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Correction: Flexible composite film of aligned polyaniline grown on the surface of magnetic barium titanate/polyvinylidene fluoride for exceptional microwave absorption performance

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Correction for 'Flexible composite film of aligned polyaniline grown on the surface of magnetic barium titanate/polyvinylidene fluoride for exceptional microwave absorption performance' by Lujun Yu *et al.*, *RSC Adv.*, 2017, 7, 36473–36481.

On page 36478 for eqn (5) the final minus sign should be replaced by a plus sign as shown below:

$$\alpha = \frac{\sqrt{2}\pi f}{c} \times \sqrt{(\mu''\varepsilon'' - \mu'\varepsilon') + \sqrt{(\mu''\varepsilon'' - \mu'\varepsilon')^2 + (\mu'\varepsilon'' + \mu''\varepsilon')^2}} \quad (5)$$

According to this error, Fig. 7a and the associated description were wrong. The correct Fig. 7a is as shown below.

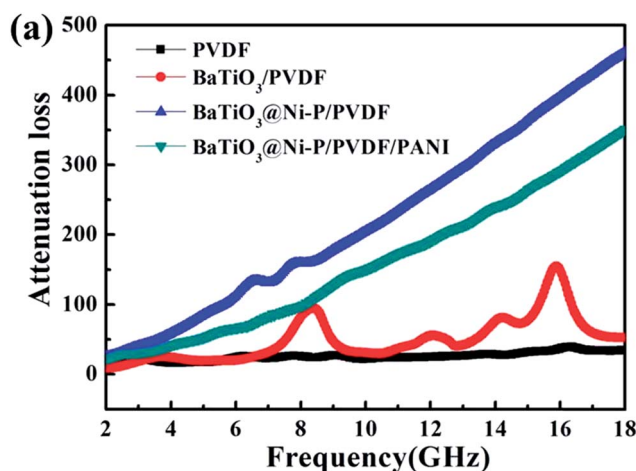


Fig. 7 (a) Attenuation constant α of the samples.

In addition, the corresponding description in the text (pp. 36478–36479) should be corrected from “the attenuation constant α value of BaTiO₃@Ni–P/PVDF has increased distinctly within the frequency ranges of 2–11.3, 12.7–15.3, and 16.6–18 GHz compared with that of BaTiO₃/PVDF. In addition, the BaTiO₃@Ni–P/PVDF/PANI sample clearly exhibits a higher attention constant α than that of BaTiO₃@Ni–P/PVDF within the frequency range of 8.8–18 GHz” to “the attention constant α is in the order: BaTiO₃@Ni–P/PVDF > BaTiO₃@Ni–P/PVDF/PANI > BaTiO₃/PVDF > PVDF”.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

