



Supporting information

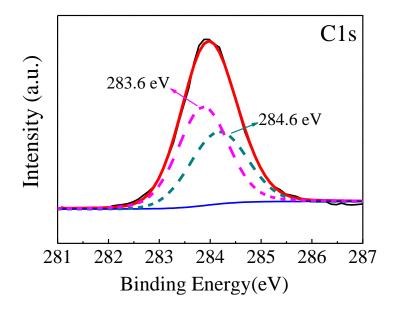


Figure S1. C1s XPS spectra of the Fe(G) nanoparticles.

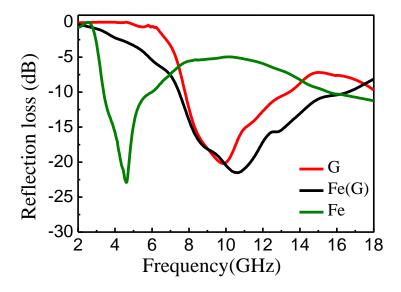


Figure S2. Frequency dependences of R for a Fe(G)/paraffin composite with 40 wt% loading as compared to only graphene (G) and only iron nanoparticles (Fe) of 3 mm in thickness under 2–18 GHz.