Porous Fe₃O₄/Carbon Core/shell Nanorods: Synthesis and Electromagnetic Properties

Yu-Jin Chen,^{*, †} Gang Xiao, [†] Tie-Shi Wang, [†] Qiu-Yun Ouyang, [†] Li-Hong Qi, [†] Yang Ma, [†] Peng Gao,^{*, ‡} Chun-Ling Zhu^{*,‡} Mao-Sheng Cao,[§] and Hai-Bo Jin[§]

College of Science, and College of Material Science and Chemical Engineering, Harbin Engineering University, Harbin 15001, China and School of Materials Science and Engineering, Beijing institute of Technology, Beijing 100081, China

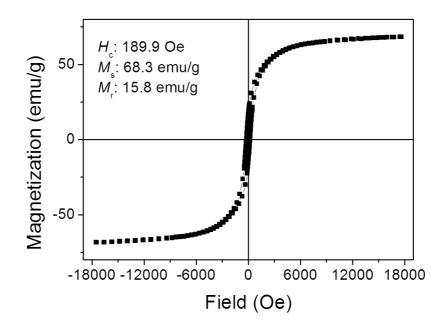


Figure S1 Magnetization hysteresis loops of Fe₃O₄ nanorods.

^{*} To whom correspondence should be addressed. E-mail: chenyujin@hrbeu.edu.cn, gaopeng@hrbeu.edu.cn, and zhuchunling@hrbeu.edu.cn

[†] College of Science, Harbin Engineering University

[‡] College of Material Science and Chemical Engineering, Harbin Engineering University

[§] Beijing institute of Technology

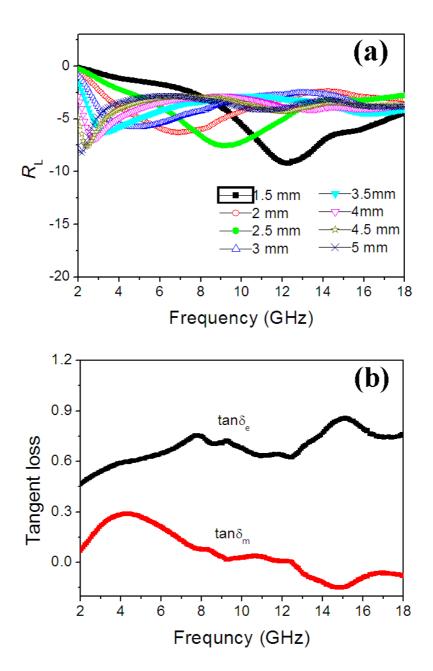


Figure S2 (a) The reflection loss and (b) Tangent loss of Fe_3O_4 nanorods.