The Temperature Dependence of ^{121,123}Sb, ^{35}Cl, ^{79,81}Br and ^{127}I NQR Spectra in Complexes $Cs_3Sb_2X_9$ (X = Cl, Br, I)

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The ^{121,123}Sb, ^{35}Cl, ^{79,81}Br and ^{127}I NQR Spectra of the complexes $Cs_3Sb_2X_9$ (X = Cl, Br, I), prepared from CsX and SbX_3 aqueous solutions, were studied at 77–400 K. Analysis of the temperature coefficients of the quadrupole transition frequency (ν), quadrupole coupling constant (e^2Qq_{zz}) and asymmetry parameter of the electric field gradient (η) was carried out.

Key words: Antimony (III); Haloid Complex Compounds; ^{121,123}Sb; ^{35}Cl; ^{79,81}Br; ^{127}I; NQR Spectra.