Supplementary Materials

Acoustic Anomalies and the Critical Slowing-Down Behavior of $MAPbCl_3$ Single Crystals Studied by Brillouin Light Scattering

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Figure S1. comparison of (a) the Brillouin frequency shift and (b) the FWHM with the real part of the dielectric permittivity reported in Ref. 31.

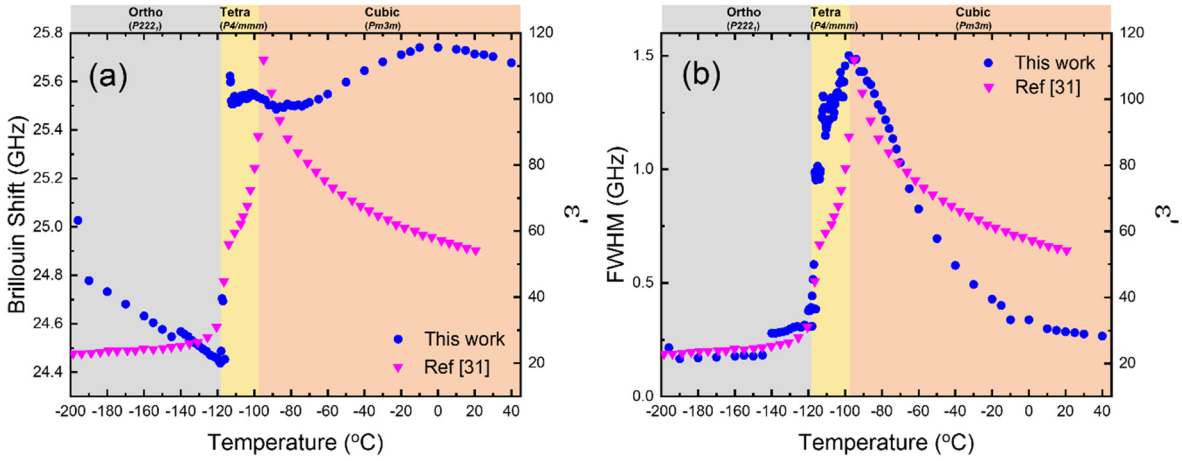
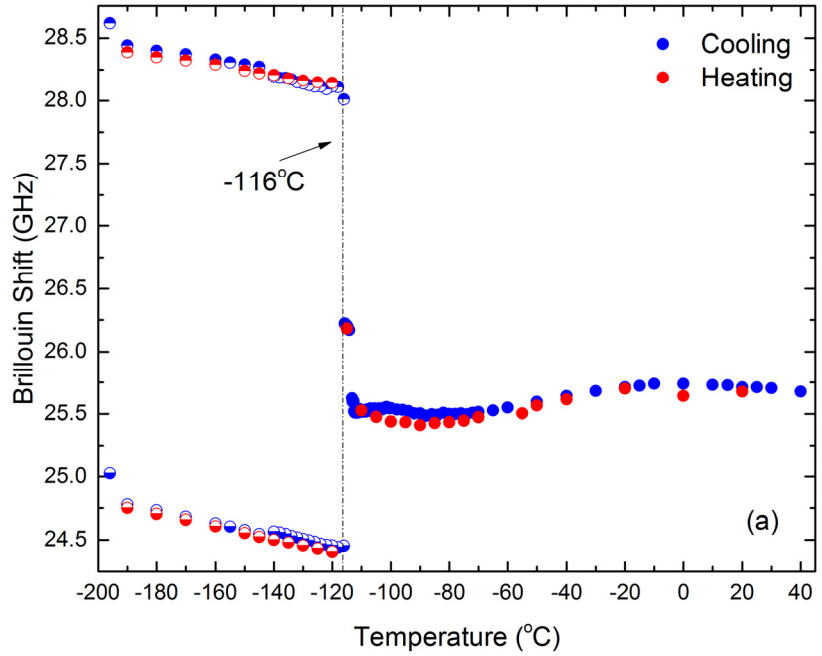


Figure S2. Temperature dependences of (a) the mode frequency and (b) the FWHM of the TA mode propagating along the [100] direction measured upon cooling and heating.



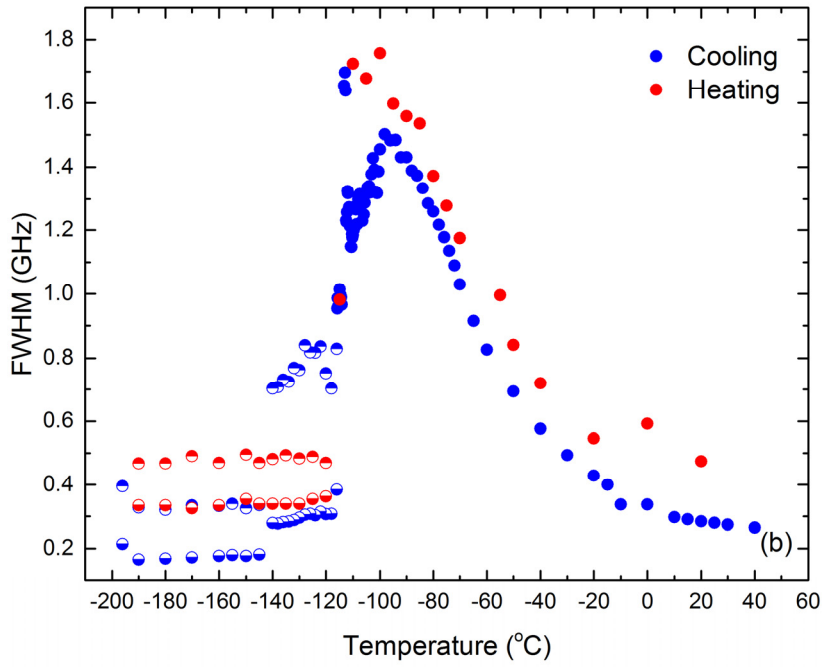


Figure S3. Temperature dependences of (a) the mode frequency and (b) the FWHM of the TA mode propagating along the [100] direction measured upon cooling and heating.