

Exhibit 11.1 Topographical Map of Proposed Site



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339

Proposed Site

AURORA, MINN.
47092-E2-TF-024

1962
PHOTOREVISED 1984
DMA 7579 II SW-SERIES V872

(TURPELA LAKE)
7578 I NW
SCALE 1:24 000

R. 15 W. R. 14 W.

10' 563

564

20

21

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1985

56500m.E.

ROAD CLASSIFICATION

47°30'

92°07'30"

13

EXHIBIT 11.2

VERTICAL PLAN OF ANTENNA SYSTEM

The site is located on top of the Hoyt Lakes Water Tower
In-between Whitewater Lake and Colby Lake
City of Hoyt Lakes, St. Louis County, Minnesota

Site Location
NL: 47° 31' 08"
WL: 92° 10' 19"

Proposed Antenna
COR: 505 meters AMSL
Max HAAT: 88.3 meters

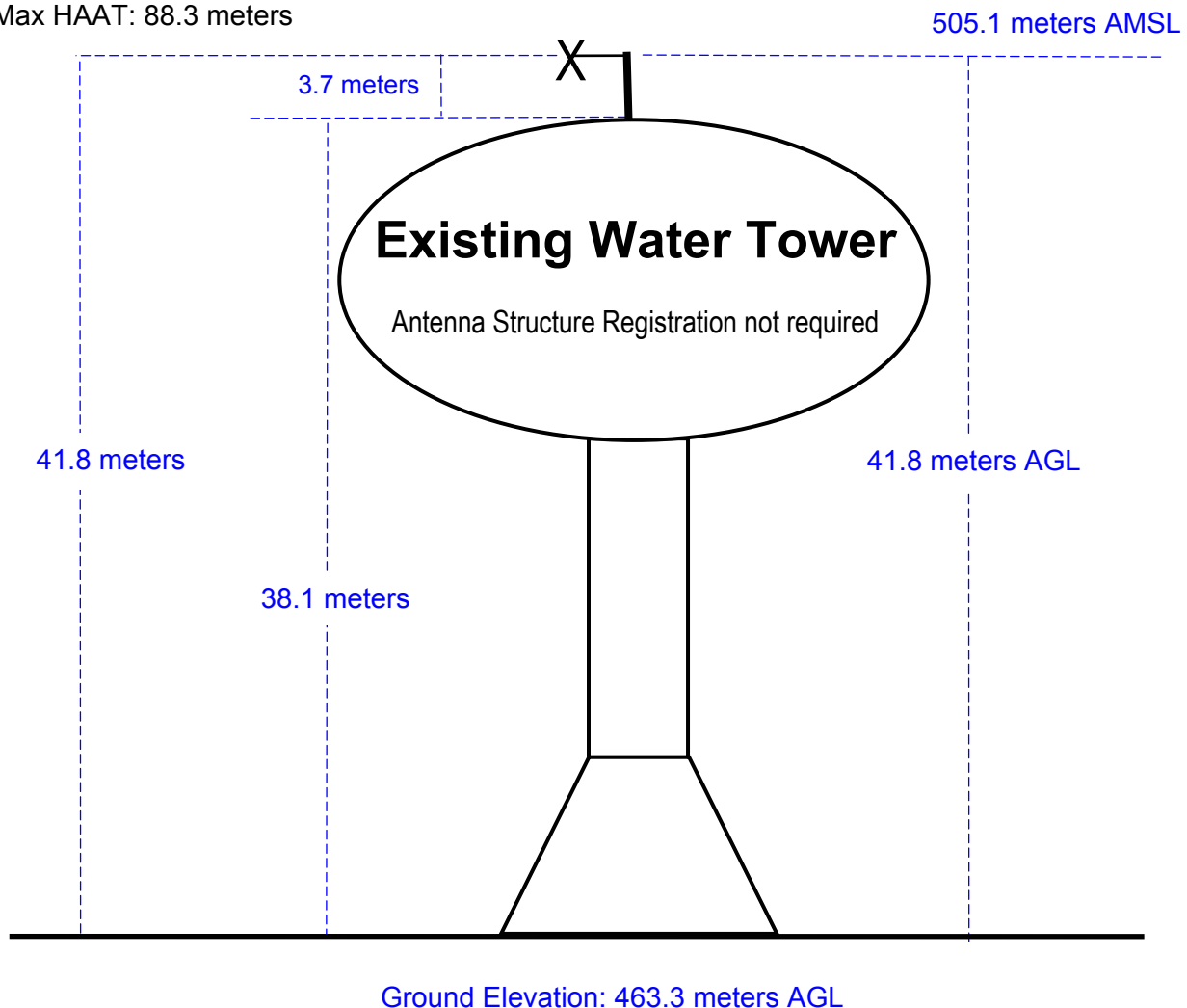


EXHIBIT 11.3

PROPOSED FM OPERATING SPECIFICATIONS

Applicant: Heartland Christian Broadcasters, Inc.

Call: K280AW (former channel)

City of License: Hoyt Lakes, MN

Frequency: 104.1 MHz **Channel:** 281D **ERP:** 0.225 kW **max HAAT:** 88 m

Transmitter Location: The site is located on top of the Hoyt Lakes Water Tower
in-between Whitewater Lake and Colby Lake

City: Hoyt Lakes

County: St. Louis County

State: Minnesota

Site Coordinates: NL 47° 31' 08" / WL 92° 10' 19"

Tower Registration Number: none required

Proposed Operation: Class D

Effective Radiated Power: 0.225 kW

Height of Antenna Radiation Center Above:

	<u>Max Average Terrain</u>	<u>Mean Sea Level</u>	<u>Ground</u>
Horizontal	88 meters	505 meters	42 meters
Vertical	88 meters	505 meters	42 meters

Elevation of Tower Site : 463.3 meters AMSL

Overall Height of Structure Above Ground : 41.8 meters AGL

Overall Height of Structure Above Mean Sea Level: 505.1 meters AMSL

Exhibit 11.4 Present vs Proposed Service Contour Study

K280AW Proposed

Latitude: 47-31-08 N
Longitude: 092-10-19 W
ERP: 0.225 kW
Channel: 281
Frequency: 104.1 MHz
AMSL Height: 505.0 m

60 dBu Contour

Total Population: 4,881
Total Area: 265.71 sq. km

K280AW Present

BLFT19781002JU
Latitude: 47-30-07 N
Longitude: 092-07-55 W
ERP: 0.11 kW
Channel: 280
Frequency: 103.9 MHz
AMSL Height: 481.0 m

60 dBu Contour

Total Population: 898
Total Area: 29.15 sq. km

Aurora

K280AW Proposed

Hoyt Lakes

K280AW Present



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Scale 1:125,000

0 1 2 3 km

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Exhibit 11.5
Proposed Translator
vs.
KBHW - International Falls, MN

