

Exhibit 13

**APPLICATION FOR CONSTRUCTION PERMIT  
FOR  
RADIO STATION WMTN #22338)  
MORRISTOWN, TN**

**1300 KHZ 5 KW-D 96 W-N U ND**

**JANUARY 16, 2020**

**PURPOSE OF APPLICATION**

## EXECUTIVE SUMMARY/ PURPOSE OF APPLICATION—WMTN

This application is prepared on behalf of Radio Acquisition Corp., licensee of AM broadcast station WMTN located in Morristown, Tennessee. WMTN is a Class D AM station operating on 1300 KHZ with powers of 5 KW daytime and 96 watts secondary nighttime operation. A non-directional antenna is used bring both daytime and nighttime operations.

The purpose of this application is to correct the technical data in the FCC database as to coordinates and tower height in the records. No other changes are proposed with this application.

This update was found to be necessary by comparison of the licensed transmitter site coordinates---which date back to when the station was first constructed in 1957---with the more recently determined coordinates.

The original coordinates currently on file in the database are:

36-12-15 N  
83-19-57 W

The updated NAD27 corrected coordinates as determined from satellite GPS analysis are:

36-12-15 N  
83-19-59 W

When comparing the licensed with the updated corrected coordinates, a discrepancy of 10 seconds in the North Latitude and a 2 seconds in the West Longitude exists. Exhibit 1 shows the coordinates plotted on a satellite photo. As can be seen on Exhibit 1, the updated coordinates are correct. Also, a daytime allocation study as shown on Exhibit 2 is included supporting a conclusion that this proposal complies with all interference protection requirements.

There is no actual change in the contour overlap between WMTN and other stations, as the tower location is not changed only the coordinates.

The ground system for the tower consists of 120 equally spaced, buried, copper radials averaging 65.2 meters in length except where terminated by property boundaries, plus 120 interspersed radials 15.2 meters in length, around the base of the tower.

The tower height is modified from that in the database to read as follows:

Original tower height as in the current FCC database:

49.9 Meters AGL  
49.8 Meters above base  
Theoretical efficiency: 294.35 mV/m at 1 kw

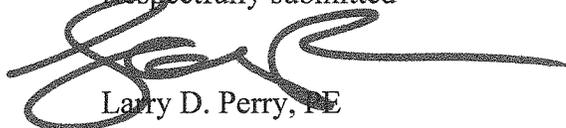
The corrected tower height is:

**45.7 Meters---71.4 degrees**  
**46.6 Meters AGL**  
**Theoretical efficiency: 293.7 mV/m at 1 kw**

These are the same for both the daytime and nighttime same tower.

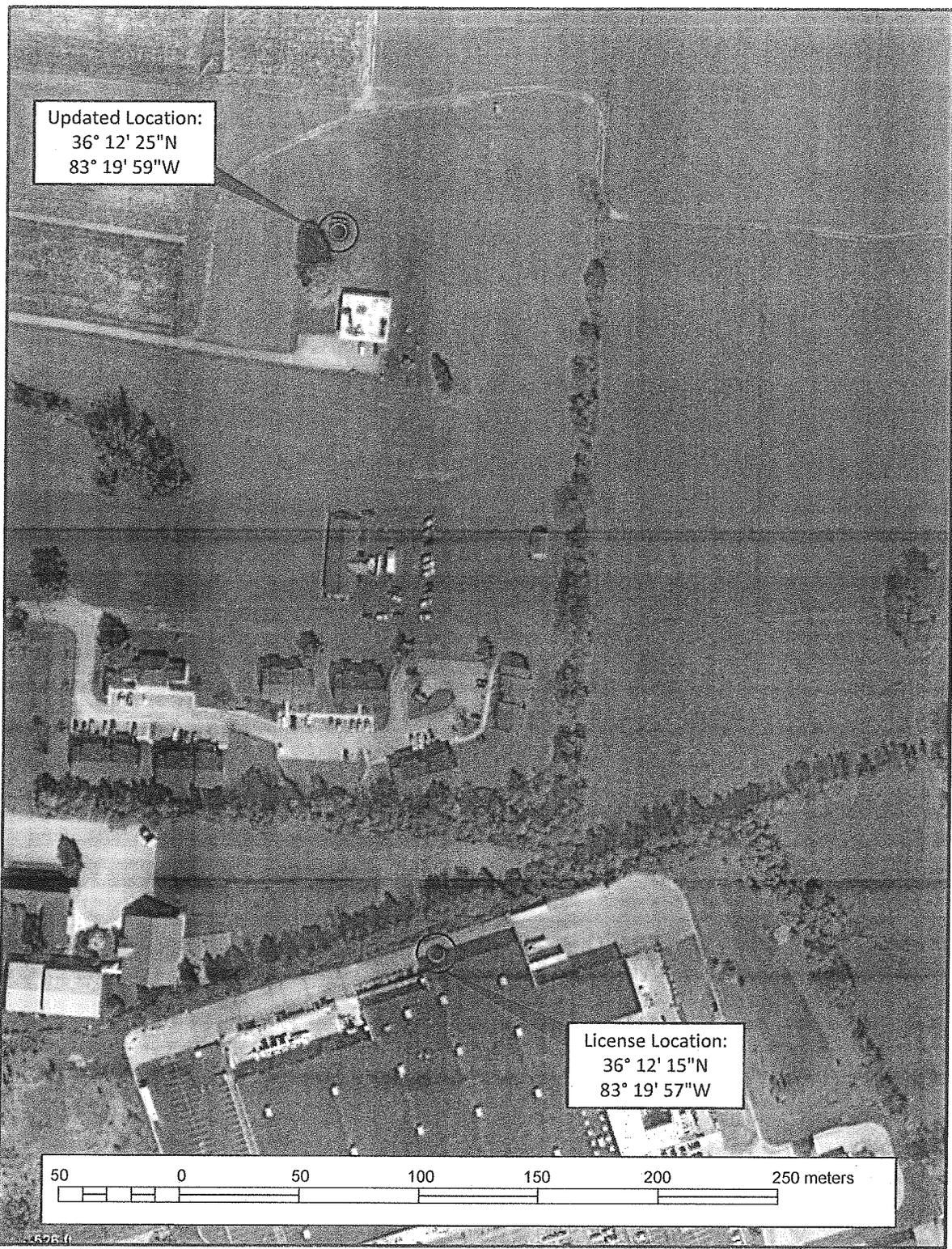
It is requested that a construction permit be granted with the new set of parameters but that the requirement for antenna resistance measurements be suspended as the station's physical location has not changed and no changes are being made to the licensed antenna system.

Respectfully submitted

A handwritten signature in black ink, appearing to read 'Larry D. Perry', with a long horizontal flourish extending to the right.

Larry D. Perry, PE

EX 1

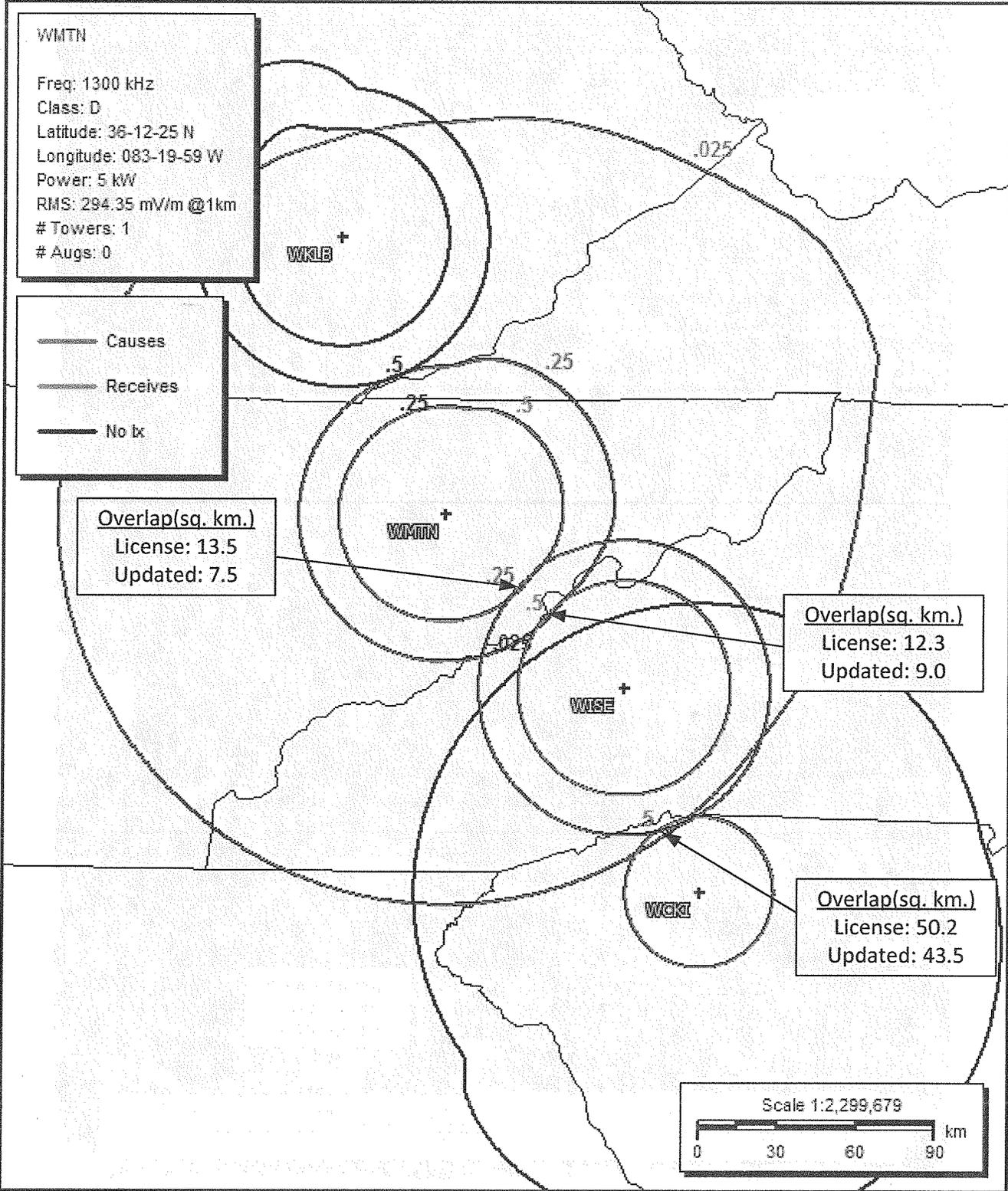


### SITE LOCATIONS

RADIO STATION WMTN  
MORRISTOWN, TENNESSEE  
1300 KHZ 5 KW-D 96 W-N U ND

X3

EX2



### DAYTIME ALLOCATION STUDY

RADIO STATION WMTN  
 MORRISTOWN, TENNESSEE  
 1300 KHZ 5 KW-D 96 W-N U ND