

Figure S1 The SEM images sintered at 1200 ~ 1300°C for 3h of the BFZTO samples with x=0, 0.2 0.4

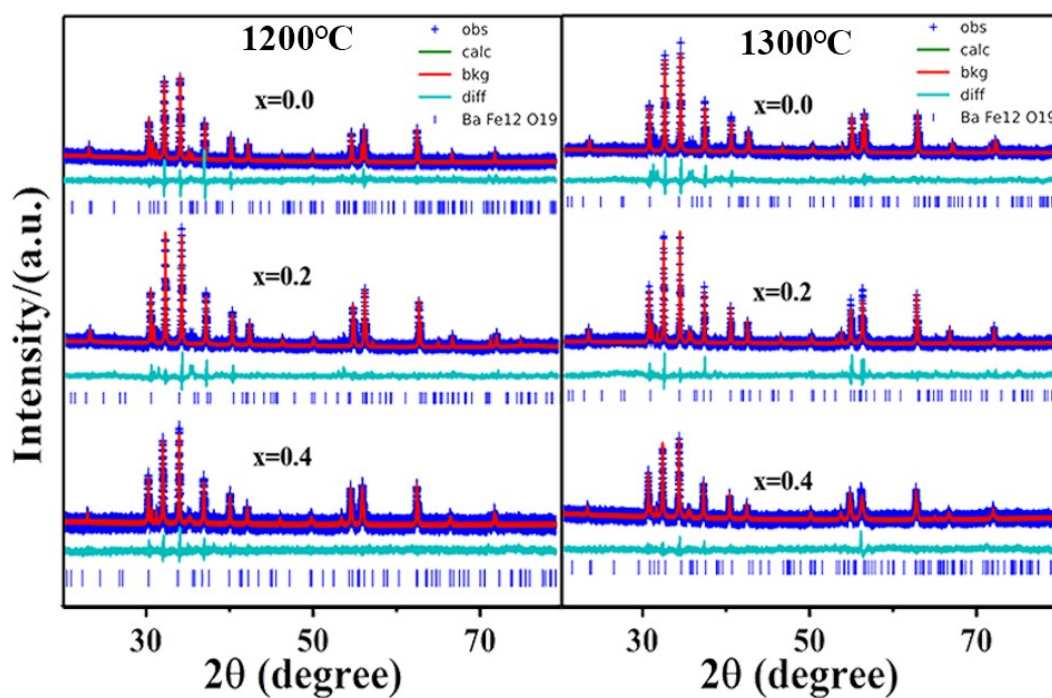


Figure S2 The Rietveld refinement of XRD patterns sintered at 1200~1300°C for 3 h of the BFZTO samples with x=0, 0.2, 0.4

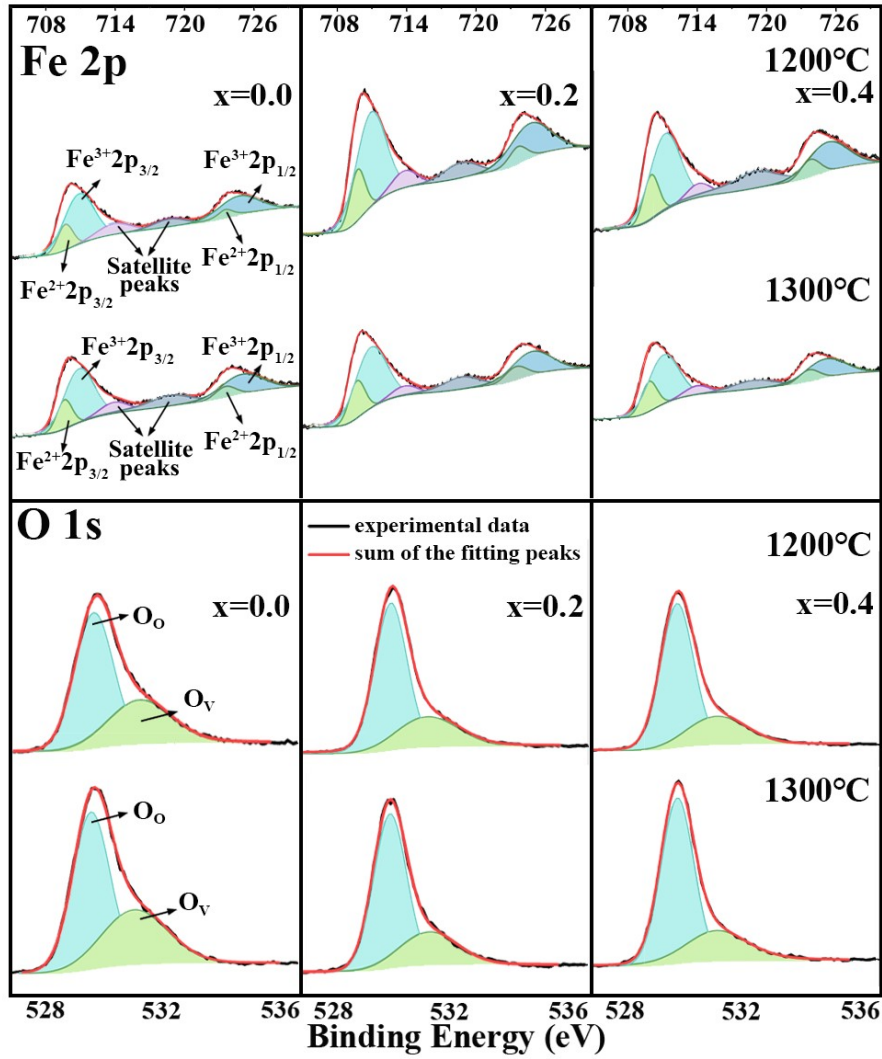


Figure S3 The XPS spectra of Fe 2p and O 1s of the BZTFO samples with $x=0, 0.2, 0.4$ sintered at 1200~1300°C for 3 h

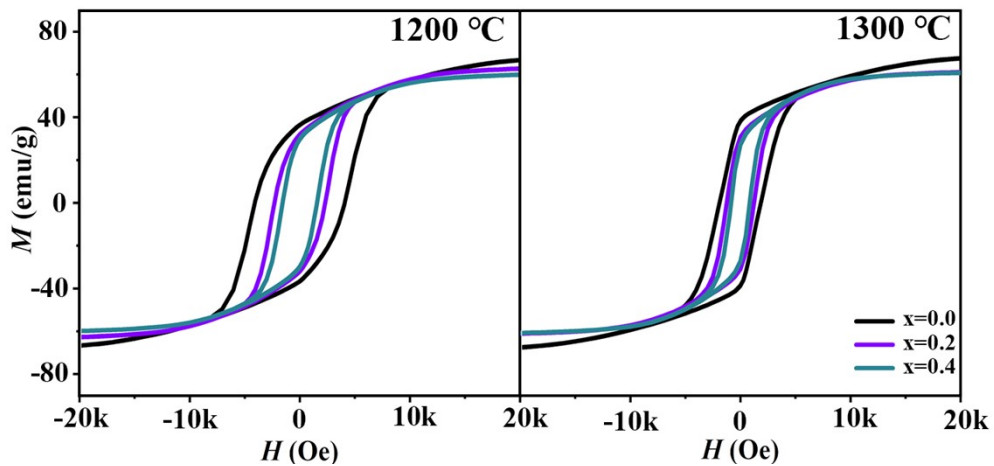


Figure S4 The hysteresis loops of the BZTFO samples with $x=0, 0.2, 0.4$ sintered at 1200~1300°C for 3 h

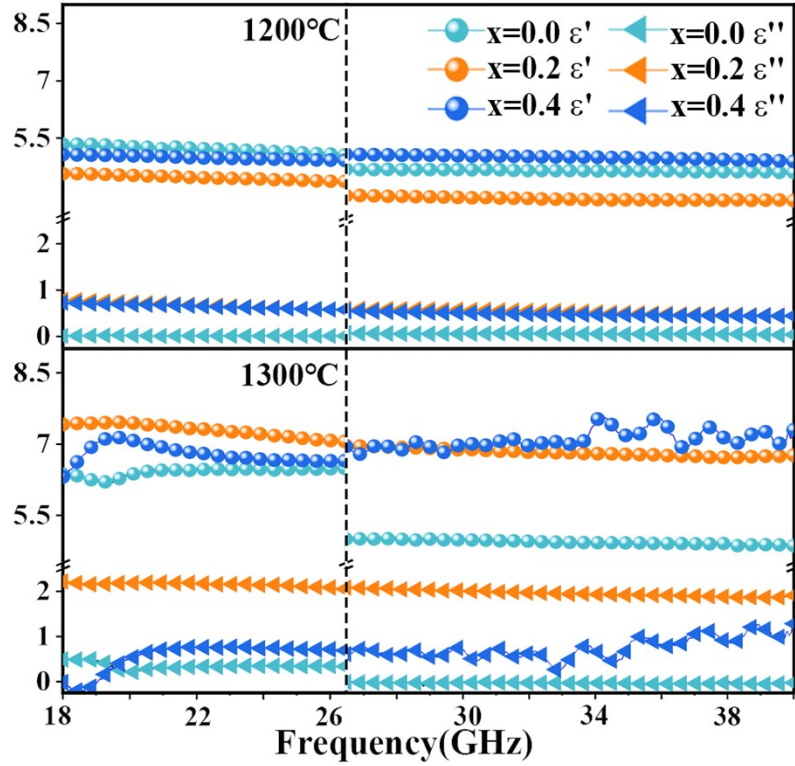


Figure S5 Frequency-dependent curves of permittivity in 18~40 GHz of the BFZTO samples sintered at 1200~1300°C for 3 h

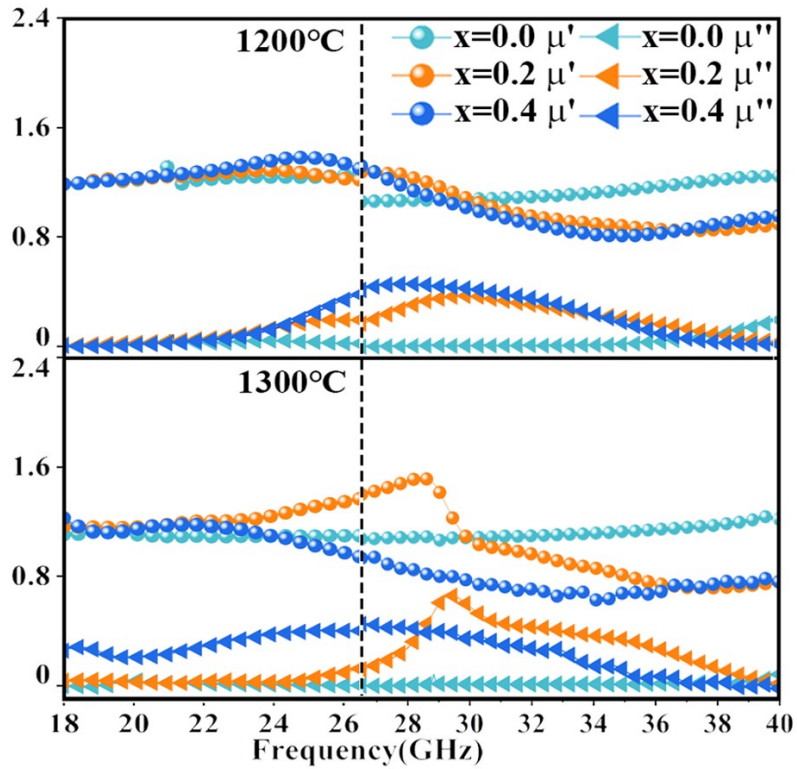


Figure S6 Frequency-dependent curves of permeability in 18~40 GHz of the BFZTO samples sintered at 1200~1300°C for 3 h

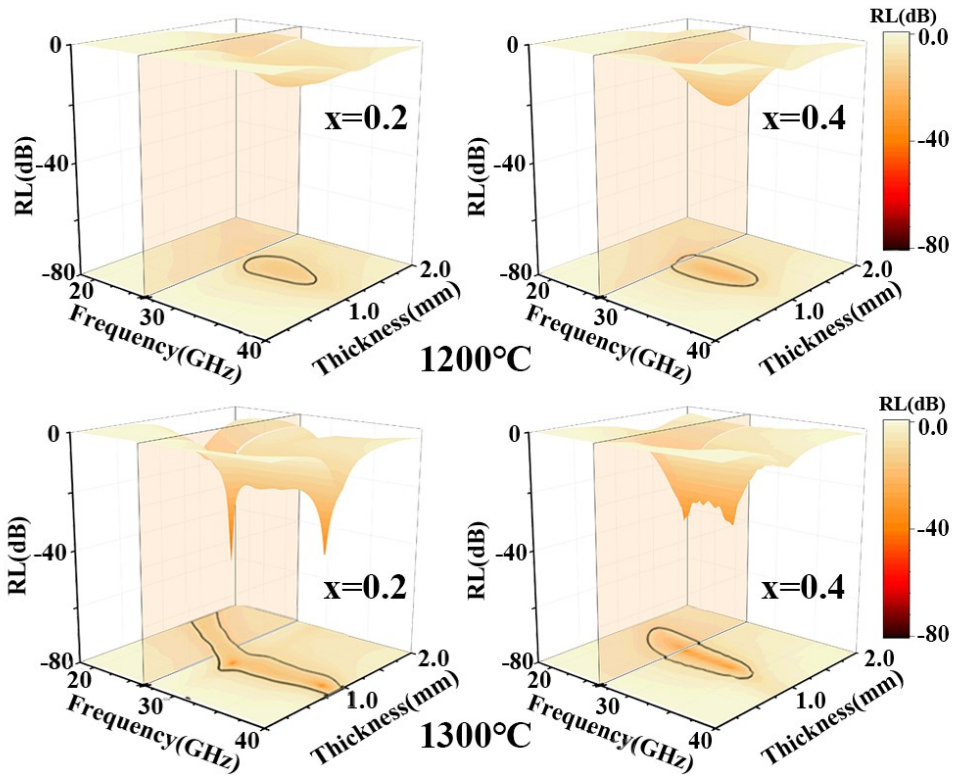


Figure S7 The reflection loss versus frequency and thickness of the BZTO with $x=0.2$ and 0.4 sintered at 1200~1300°C for 3 h