Supporting Information

Facile Synthesis of GNPs@Ni_xS_y@MoS_2 Composites with Hierarchical Structures for Microwave Absorption

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Received: 18 September 2019; Accepted: 26 September 2019; Published: date

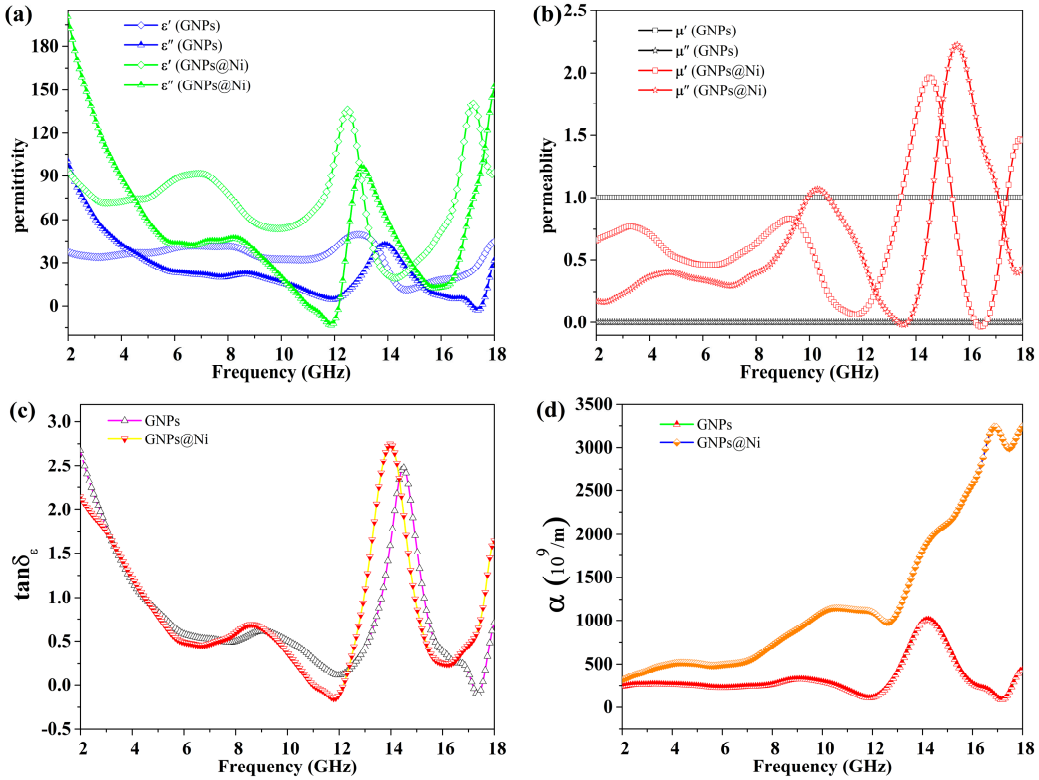

Figure S1. Electromagnetic parameters (a, b), tangent of dielectric loss (c) and α (d) of of GNPs and GNPs@Ni composite.

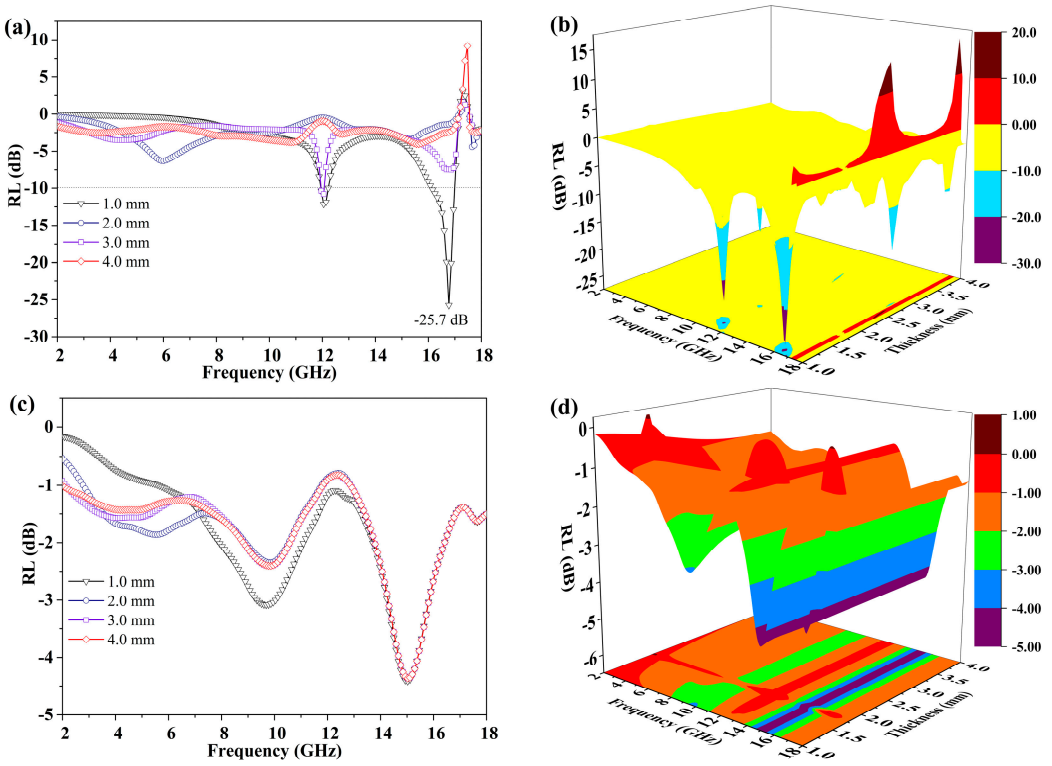

Figure S2. RL and corresponding 3D plots of GNPs (a, b) and GNPs@Ni composite (c, d).

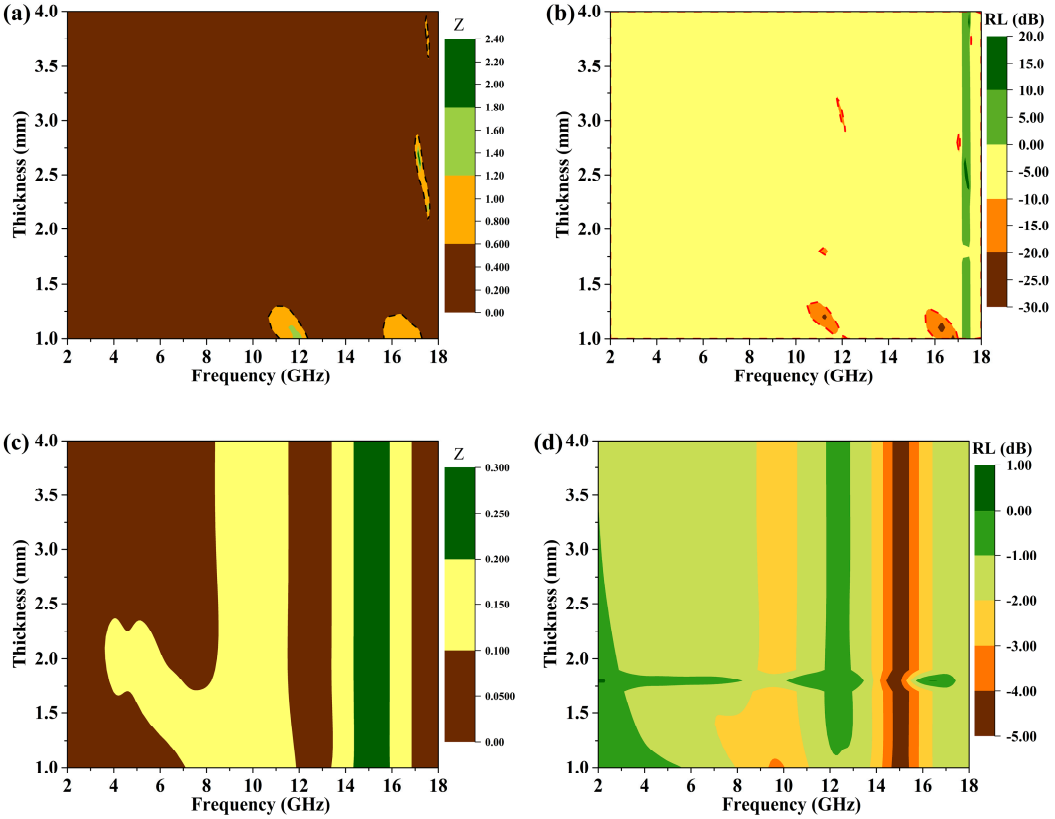

Figure S3. Z and RL contour maps of GNPs (a, b) and GNPs@Ni composite (c, d).

Table S1. The composition of as-prepared composites.

Samples	GNPs (%)	Ni (%)	Ni_xS_y (%)	MoS_2 (%)
GNPs@Ni	62	38	0	0
GNPs@Ni_xS_y	83.3	0	16.7	0
GNPs@Ni_xS_y@MoS_2-1	37.8	0	5.47	56.73
GNPs@Ni_xS_y@MoS_2-2	37.1	0	5.38	57.52
GNPs@Ni_xS_y@MoS_2-3	37.2	0	5.39	57.41

Table S1. Conductivity of as-prepared GNPs, GNPs@Ni and GNPs@Ni_xS_y@MoS_2 nanocomposites.

Samples	GNPs	GNPs@Ni	GNPs@Ni_xS_y@MoS_2-1	GNPs@Ni_xS_y@MoS_2-2	GNPs@Ni_xS_y@MoS_2-3
Conductivity (S/cm)	301.2	1612.2	3.3344	1.7177	0.5258