Facile synthesis and enhanced microwave absorption property
of novel hierarchical heterostructures based on Ni microsphere/CuO nano-rice core-shell composite

Biao Zhao, Gang Shao, Bingbing Fan, Wanyu Zhao, Rui Zhang

a School of Materials Science and Engineering, Zhengzhou University, Zhengzhou, Henan 450001, PR China

b Laboratory of Aeronautical Composites, Zhengzhou Institute of Aeronautical Industry Management, Zhengzhou 450046, China

* Corresponding Author.

Dr. Gang Shao
E-mail address: gang_shao@zzu.edu.cn

Prof. Rui Zhang
Tel: +86-371-60632007
Fax: +86-371-60632600
E-mail address: zhangray@zzia.edu.cn

Fig.S1 Typical XPS spectrum of Cu 2p of the Ni/CuO sample
Fig.S2 (a) The complex permittivity and permeability, (b) simulated reflection loss with various thicknesses of mixture of Ni microspheres and CuO nanoflakes.