No. 35A-16 $RbSbOGeO_4$, Rubidium antimonyl germanate
(M = 359.83)

1a Ferroelectricity was suggested by Mill' et al. in 1991. 91Mil
Dielectric anomaly was confirmed by Simon et al. in 1993. Hysteresis loop has not been observed. 93Sim

b

phase	II	I	
state	(F)	P	
crystal system	orthorhombic	orthorhombic	
space group	$Pna2_1 - C_{2v}^9$	$Pnan - D_{2h}^6$	93Sim
Θ [°C]	165(5) 450(5)		93Sim 91Mil

$\rho_X = 4.946 \cdot 10^3$ kg m^{-3}. 93Sim

2a Solid-phase synthesis at 1200 K. 91Mil
See also 91Bel

3a Unit cell parameters: a = 13.396(5) Å, b = 6.713(2) Å, c = 10.744(4) Å, V = 966.10 Å^3; see also 91Bel, 91Pag, 94Fav

b Z = 8.
Crystal structure: Table 35A-16-001.

5a Dielectric constant: Fig. 35A-16-001.

6a Transition enthalpy: $\Delta H = 1.3 \cdot 10^3$ J kg^{-1}. 93Sim
Microcalorimetric measurements: Fig. 35A-16-002.

9e Nonlinear optical properties: $I_{2\omega}/I_{2\omega}(SiO_2)$ = 1.05; 91Mil
see also Fig. 35A-19-001 in No. 35A-19.

11 Luminescence of ions with d^{10} configuration: see 92Ham