

EXHIBIT 11

COMPLIANCE WITH RADIOFREQUENCY RADIATION GUIDELINES

The RF Compliance Study for the W232CA.sta, has been evaluated for human exposure to non-ionizing radiofrequency radiation at the transmitter site, which will house multiple transmitters. The potential for human exposure to non-ionizing radiofrequency radiation at the proposed transmitter site has been evaluated with regards to §1.1307(b)(3) concerning the five percent (5%) contribution rule for multiple transmitter sites.

The proposed STA facility will operate on 94.3 MHz. with a maximum effective radiated power (ERP) of 0.022 kW vertical and 0 kW horizontal polarization. The STA facility will operate with a single-bay antenna mounted 274 meters above ground level (AGL).

The site has been evaluated for compliance with the FCC guidelines concerning human exposure to radiofrequency radiation. The standards employed are detailed in OET Bulletin No. 65 (Edition 97-01). The "RF Haz™" software program version 2.45 from V-Soft Communications™ was utilized to determine the individual contribution of the Proposed Station. FM radiofrequency radiation levels were predicted using calculations, which were based on the number of bays of the antenna, wavelength spacing between the bays, the effective radiated power of the antenna and the height above ground level (AGL) of the radiation center of the proposed antenna, which was reduced by 2 meters (from 18 meters to 16 meters) for this evaluation to compensate for the height of the average person.

The result of the evaluations for the station is shown below.

To evaluate the total exposure to non-ionizing radio-frequency radiation with regards to the five percent contribution exclusion rule, it is necessary to express the individual contribution as a decimal fraction of the maximum permissible limit. If the resulting contribution is less than or equal to 5.0%, the exposure is concluded to be within guidelines of OET Bulletin No. 65 (Edition 97-01) and §1.1307(b)(3). Protection of the more restrictive uncontrolled limit implies protection of the controlled limit.

Contributing Station	Maximum Contribution	Uncontrolled Environmental Limit	Decimal Fraction of Limit
Proposed STA	0.00993 μWcm^2	200.00 μWcm^2	.0049
Total Contribution Percent		0.0%	

Since the maximum contribution for the uncontrolled environments is less than 0.05 (5%) as set forth by §1.1307(b)(3), the facility is in compliance with FCC guidelines which states that facilities contributing less than five percent of the exposure limit at locations with multiple transmitters are categorically excluded from responsibility for taking any corrective action in the areas where contribution is less than five percent. Since this application meets the five percent exclusion test at all ground level areas, the impact of the proposed facility may be considered independently from other facilities at or nearby this site. It is believed the impact of the proposed operation should not be considered to be a factor at ground level as defined under §1.1307(b)(3).

In addition to the protection afforded by the proposed antenna height above ground, the facility is properly marked with signs, and entry to the facility is restricted by means of fencing with locked doors and/or gates. Any other means that may be required to protect employees and the general public will be utilized.

In the event work is required in proximity to the antenna(s) such that the person or persons working in the area will be potentially exposed to fields in excess of the current guidelines, an agreement signed by all broadcast parties at the site will be in effect for the offending transmitter(s) to reduce power, or cease operation during the critical period.

Study

- ☒ FM
☐ TV
☐ DTV

Method

- ☒ OET #65
☐ OET Mod

Antenna Parameters

H kW 0

V kW .022

COR Meters Above Ground

272

Dist. in Meters to Tower Base

0

Field at -90 Deg.

1

Values are Worst Case

Max = 200 $\mu\text{W}/\text{sq cm}$

Pwr Density $\mu\text{W}/\text{sq cm}$ Controlled

0.00993

% of Max

0.0049

- ☐ Yes
☒ No

Title

0.0%

Distance in Meters

Print Tab

Print Screen

Disk Write

To Clipboard

Other RF