## **Supporting Information**

Two-Dimensional Copper(I) Thiophenolates: A Well-Constructed Conductive Cu-S Network for Excellent Electromagnetic Waves Absorption

Lipeng Wu,<sup>1,2</sup> Yingzhi Jiao,<sup>2</sup> Kun Zhang,<sup>2,3</sup> Fan Wu,\*,<sup>1</sup> Wei Zhao,<sup>2</sup> Mengxiao Sun,<sup>1</sup> Aming Xie,\*,<sup>1</sup> Wei Dong<sup>2</sup>

- <sup>1</sup> School of Mechanical Engineering, Nanjing University of Science & Technology, Nanjing 210094, China
- <sup>2</sup> School of Chemical Engineering, Nanjing University of Science & Technology, Nanjing 210094, China
- <sup>3</sup> Department of Chemistry, Northwestern University, Evanston, Illinois 60208, United States
- \* Corresponding Authors: wufan@njust.edu.cn (F. Wu) and xieaming@njust.edu.cn (A. Xie)



Figure S1 The selected area electron diffraction of MCT.

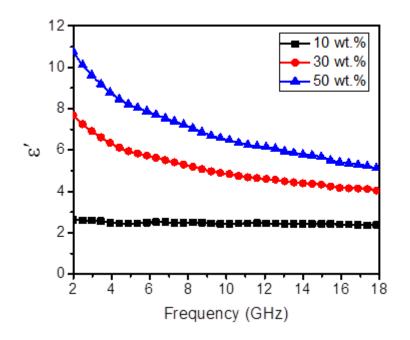
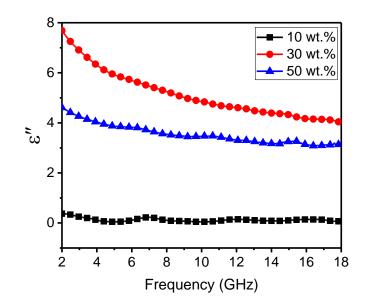


Figure S2  $\epsilon'$  curves and HCT.



**Figure S3**  $\epsilon''$  curves of HCT.

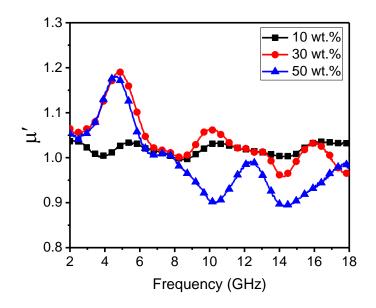


Figure S4  $\mu'$  curves of HCT.

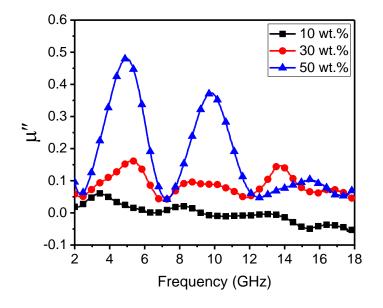


Figure S5  $\mu$ " curves of HCT.