

Supporting Information

Hollow C@MoS₂ Nanospheres for Microwave Absorption

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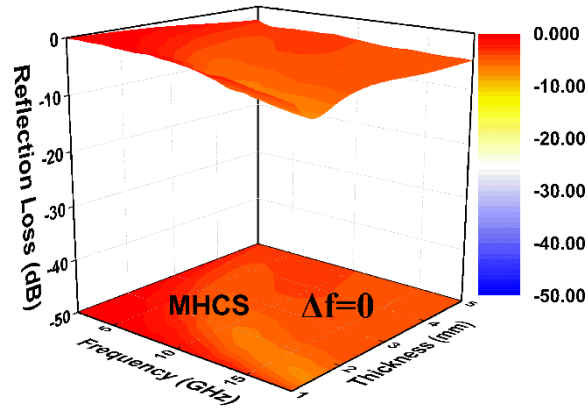


Fig. S1. EMA performance of pure MHCS.

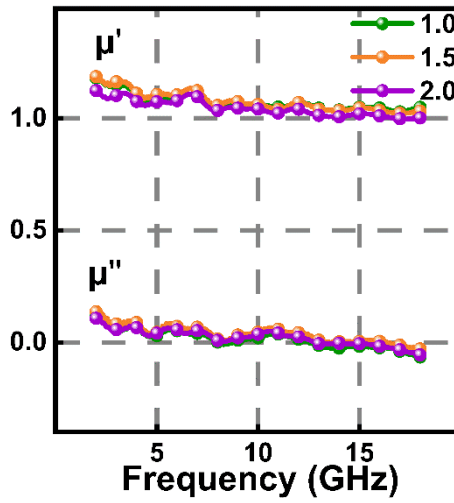


Fig. S2. Real and imaginary part of permeability of MHCS-MoS₂-1.0,1.5 and 2.0.

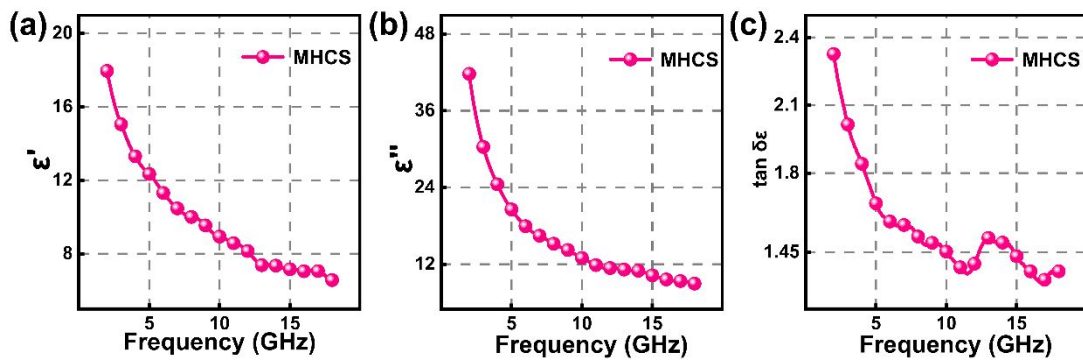


Fig. S3. (a) Real part permittivity of pure MHCS; (b) Imaginary part of pure MHCS; (c) Dielectric tangent loss of pure MHCS.

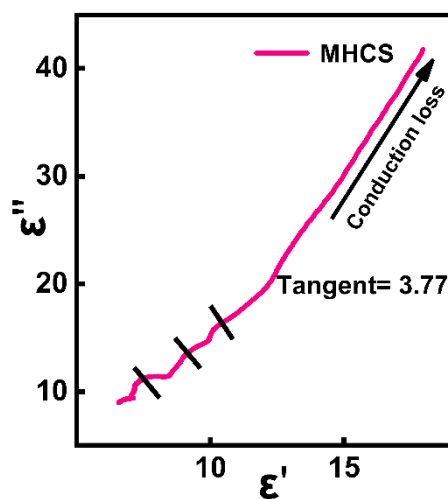


Fig. S4. Cole-Cole polarization curve of pure MHCS.

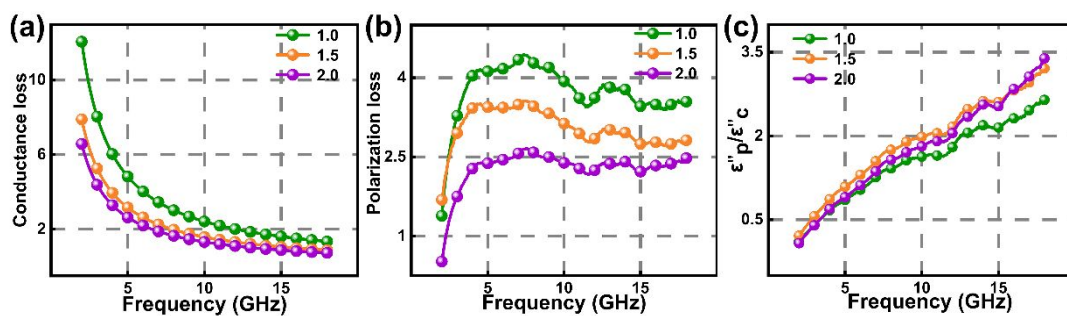


Fig. S5. (a) Conductive loss of MHCS-MoS₂-1.0,1.5 and 2.0; (b) Polarization loss of MHCS-MoS₂-1.0,1.5 and 2.0; (c) Ratio of polarization loss to dielectric loss of MHCS-MoS₂-1.0,1.5 and 2.0.

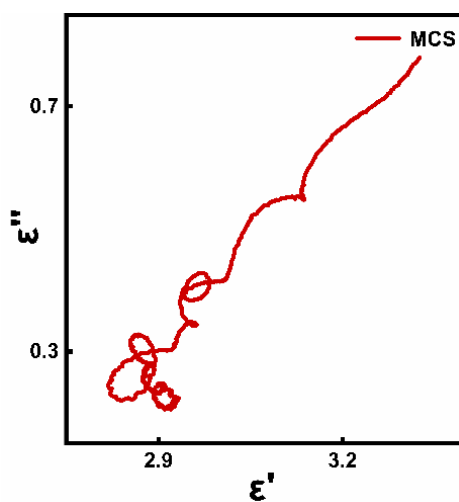


Fig. S6. Cole-Cole polarization curve of MCS.

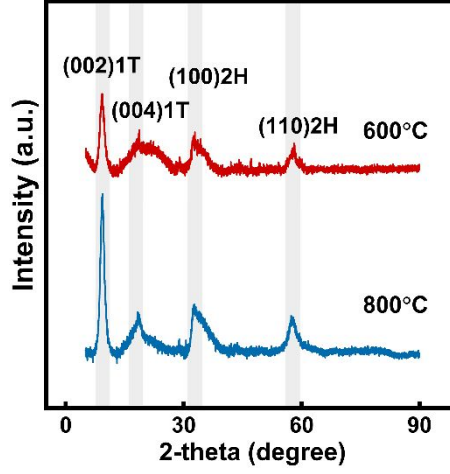


Fig. S7. XRD patterns of MHCS@MoS₂ composites treated at 600°C and 800°C.

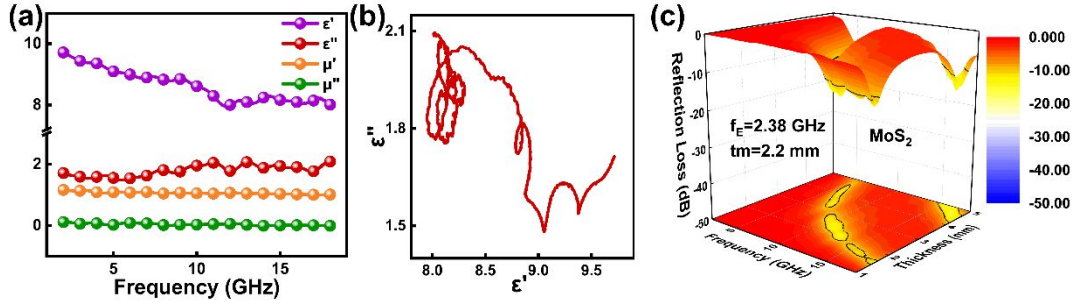


Fig. S8. (a) Permittivity and permeability of pure MoS₂; (b) Cole-Cole polarization curve of MoS₂; (c) EMA performance of pure MoS₂.