Erratum: Atom and quantum oscillator coupled by the vacuum field: Radiation pattern, emission spectrum, and decay dynamics [Phys. Rev. A **93, 013804 (2016)]**

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Equations (A6a) and (A6b) contain some typographical errors. They should be replaced by

$$M(\tau) = -4e^{-4\gamma_a\tau}T_0\frac{r^2}{1-r^2} + e^{-2\gamma_+\tau}\left[\frac{M_0}{2} + \frac{P_0}{2} + T_0\frac{2r}{1-r}\right] + e^{-2\gamma_-\tau}\left[\frac{M_0}{2} - \frac{P_0}{2} - T_0\frac{2r}{1+r}\right], \quad (\text{A6a})$$

$$P(\tau) = -4e^{-4\gamma_a\tau}T_0\frac{r}{1-r^2} + e^{-2\gamma_+\tau}\left[\frac{M_0}{2} + \frac{P_0}{2} + T_0\frac{2r}{1-r}\right] - e^{-2\gamma_-\tau}\left[\frac{M_0}{2} - \frac{P_0}{2} - T_0\frac{2r}{1+r}\right]. \quad (\text{A6b})$$

All subsequent equations are correct.