The kick from an impedance is given by (3.52) in Alex' book

$$\Delta y' = -\frac{N r_p y_0}{2\pi\gamma}\int_{-\infty}^{\infty} d\omega\,\mathrm{Im}(Z_1(\omega))\left|\tilde{\rho}(\omega)\right|^2$$

$$= -\frac{N r_p c}{2\sqrt{\pi}\gamma\sigma_z}\frac{4\pi}{Z_0 c}\,y_0\,\mathrm{Im}\,Z_{eff}$$

where the impedance in the second line is given in Ω/m. The impedance on axis in the asymmetric structure is of the order $y_0\,\mathrm{Im}\,Z_{eff} \approx 10\Omega$, from which for a single nominal LHC bunch with 30 cm rms length at 26 GeV/c we expect a kick of order 2 nrad.