



42°9'7"N
85°13'18"W Map Extent 85°11'50"W
42°8'15"N



Geographic Coordinate System (WGS84)

Exhibit 13.2

Vertical Plan of Antenna System

The site is located at 5013 Michigan Highway 66,
the city of East Leroy, Calhoun County, Michigan.

Site Location (NAD 27)

NL: 42° 08' 41"

WL: 85° 12' 34"

NOTE: New Tower Construction

Antenna Structure Registration No.

Pending

Proposed Antenna
COR: 359 meters AMSL
HAAT: 77 meters

367.2 meters AMSL

91.4 meters AGL

83 meters

Ground Elevation = 275.8 m AMSL
Drawing is not to Scale

MUNN-REESE, INC.
Broadcast Engineering Consultants
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EXHIBIT 13.3

PROPOSED FM OPERATING SPECIFICATIONS

Call: WYBA(FM)

City of License: Coldwater, MI

Frequency: 90.1 MHz **Channel:** 211B **ERP:** 32.0 kW **HAAT:** 77 m

Transmitter Location: The site is located at 5013 Michigan Highway 66.

City: East Leroy

County: Calhoun

State: Michigan

Site Coordinates: NL: 42° 08' 41" / WL: 85° 12' 34"

Tower Registration Number: Pending

Proposed Operation: Class B

Effective Radiated Power: 32.0 kW (H) 32.0 kW (V)

Height of Antenna Radiation Center Above:

	<u>Average Terrain</u>	<u>Mean Sea Level</u>	<u>Ground</u>
Horizontal	77 meters	359 meters	83 meters
Vertical	77 meters	359 meters	83 meters

Elevation of Tower Site : 275.8 Meters AMSL

Overall Height of Structure Above Ground : 91.4 Meters AGL

Overall Height of Structure Above Mean Sea Level: 367.2 Meters AMSL

Exhibit 13.4 Present vs. Proposed Service Contour Study

WYBA.P
Proposed Operation
Latitude: 42-08-41 N
Longitude: 085-12-34 W
ERP: 32.00 kW
Channel: 211
Frequency: 90.1 MHz
AMSL Height: 359.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

60 dBu Contour
Total Population: 181,434
Total Area: 3,337 sq. km

WYBA.L
BLED20080716AAD
Latitude: 41-56-24 N
Longitude: 085-02-47 W
ERP: 0.25 kW
Channel: 211
Frequency: 90.1 MHz
AMSL Height: 308.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

60 dBu Contour
Total Population: 17,605
Total Area: 160 sq. km

