

Electronic Supplementary Information:

**Barium ferrite decorated reduced graphene oxide nanocomposite for
effective electromagnetic interference shielding**

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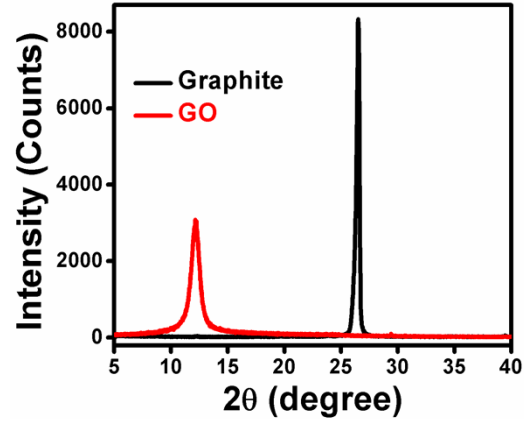


Fig. S1 XRD pattern of graphite and GO

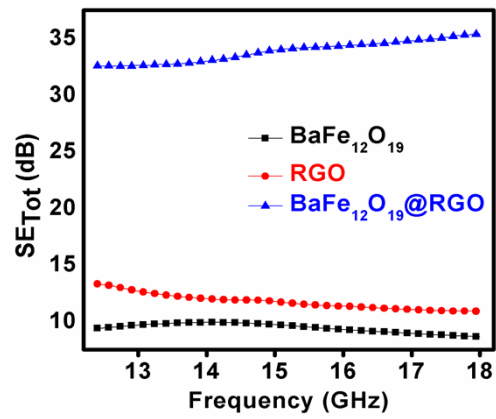


Fig S2 Variation in EMI shielding effectiveness SE_T of $BaFe_{12}O_{19}$, RGO and $BaFe_{12}O_{19}@RGO$ nanocomposite at a critical thickness of 3mm