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**EXHIBIT 22 - RF FIELD DENSITY ANALYSIS**

**APPLICATION FOR NEW NCE FM  
212A - COLEBROOK, NH**

The proposed operation on channel 212A in Colebrook, NH will be located on an existing tower.

The antenna will be a Shively 6812-2R two bay, full wave spaced with the center of radiation at 15 meters AGL and will operate with an ERP of 0.125 kW H & V.

The calculated (F.C.C. FMMODEL) RF field density at 2 meters AGL from the proposed operation is  $6.4 \mu\text{W}/\text{cm}^2$  at 8.6 meters from the base of the tower or 3.2% of the maximum uncontrolled exposure level of  $200 \mu\text{W}/\text{cm}^2$ . The tower is on the grounds of the Colebrook landfill, property owned by the town of Colebrook, and is gated to prevent unauthorized access.