Supporting Information

Cobalt Nanoparticles Encapsulated in Nitrogen and Oxygen Dual-Doped Carbon Matrix as High-Performance Microwave Absorbers

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Figure S1. The EDS spectroscopy mapping image of N elemental distribution of S900.

Figure S2. (a, c, and e) RL curves versus frequency of different absorber layer thickness, and (b, d, and f) dependence of matching thickness \( (t_m) \) on matching frequency \( (f_m) \) at the wavelength of \( 1\lambda/4 \) and \( 3\lambda/4 \) of S700, S800, and S900/paraffin mixtures, respectively.
**Figure S3.** The eddy current loss of S700, S800, and S900/paraffin mixtures.

**Figure S4.** The Cole-Cole plots of (a) S700, (b) S800, and (c) S900/paraffin mixtures.