

**Exhibit 17 – Environmental Protection Act:**

**KOTX:**

At the RCAGL of 23 meters, less 2 meters, specified in this application, the RFE is calculated using the formula

$$S = \frac{33.4 (F^2) ERP}{R^2}$$

R = 21 meters  
ERP = 2 KW  
F = 0.305

S = 14.1  $\mu\text{W}/\text{cm}^2$  which is 7.1 % of the 200  $\mu\text{W}/\text{cm}^2$  maximum allowable for uncontrolled public access.

Antenna used will be a non-directional 2 bay .75 wavelength spacing OMB model MP-2 or similar.

Two other RF radiators K239BK and K278BT will be on this tower.

**RFE for K239BK:**

$$S = \frac{33.4 (F^2) ERP}{R^2}$$

R = 18 meters  
ERP = 0.1 KW  
F = 1

S = 10.3  $\mu\text{W}/\text{cm}^2$  which is 5.2 % of the 200  $\mu\text{W}/\text{cm}^2$  maximum allowable for uncontrolled public access.

**RFE for K278BT:**

$$S = \frac{33.4 (F^2) ERP}{R^2}$$

R = 16 meters  
ERP = 0.1 KW  
F = 1

S = 13.1  $\mu\text{W}/\text{cm}^2$  which is 6.5 % of the 200  $\mu\text{W}/\text{cm}^2$  maximum allowable for uncontrolled public access.

Total RFE for all three RF radiators:

S = 37.5  $\mu\text{W}/\text{cm}^2$  which is 18.8 % of the 200  $\mu\text{W}/\text{cm}^2$  maximum allowable for uncontrolled public access.

Applicant will reduce power or cease operations whenever there are personnel on the tower. Applicant will post required signage.



Google earth

feet  
meters

