Supporting Informations:

Fabrication of Core-Multishell MWCNT/Fe_3O_4/PANI/Au Hybrid Nanotubes with High-Performance Electromagnetic Absorption

Chenyu Liu,[a] Yongjun Xu,[a] Lina Wu,[b] Zhaohua Jiang,[a] Baozhong Shen[b] and Zhijiang Wang[a,*]

[a] School of Chemical Engineering and Technology, State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150001, China.
[b] Department of Medical Imaging and Nuclear Medicine, the 4th Affiliated Hospital, Harbin Medical University, Harbin 150001, China.

Corresponding Author

*Tel: +86-451-86418409. E-mail: wangzhijiang@hit.edu.cn.

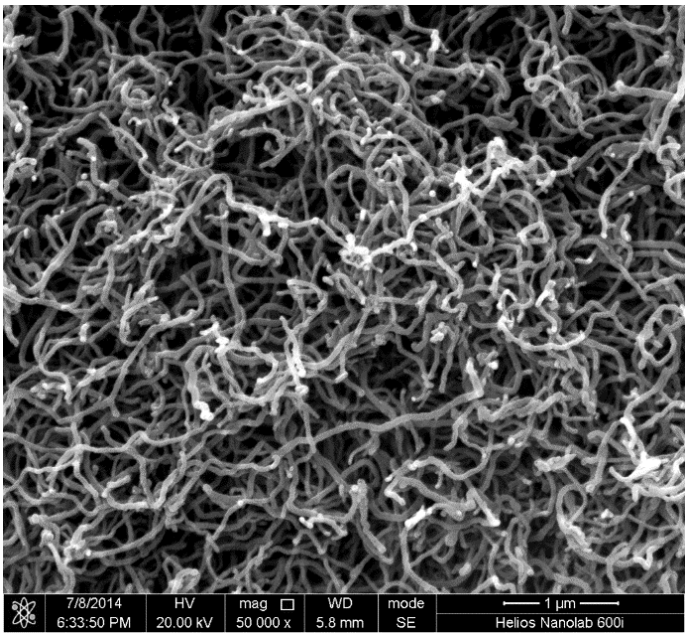

Figure S1. SEM image of MWCNTs.

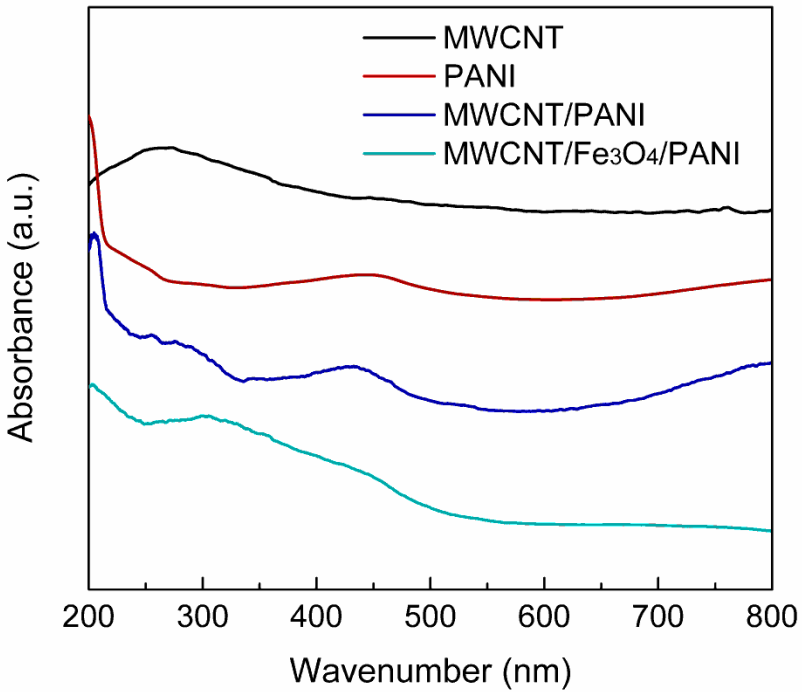

Figure S2. UV-Vis spectra of MWCNT, PANI, MWCNT/PANI, and MWCNT/Fe_3O_4/PANI.

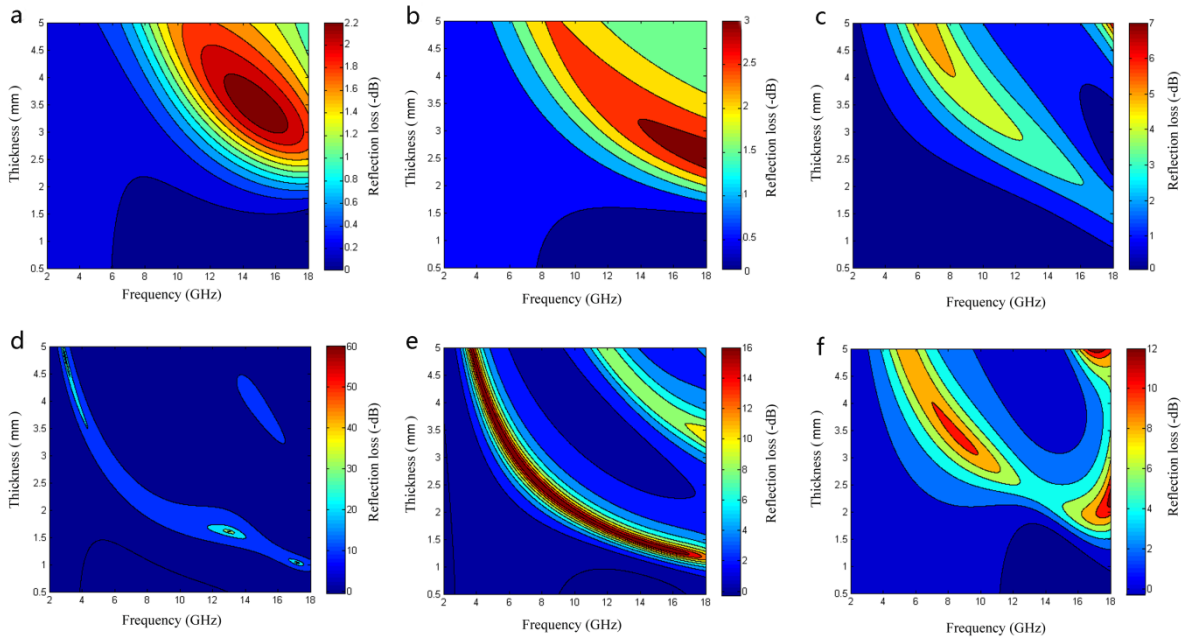

Figure S3. EM wave absorption characteristics of MWCNT/Fe_3O_4/PANI/Au composites with loadings of (a) 10 wt%, (b) 20 wt %, (c) 30 wt %, (d) 40 wt %, (e) 50 wt %, (f) 60 wt %.