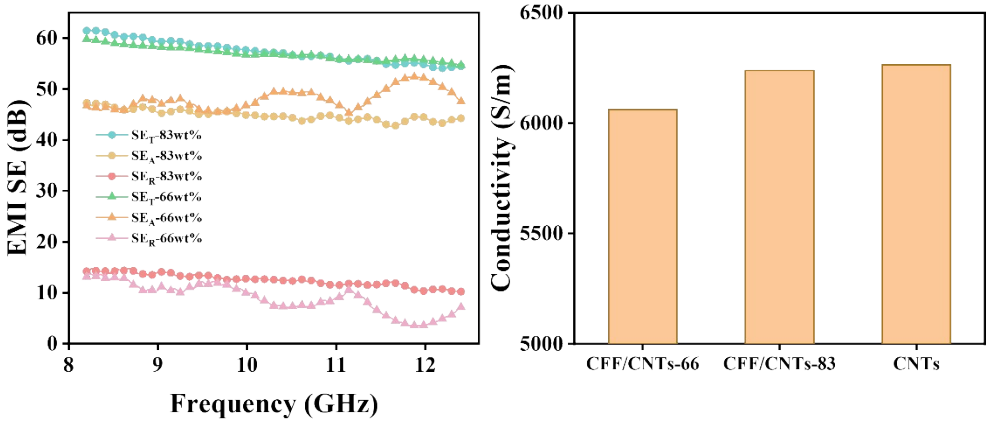

Fig. S3. (a) EMI SE of composites with CNTs concentrations of 66 wt% and 83 wt%, (b) Conductivity of CFF/CNTs-66, CFF/CNTs-83 and CNTs

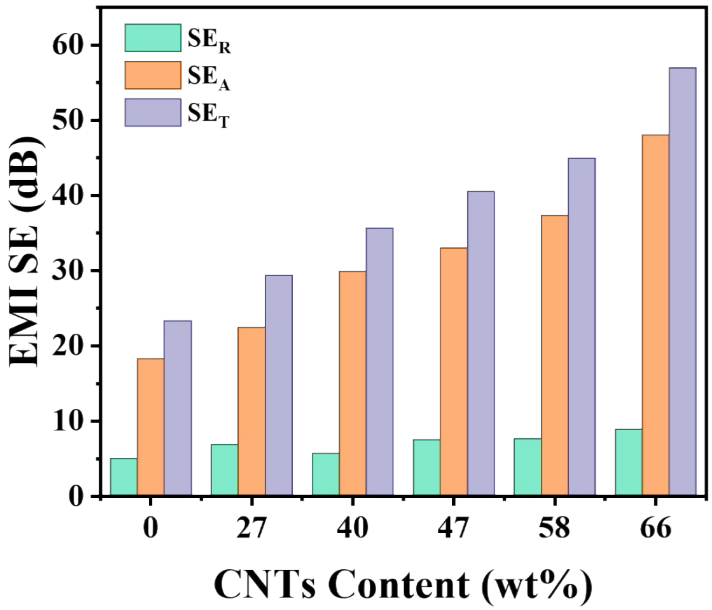

Fig. S4. Comparison of the average SE_T, SE_R and SE_A of CFF/CNTs -x.

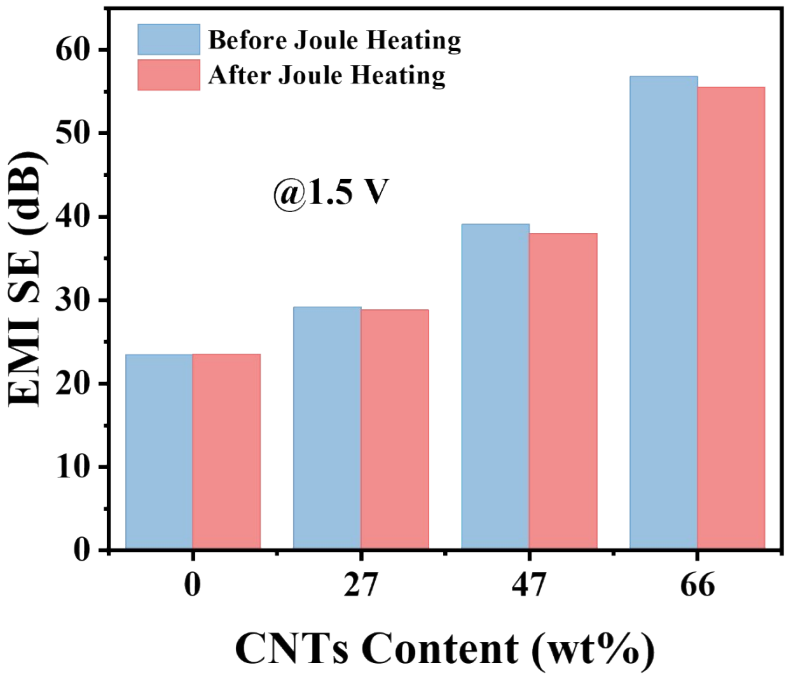

Fig. S5. Changes in EMI SE before and after joule heating of CFF/CNTs at 1.5V.