Electromagnetic radiation driving of volume changes in nanocomposites made of a thermosensitive hydrogel polymerized around conducting polymer nanoparticles

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Supplementary Information

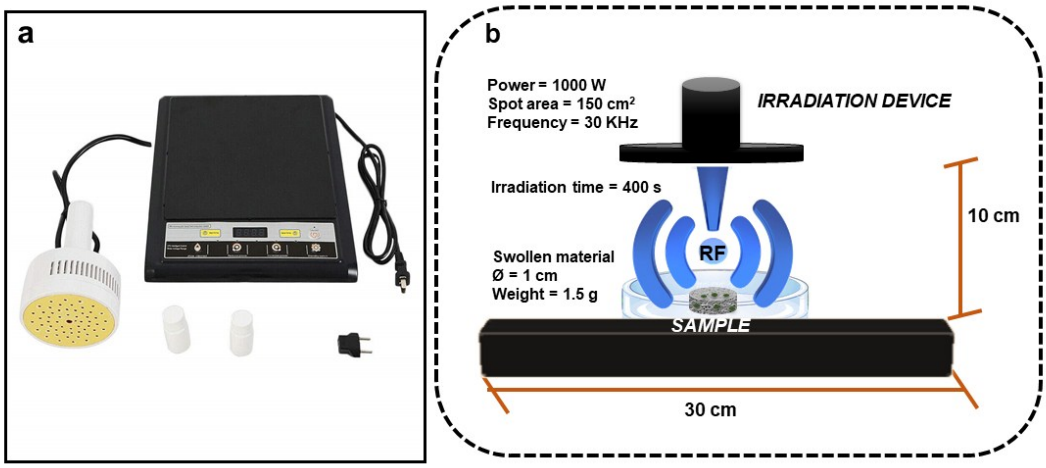

Figure 1 SI. a) Device used to perform the radiofrequency (RF) irradiation and b) diagram of the irradiation experiment.

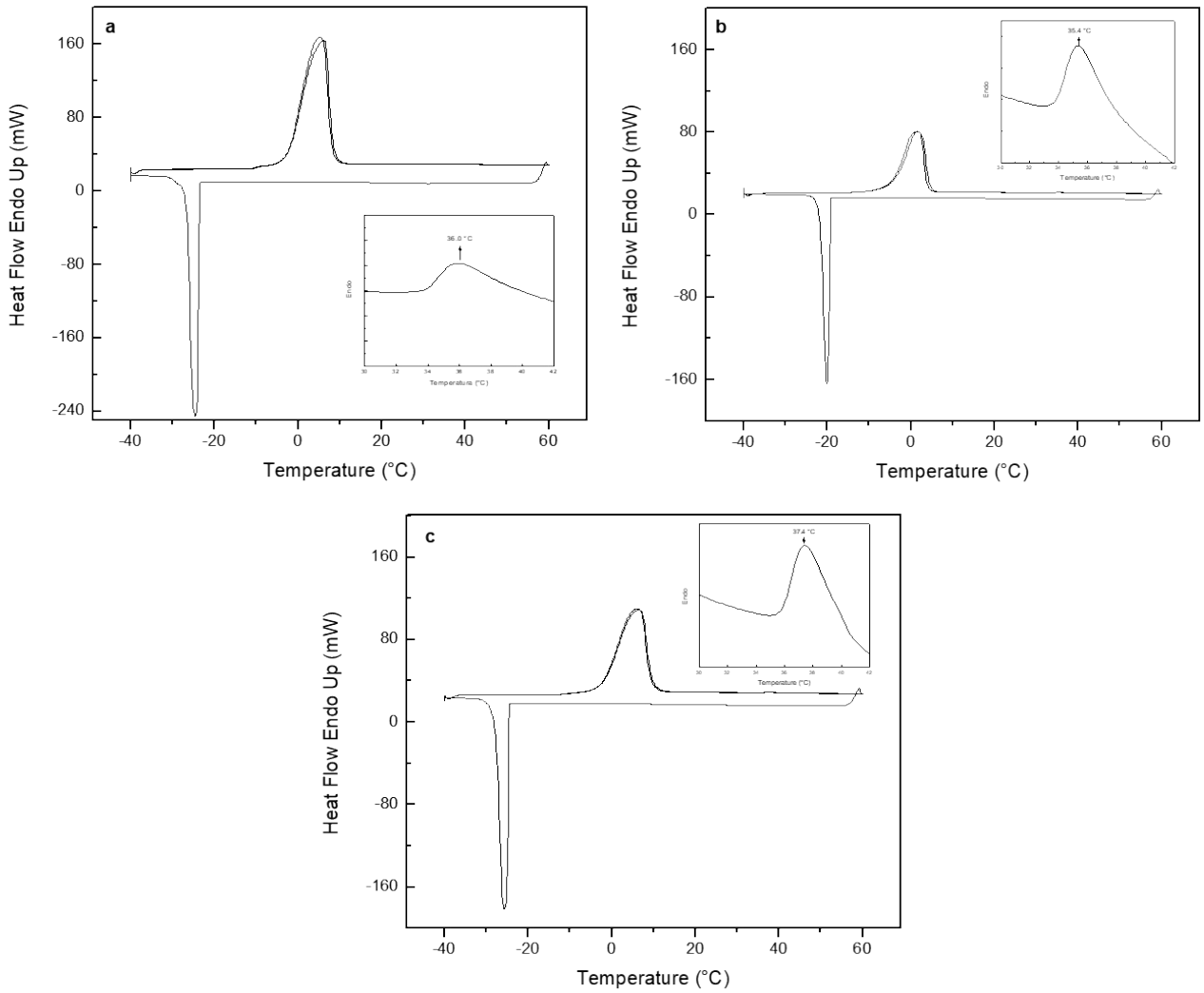

Figure 2 SI. Differential scanning calorimetric plots for: a) HG@PPy NP, b) HG@PANI NF, and c) HG@PANI NP.

Table 1 SI. Irradiation sources used to generate the photothermal effect on composites.

Electromagnetic radiation	**Power (W)**	**Spot area (cm^2)**
Microwaves (MW) 2.4 GHz	700	Whole
Radiofrequency (RF) 30 kHz	1000	150