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Unveiling the Electrical Performance of Flash-Sintered Potassium Sodium Niobate

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Supplementary information



Figure S1. Polarization, P, (top) and current density, J, (bottom) as a function of AC electric field, E, for Flash sintered KNN ceramics, measured at room temperature. Flash ceramics annealed at 900 °C for 1 h with sputtered Pt electrodes (900Pt, pentagons) exhibit similar polarization compared with that for Flash (circles) ceramics with painted Pt electrodes annealed at 900 °C for 1 h (Pt900, circles) at 1 kHz. Decrease in the measurement frequency to 60 Hz results in significantly rounded loop, indicating higher conductivity contribution.