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

Arun Kumar Yadav$^1$, Anita$^1$, Sunil Kumar$^1$, Anjali panchwanee$^3$, V. Raghavendra Reddy$^3$, Parasharam M. Shirage$^{1,2}$, Sajal Biring$^4$, Somaditya Sen$^{1,2}$

$^1$Discipline of Metallurgy Engineering and Materials Science, Indian Institute of Technology, Khandwa Road, Indore-453552, India
$^2$Discipline of Physics, Indian Institute of Technology, Khandwa Road, Indore-453552, India
$^3$UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore-452001, India
$^4$Electronic 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 $x=0.06 - 0.50$. 