

RF Exposure Calculations (per OET65)

SITE DATA AND CALCULATIONS

Call Sign	WRFG
Owner	Radio Free Georgia
Tower Owner	Richland Towers
Tower Address	1800 Briarcliff Road Ne Atlanta, GA
Latitude	33-48-26 N (NAD27)
Longitude	84-20-22 W (NAD27)

Antenna Model	
Center of Radiation (COR AGL), m	348 m
Max Vertical Plane Relative Field (E/Emax), from 10 to 90 deg	0.28
Type of Service	FM
Frequency	89.3 MHz
ERP	0.315 kW

Controlled population limit, per OET65	1000.00 uW/cm2
Uncontrolled population limit, per OET65	200.00 uW/cm2

Calculated worst-case ground-level RF exposure, S*	0.01 uW/cm2
% of controlled exposure limit	0.00%
% of uncontrolled exposure limit	0.00%

*from $S = 33.4 \times (E/E_{max})^2 \times ERP / R^2$ (per OET-65, eq 10),
where $R = \text{COR AGL} - 2 \text{ m}$