Structural and ferroelectric properties of perovskite $Pb_{(1-x)}(K_{0.5}Sm_{0.5})_xTiO_3$ ceramics

Arun Kumar Yadav¹, Anita¹, Sunil Kumar¹, Anjali panchwanee³, V. Raghavendra Reddy³, Parasharam M. Shirage¹,², Sajal Biring⁴, Somaditya Sen¹,²

¹Discipline of Metallurgy Engineering and Materials Science, Indian Institute of Technology, Khandwa Road, Indore-453552, India  
²Discipline of Physics, Indian Institute of Technology, Khandwa Road, Indore-453552, India  
³UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore-452001, India  
⁴Electronic Engg., Ming Chi University of Technology, New Taipei City, Taiwan

**Figure S1**: (a) Variation of room temperature $tan\delta$ as a function of frequency for different compositions. (b)-(h) show the variation of $tan\delta$ at various frequencies (1 kHz - 1 MHz) with temperature for different compositions $x=0.06 - 0.50$. 

Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2017