

# WTCM-FM - Traverse City, MI Proposed Auxiliary vs. Primary 73.1675(a)(1)(ii) Study

Munn-Reese.com

## WTCM-FM.P(aux) - HAAT CALCULATIONS

N. Lat. = 444602 W. Lng. = 854126  
HAAT and Distance to Contour,  
FCC, FM 2-10 Mi, 51 pts Method - NED 03 SEC

WTCM-FM(aux), Wtcm Radio, Inc., BLH19870203KB  
Azi. AV EL HAAT ERP kW dBk Field 60-F5

000	222.2	140.1	2.0000	3.01	1.000	25.60
045	181.4	180.9	2.0000	3.01	1.000	28.70
090	180.9	181.4	2.0000	3.01	1.000	28.74
135	240.4	121.9	2.0000	3.01	1.000	24.15
180	274.1	88.2	2.0000	3.01	1.000	20.71
225	265.3	97.0	2.0000	3.01	1.000	21.73
270	271.1	91.2	2.0000	3.01	1.000	21.07
315	216.9	145.4	2.0000	3.01	1.000	26.02

Ave El= 231.54 M HAAT= 130.76 M AMSL= 362.3 M

## WTCM-FM

BLH19870203KB  
Latitude: 44-27-31 N  
Longitude: 085-42-02 W  
ERP: 100.00 kW  
Channel: 278  
Frequency: 103.5 MHz  
AMSL Height: 614.0 m  
Elevation: 323.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

## WTCM-FM.P(aux)

BLH19870203KB  
Latitude: 44-46-02 N  
Longitude: 085-41-26 W  
ERP: 2.00 kW  
Channel: 278  
Frequency: 103.5 MHz  
AMSL Height: 362.3 m  
Elevation: 310.5 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

FCC F(50-50) 60.00 dBu (FCC HAAT)

FCC F(50-50) 60.00 dBu (FCC HAAT)

Scale 1:1,000,000

0 10 20 30 km

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