Electronic Supplementary Information

Interfacial Polarizations Induced by Incorporating Traditional Perovskite into Reduced Graphene Oxide (RGO) For Strong Microwave Response

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Fig. S1. Values of $\tan \varepsilon_r$ and attenuation constant $\alpha$ depending on the frequency.

Fig. S2. XRD patterns of pure RGO.
Fig. S3. Frequency dependence of the electromagnetic parameters of the S3/paraffin composites with 60 wt% filler loadings (a); The impedance matching ratio of S3 (b); Absorbing ability measured by RL values of S3 (c).

Fig. S4. The XPS images of S1.

Fig. S5. Cole-Cole semicircles of (a) S1, (b) S2, (c) S3 and (d) MS.
Fig. S6. (a) loss tangent and attenuation constant $\alpha$ of S1, S2 and S3.