

Engineering Exhibit
WPYX (FM), Albany, NY (Facility ID# 73911)

The purpose of this application is to correct the antenna type to an ERI SHP-2AC, 2 bay 'rototiller' antenna, and to correct the antenna center of radiation height above ground level from 42M to 43.5M as permitted under 73.1690(c)(1).

The antenna is mounted upon a tower which is not required to be registered as verified by Towair, the result given in Figure 1.

Measurements to Demonstrate Compliance with OET 65 Exposure Limits

On September 28, 2010, measurements were made in all generally accessible areas within the transmitter site compound and surrounding areas in accordance with guidelines provided in OET Bulletin 65 Edition 97-01 with regard to General Population / Uncontrolled Exposure and Occupational / Controlled Exposure limits. A NARDA 8718B EM Survey meter utilizing an A8742D Shaped E Field Probe and a B8742D Shaped E Field Probe was used to make the measurements. Measurements were made using the "Max Hold" function of the NARDA 8718B meter while slowly walking a survey grid around the site sweeping the meter probe up and down in an oscillatory fashion covering as much volume of space as practical. In areas where the indicated RF exposure levels approached or exceeded 100%, spatially averaged measurements were made utilizing the spatial averaging functionality built into the NARDA 8718B.

In none of the generally accessible areas on and around the site did the RF exposure levels exceed the 1997 FCC General Population/Uncontrolled Exposure limit. The maximum peak electric field observed is 64% of the 1997 FCC General Population/Uncontrolled Exposure limit at approximately 75 feet from the entrance to the transmitter building. Thus, WPYX complies with OET Bulletin 65 Edition 97-01 with regard to the General Population/Uncontrolled Exposure at all accessible points on the site and surrounding areas.

There are no designated Controlled / Occupational Exposure areas. A fence with a locked gate surrounds the tower base. Appropriate cautionary signs are posted warning workers that fields may exist on the tower which exceed FCC guidelines. Thus WPYX complies with OET Bulletin 65 Edition 97-01 with regard to Occupational / Controlled Exposure. WPYX in cooperation with other licensees will reduce power or cease operations as necessary to protect persons having access to the site, including the tower or antennas, from RF exposure in excess of FCC guidelines.

Figure 1**TOWAIR Determination Results******* NOTICE *****

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results

Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.

Your Specifications**NAD83 Coordinates**

Latitude	42-38-09.3 north
Longitude	074-00-03.5 west

Measurements (Meters)

Overall Structure Height (AGL)	46
Support Structure Height (AGL)	0
Site Elevation (AMSL)	473

Structure Type

TOWER - Free standing or Guyed Structure used for Communications Purposes

[Tower Construction Notifications](#)

Notify Tribes and Historic Preservation Officers of your plans to build a tower.

CLOSE WINDOW