Electronic Supplementary Information (ESI)

Figure S1. TG/DTA analysis for polycrystalline $K_3V_5O_{14}$.

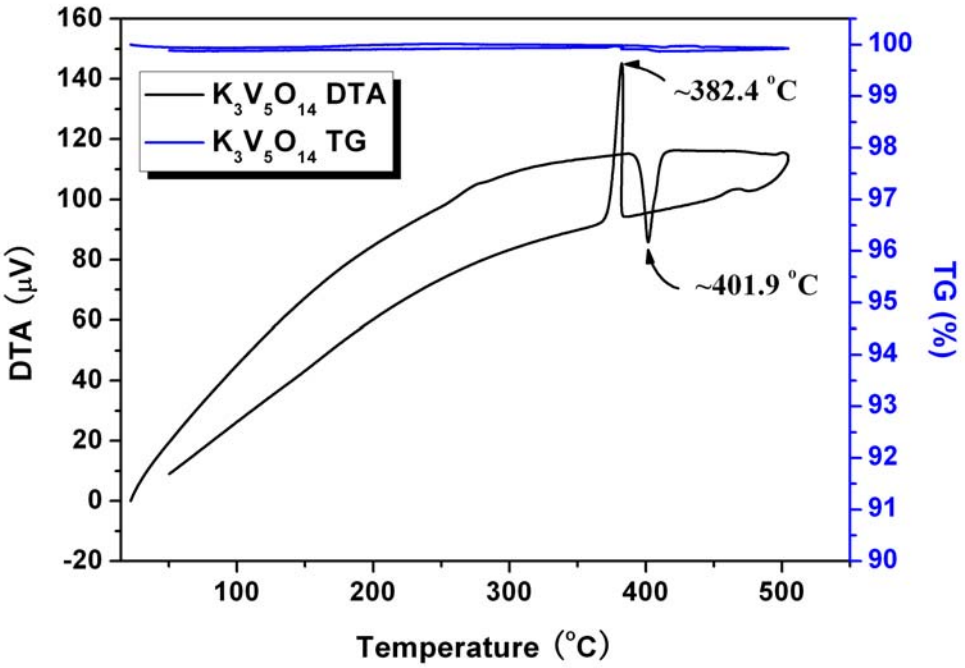

Figure S2. XRD data of residue after TG/DTA measurement.

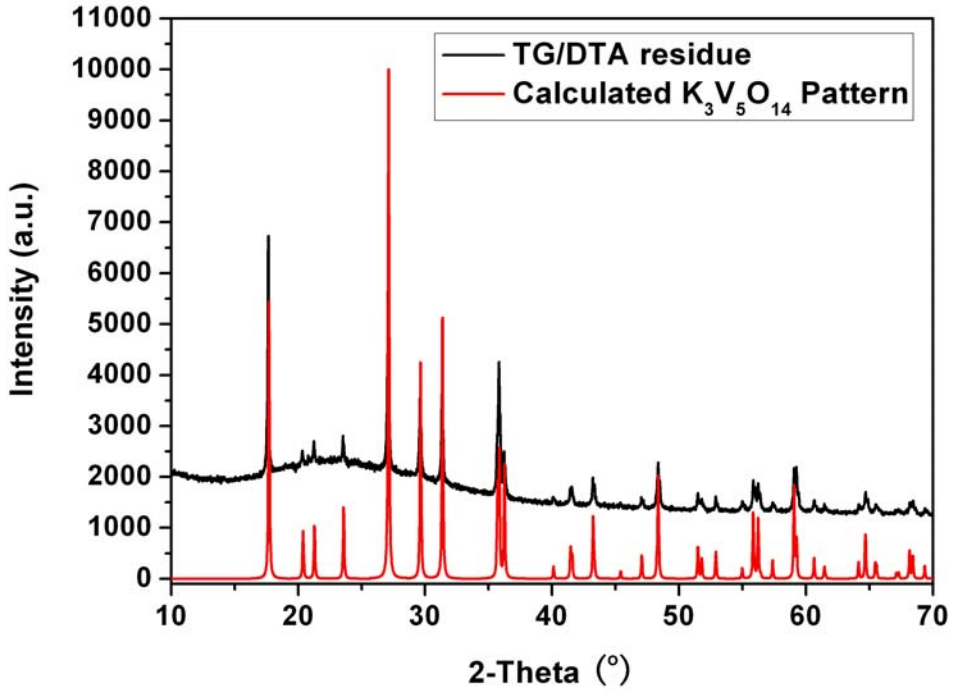

Figure S3. X-ray diffraction for {10-10} planes.

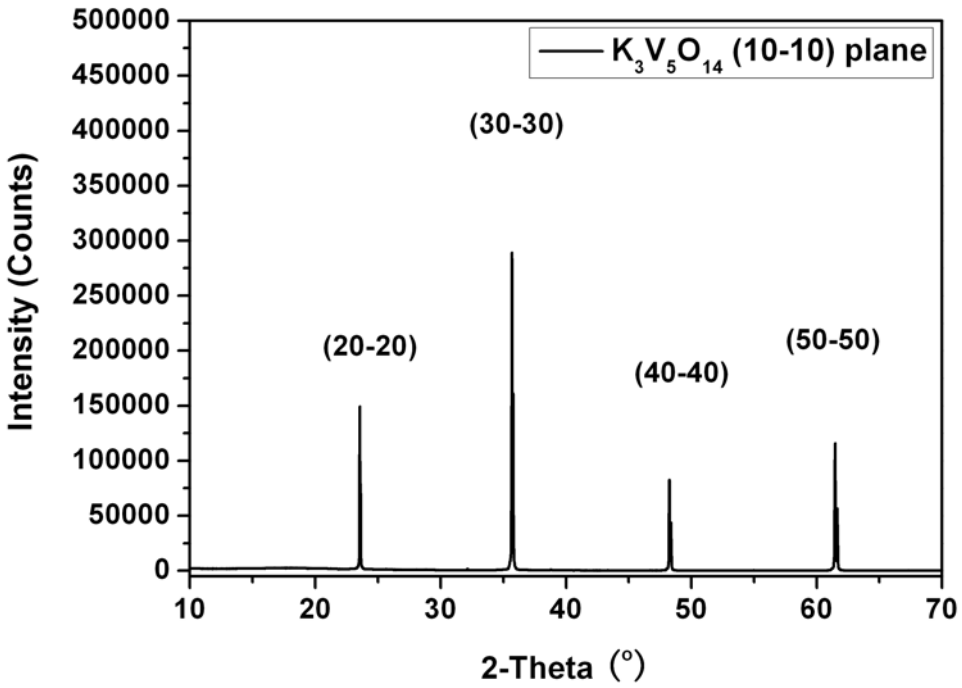

Figure S4. X-ray diffraction for {0001} planes.

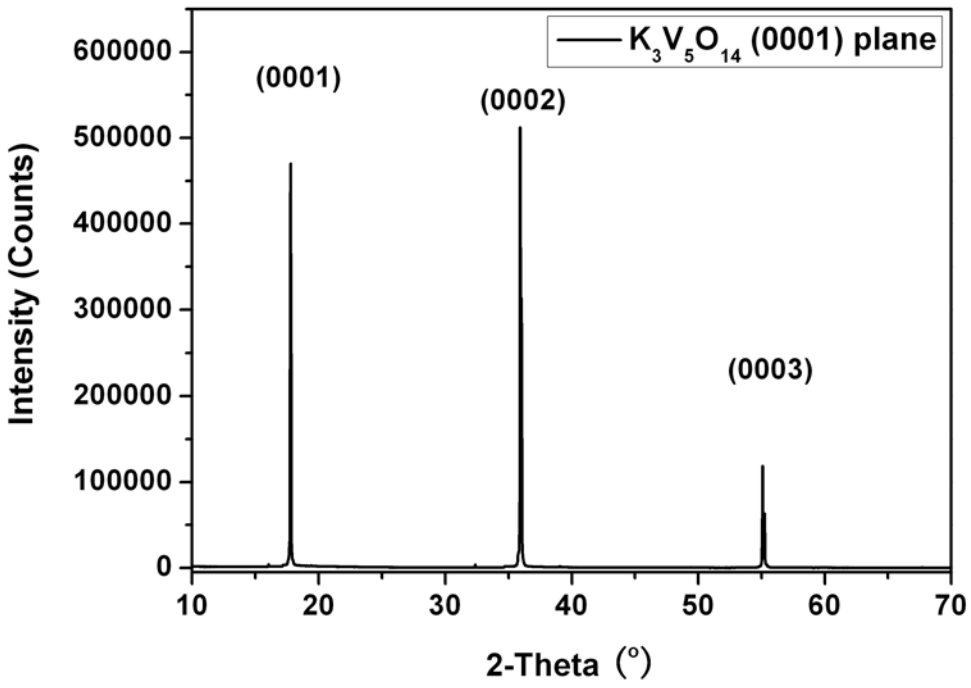

Figure S5. UV-vis diffuse reflectance spectra for ground $K_3V_5O_{14}$ crystal.

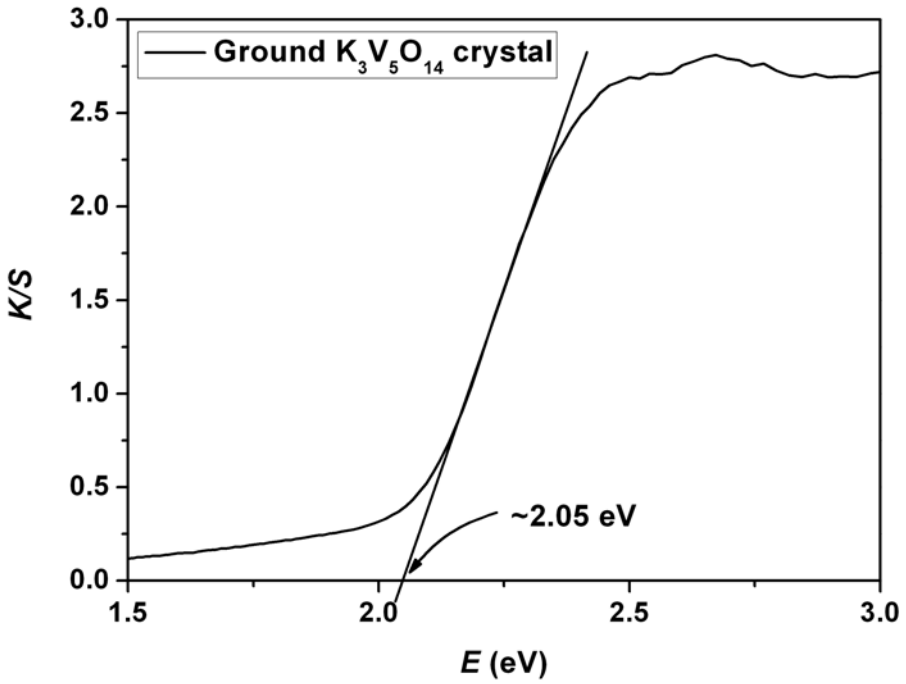

Figure S6. Displacement versus electric field (300 V) plot for *Z*-cut of $K_3V_5O_{14}$ single crystal.

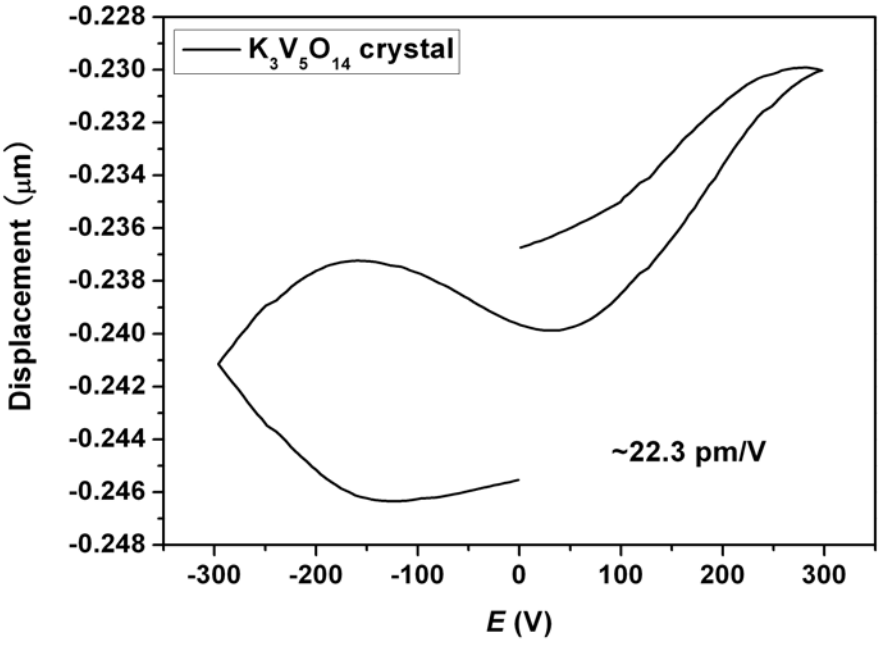

Figure S7. Displacement versus electric field (500 V) plot for *Z*-cut of $K_3V_5O_{14}$ single crystal.

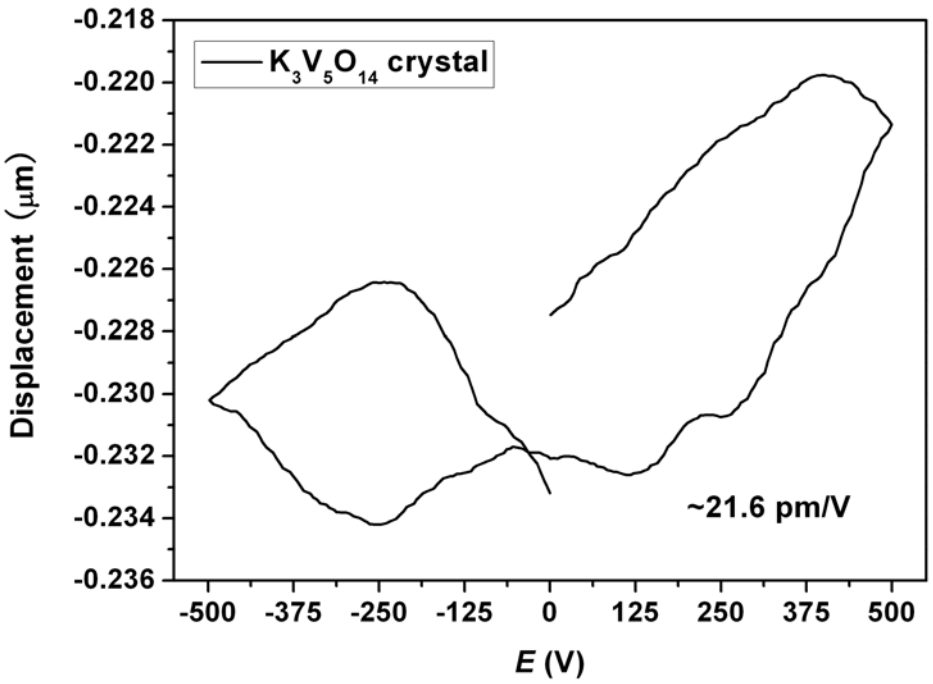

Figure S8. Displacement versus electric field (800 V) plot for *Z*-cut of $K_3V_5O_{14}$ single crystal.

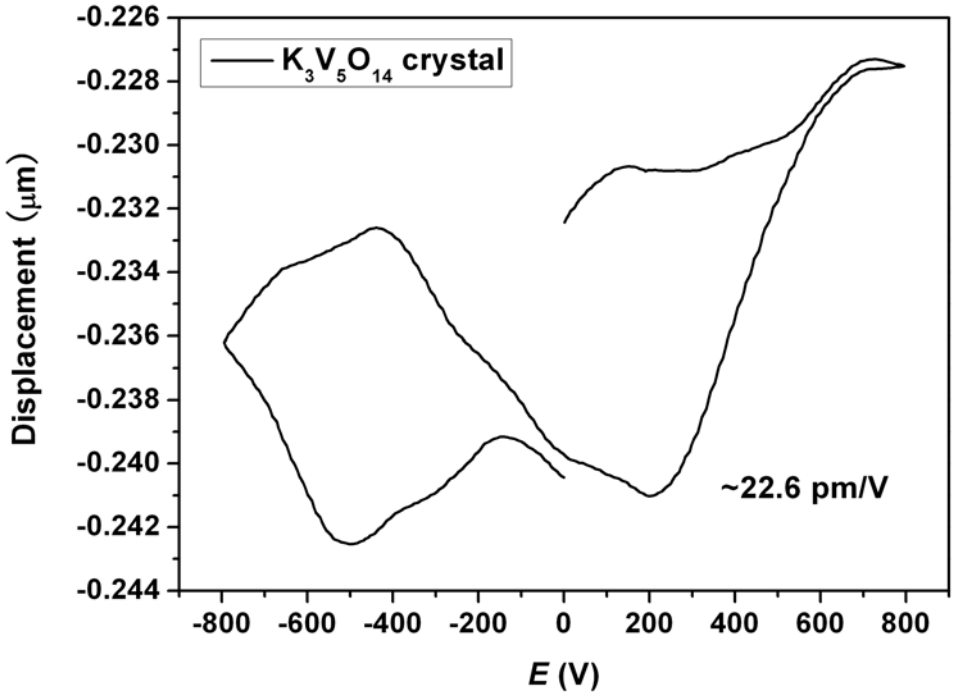

Figure S9. Polarization vs. temperature data (black color), and the temperature dependence of the pyroelectric coefficient (blue color) for *Z*-cut of $K_3V_5O_{14}$ single crystal.

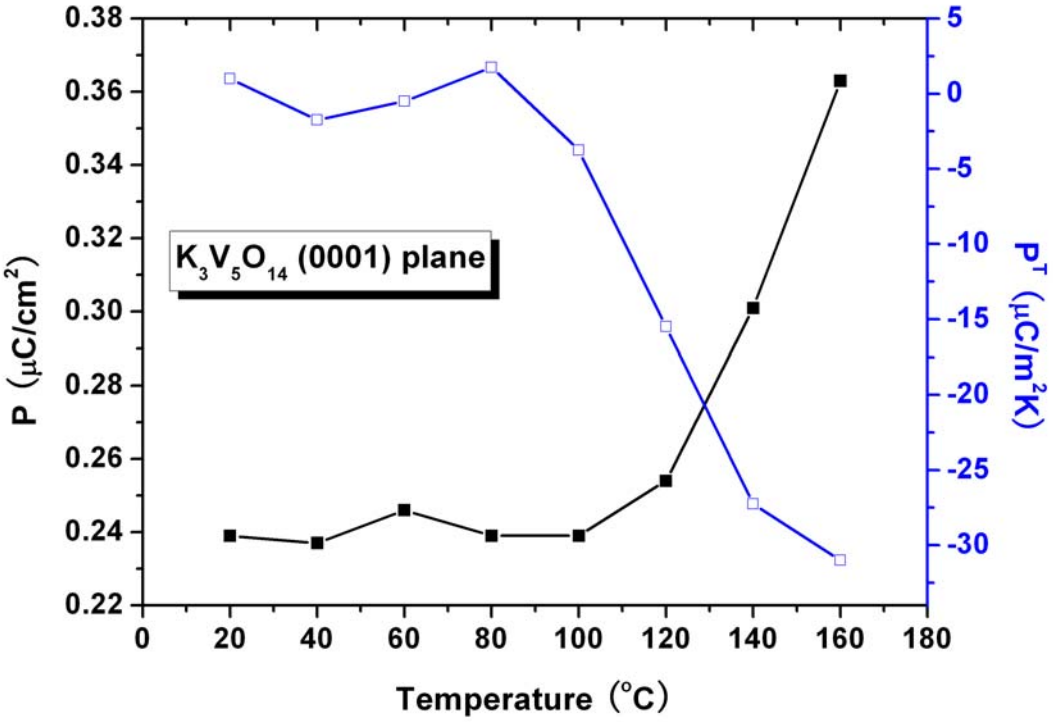

Figure S10. Polarization vs electric field plots at 16 kV/cm at different frequencies for a *Z*-cut $K_3V_5O_{14}$ single crystal.