RF & ENVIRONMENTAL COMPLIANCE EXHIBIT

May 2, 2022

The proposed W18EN-D facility will comply with the FCC Rules regarding RF exposure. The calculation of RF energy at 2-m above the rooftop was made under the procedures of OET Bulletin No. 65. The formula employed is as follows:

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

where, S = power density in uW/cm2, F = relative field factor at the angle to the calculation point, P = the total effective radiated power relative to a dipole in watts, and R = distance from the antenna radiation center to the calculation point in meters.

The proposed antenna will be mounted with radiation center at a height of 12.2 meters above ground on a registered tower, ASN 1023400. The power density at 2 meters above ground, around the base of the tower, based on a "worst-case" vertical relative field value of 0.2 for any depression angle greater than 30° below horizon, a total ERP of 3.0 kW (Hpol) and an antenna center of radiation height above the rooftop of 12.2 meters, is 38.5 microwatts per square centimeter (uW/cm2), or 11.6 % of the Commission's recommended limit applicable to uncontrolled exposure areas, 331.3 uW/sq. cm for channel 18.

Since the RF exposure is less than the FCC limits for uncontrolled environments, the proposal is believed to comply with the FCC limits for human exposure to RF radiation, and since the antenna will be mounted on an existing, registered tower, the proposal is believed to be in compliance with FCC environmental rules.

The applicant will verify that access to the tower site is restricted, and the site appropriately marked with RFR warning signs. In addition, if workers or other authorized personnel need to climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such procedures include scheduling work when the station is shut down.

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