Improved microwave absorption and electromagnetic interference

shielding properties based on graphene-barium titanate and

polyvinylidene fluoride with various contents

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Fig. S1 Reflection loss of rGO@BT/wax composites with thickness range of 1-5 mm with the filler content of 5(a) and 15 wt.%(b) over the frequency of 2-18 GHz.



Fig. S2 Dielectric loss of the rGO@BT/PVDF composites with various contents in 2-18 GHz.



Fig. S3 ϵ " as a function of ϵ ' with the filler content of (a) 5, (b) 10, (c) 15, (d) 20, (e) 25, and (f) 30 wt.%.



Fig.S4 Frequency dependence of transmission coefficient (⁻), reflection coefficient (⁻) and absorption coefficient (⁻) of the samples with various contents.