

## Exhibit 13.2

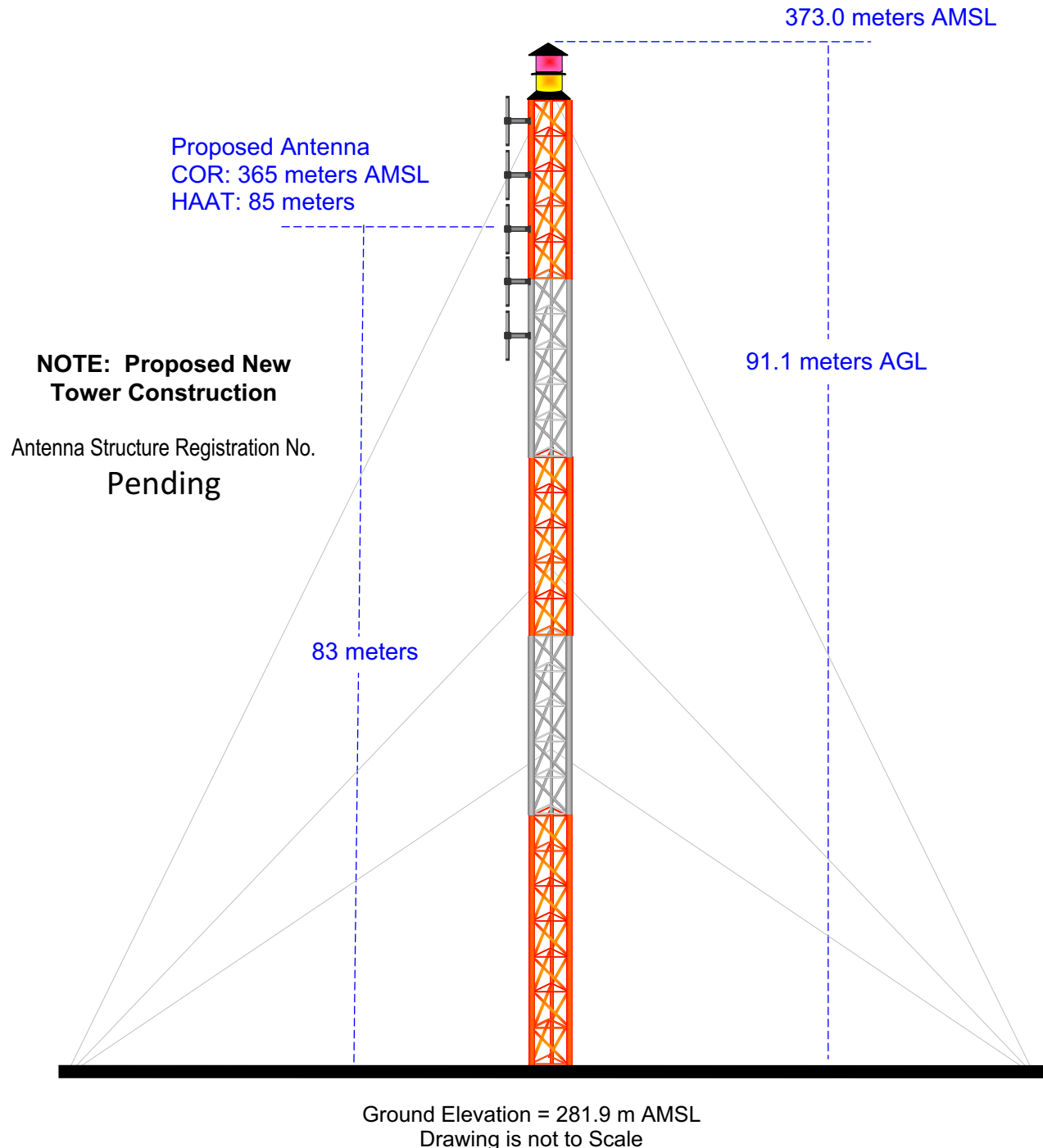
### Vertical Plan of Antenna System

The site is located 0.75 km northwest of the  
“+” intersection of 7 ½ Mile Road and J Drive South,  
Town of East Leroy, Calhoun County, Michigan.

#### Site Location (NAD 27)

NL: 42° 10' 47"

WL: 85° 09' 10"



**MUNN-REESE, INC.**

Broadcast Engineering Consultants  
Coldwater, MI 49036

## EXHIBIT 13.3

### PROPOSED FM OPERATING SPECIFICATIONS

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**Applicant:** Michiana Christian Broadcasters, Inc.

**Call:** WCWB(FM)

**City of License:** Coldwater, MI

**Frequency:** 90.1 MHz    **Channel:** 211B1    **ERP:** 25 kW    **HAAT:** 85 m

**Transmitter Location** The site is located 0.75 km northwest of the "J" intersection of 7 ½ Mile Road and J Drive South.

**City:** East Leroy

**County:** Calhoun

**State:** Michigan

**Site Coordinates:** NL 42° 10' 47" / WL 85° 09' 10"

**Tower Registration Number:** pending

**Proposed Operation:** Class B1

**Effective Radiated Power:** 0.001 kW (H)    25.0 kW (V)

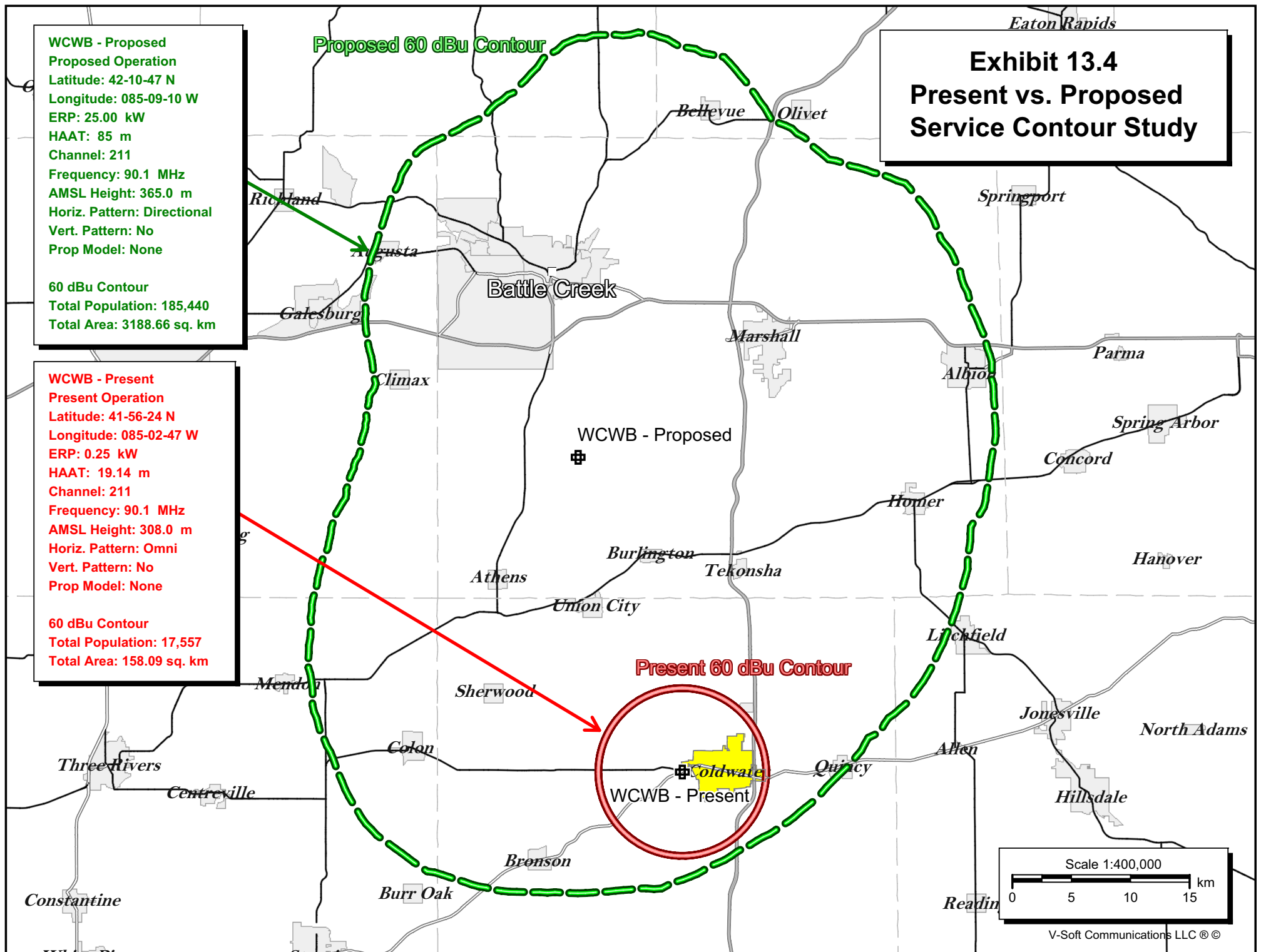
**Height of Antenna Radiation Center Above:**

	<u>Average Terrain</u>	<u>Mean Sea Level</u>	<u>Ground</u>
<b>Horizontal</b>	85 meters	365 meters	83 meters
<b>Vertical</b>	85 meters	365 meters	83 meters

**Elevation of Tower Site** : 281.9 meters AMSL

**Overall Height of Structure Above Ground** : 91.1 meters AGL

**Overall Height of Structure Above Mean Sea Level:** 373.0 meters AMSL





# Exhibit 13.5

## Tabulation of Proposed Directional Antenna

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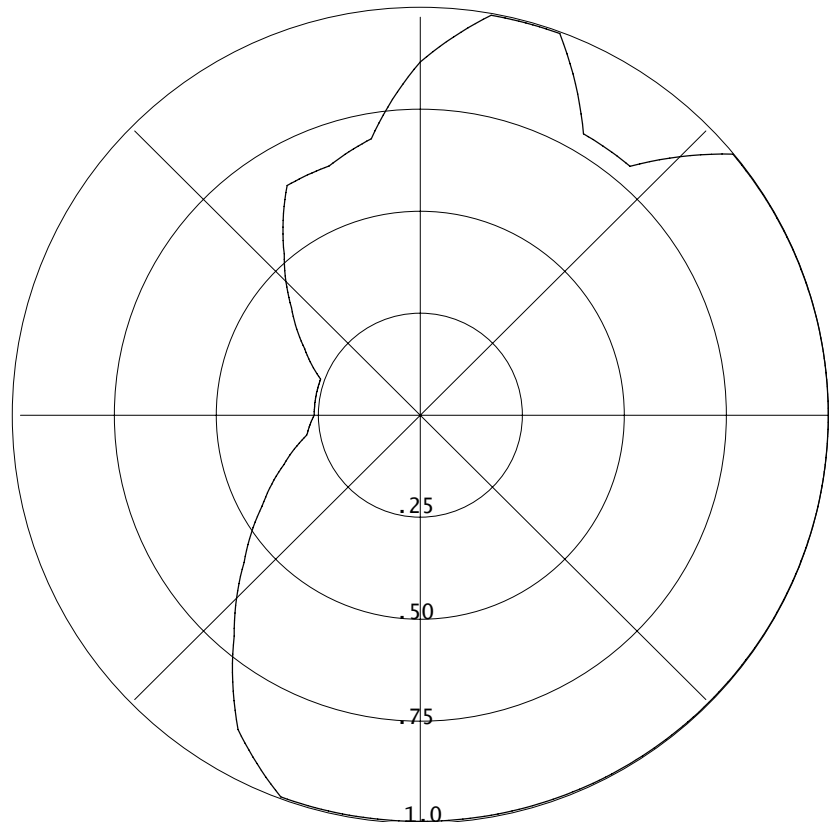
04-24-2008

RMS(V)= .818

Bearing    Field % voltage

Graph is Percent Relative Field Voltage

000	=	0.870
010	=	1.000
020	=	1.000
030	=	0.800
040	=	0.800
050	=	1.000
060	=	1.000
070	=	1.000
080	=	1.000
090	=	1.000
100	=	1.000
110	=	1.000
120	=	1.000
130	=	1.000
140	=	1.000
150	=	1.000
160	=	1.000
170	=	1.000
180	=	1.000
190	=	1.000
200	=	1.000
210	=	0.893
220	=	0.710
230	=	0.564
240	=	0.448
250	=	0.356
260	=	0.283
270	=	0.260
280	=	0.260
290	=	0.260
300	=	0.327
310	=	0.412
320	=	0.519
330	=	0.653
340	=	0.653
350	=	0.691



The antenna proposed in this application will be mounted in accordance with specific instructions provided by the antenna manufacturer. The antenna will be tested by the manufacturer using the type of mounting which will be employed in the field.

The directional antenna will be mounted on the tower which is of uniform cross section. No other antennas of any type are or will be mounted on the same tower level as the directional antenna.

No antenna is or will be mounted within any vertical or horizontal distance specified by the antenna manufacturer as being necessary for proper operation of the directional antenna. The antenna will be assembled under the supervision of a qualified engineer, who will provide the required certification. This statement will certify that the antenna has been installed pursuant to the manufacturer's instructions. Also upon completion of antenna construction, a statement from a licensed surveyor will be submitted with the application for license certifying the antenna has been installed in the proper orientation.

The directional antenna pattern will be produced by means of parasitic elements, adjusted to produce the required pattern.

The antenna pattern will be measured by the manufacturer on the test range, and the measurement results will be supplied to the Commission at the time Form 302-FM is filed covering the construction.