

Supplementary Information

Figure S1. Two-port coaxial fixture used in measuring the complex scattering parameters (S_{11} , S_{21}).

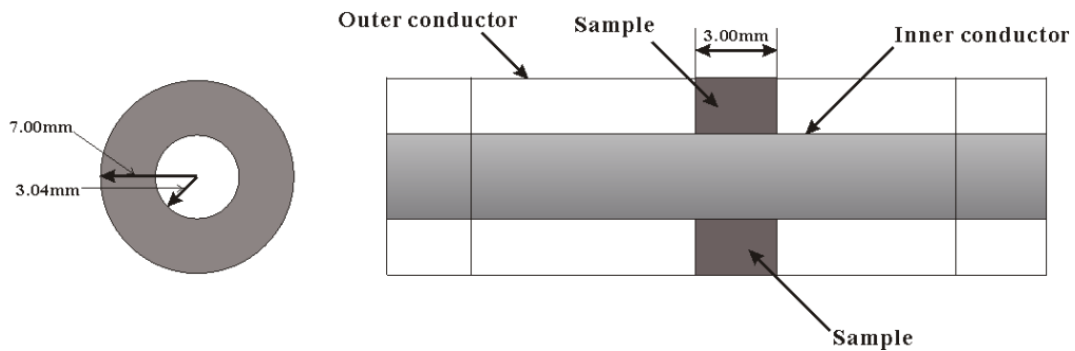


Figure S2. (a,b) Cole-Cole semicircles and (c,d) values of $\mu''(\mu')^{-2} f^{-1}$ as a function of frequency for α -Fe₂O₃ microdendrites and OMC@ α -Fe₂O₃ core-shell nanorods, respectively.

