ASR Registration Search

Registration 1271528

Map Registration

Exhibit 15.1 - Copy of Existing Antenna Structure Registration

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

Registration Detail

Reg Number	1271528	Status	Granted
File Number	A0655287	Constructed	
FAA Study	2009-AGL-4350-OE	EMI	No
FAA Issue Date	10/05/2009	NEPA	No

Antenna Structure

Structure Type BTWR - Building with Tower

Location (in NAD83 Coordinates)

Lat/Long	42-16-37.0 N 083-44-07.0 W	David M. Dennison Building
City, State	Ann Arbor , MI	
Center of AM Array		

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
267.8	50.3
Overall Height Above Mean Sea Level	**Overall Height Above Ground w/o Appurtenances**
318.1	50.3

Painting and Lighting Specifications

None

Owner & Contact Information

FRN 0003927902 Licensee ID L00008600

Owner

Regents of the University of Michigan
503 Thompson Street
Ann Arbor , MI 48109

P: (734)764-1817
E:

Contact

Clancy , Michael
1503 Washington Heights, Room 1318
Ann Arbor , MI 48109

P: (734)615-5240
E: mclancy@umich.edu

Last Action Status

Status	Granted	Received	10/27/2009
Purpose	New	Entered	10/27/2009
Mode	Interactive		

Related Applications

10/27/2009 A0655287 - New (NE)

Comments

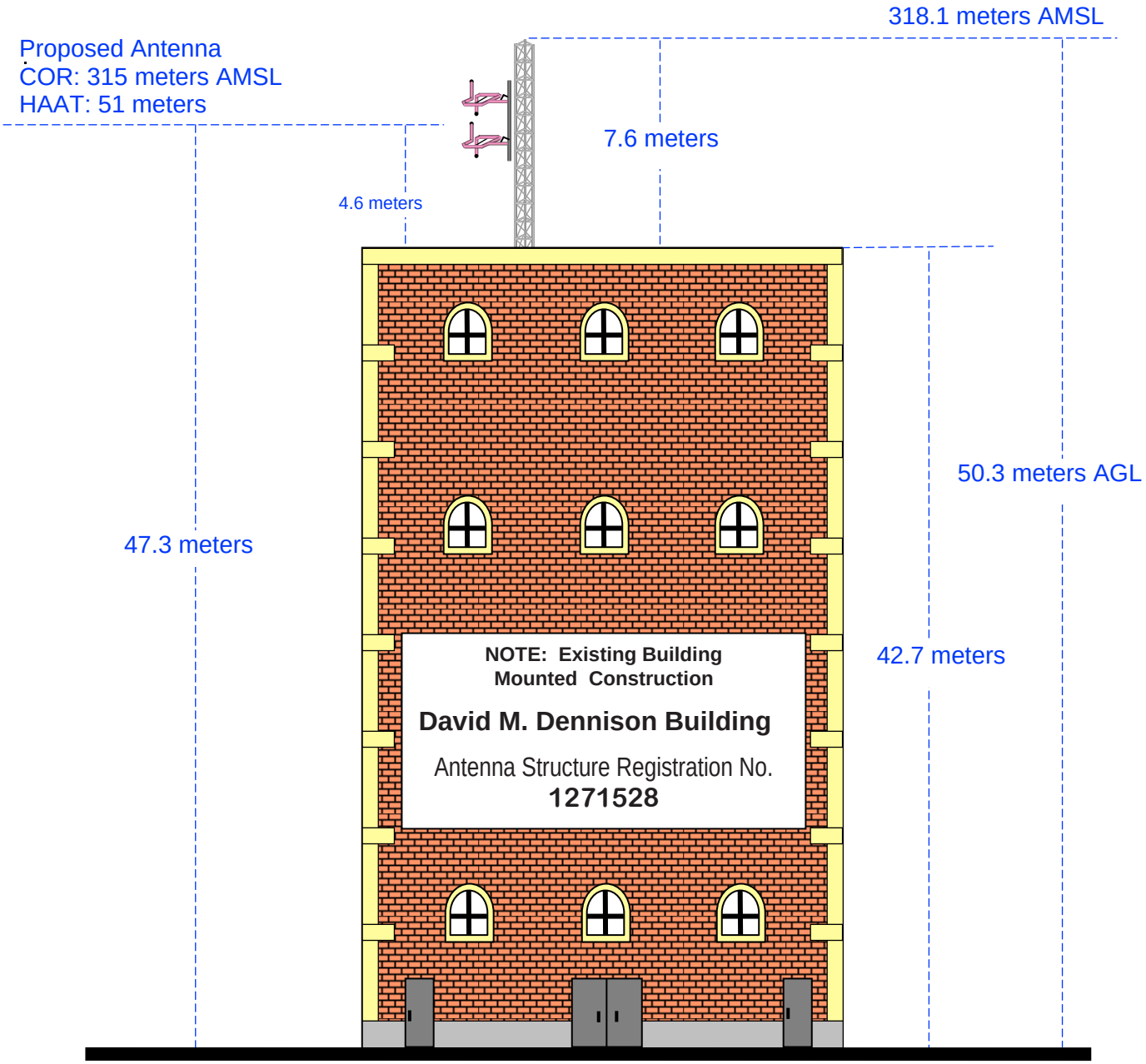
Comments

None

Automated Letters

Exhibit 15.2
Vertical Plan of Antenna System

The site is located on the David M. Dennison Building, U of M Campus, the city of Ann Arbor, Washtenaw County, Michigan.	Site Location (NAD 27) NL: 42° 16' 37" WL: 83° 44' 07"



Ground Elevation = 267.8 m AMSL
Drawing is not to Scale

MUNN–REESE, INC.
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Exhibit 15.3
Proposed FM Operating Specifcations

Applicant: Regents of the University of Michigan

Call: WCBN-FM

City of License: Ann Arbor, MI

Frequency: 88.3 MHz **Channel:** 202A **ERP:** 3.0 kW **HAAT:** 51 M

Transmitter Location: The site is located on the roof of the David M. Dennison Building on the campus of the University of Michigan

City: Ann Arbor

County: Washtenaw County

State: Michigan

Site Coordinates: NL: 42° 16' 37" / WL: 83° 44' 07"

Tower Registration Number: 1271528

Proposed Operation: Class A

Effective Radiated Power: 3.0 kW (H) 3.0 kW (V)

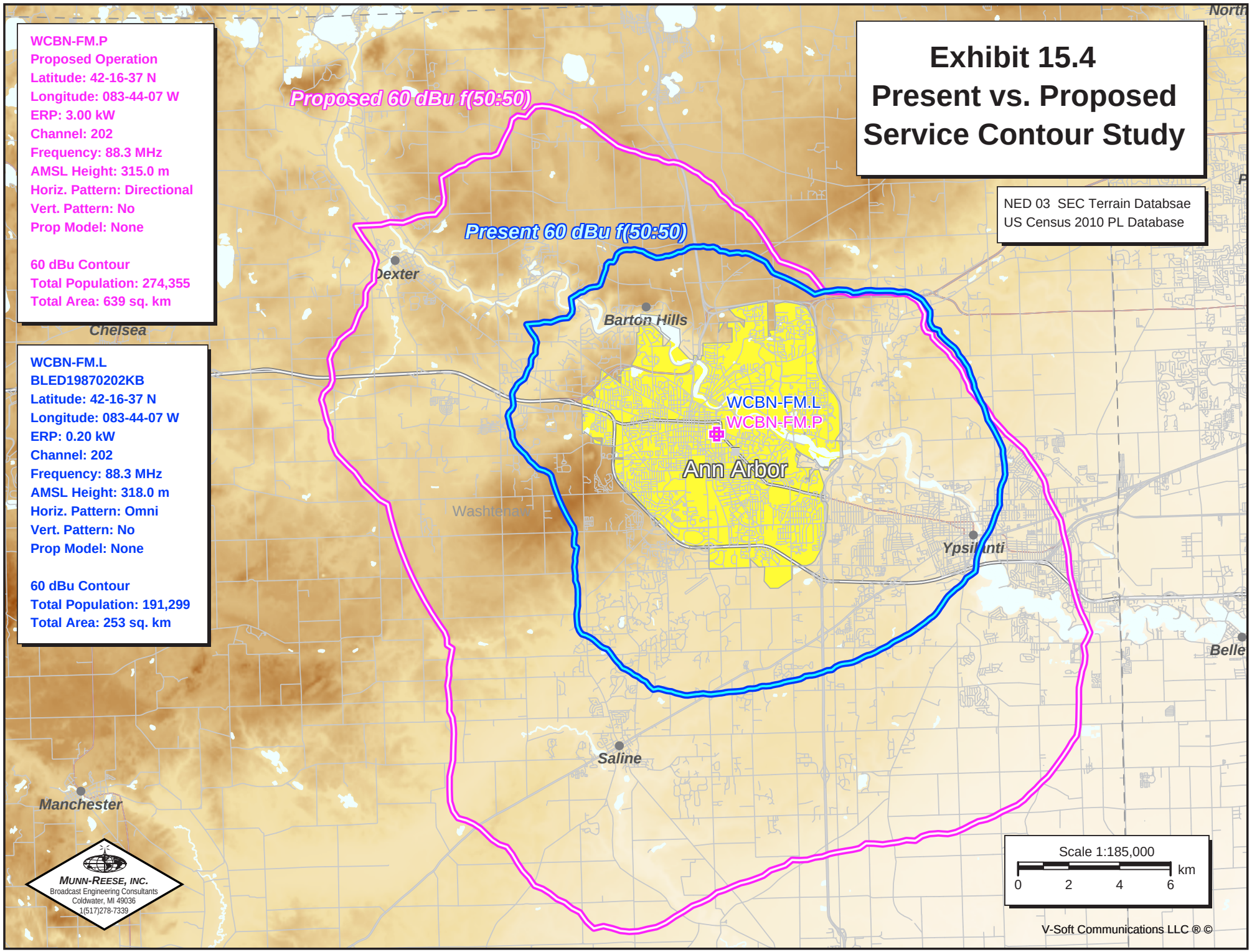
Height of Antenna Radiation Center Above:

	Average Terrain	Mean Sea Level	Ground
Horizontal	51 meters	315 meters	47 meters
Vertical	51 meters	315 meters	47 meters

Elevation of Tower Site : 267.8 Meters AMSL

Overall Height of Structure Above Ground : 50.3 Meters AGL

Overall Height of Structure Above Mean Sea Level: 318.1 Meters AMSL


WCBN-FM.P
Proposed Operation
Latitude: 42-16-37 N
Longitude: 083-44-07 W
ERP: 3.00 kW
Channel: 202
Frequency: 88.3 MHz
AMSL Height: 315.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None
60 dBu Contour
Total Population: 274,355
Total Area: 639 sq. km
WCBN-FM.L
BLED19870202KB
Latitude: 42-16-37 N
Longitude: 083-44-07 W
ERP: 0.20 kW
Channel: 202
Frequency: 88.3 MHz
AMSL Height: 318.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None
60 dBu Contour
Total Population: 191,299
Total Area: 253 sq. km
Exhibit 15.4
Present vs. Proposed
Service Contour Study
NED 03 SEC Terrain Databsae
US Census 2010 PL Database
Proposed 60 dBu f(50:50)
Present 60 dBu f(50:50)
Chelsea
Barton Hills
WCBN-FM.L
WCBN-FM.P
Ann Arbor
Washtenaw
Saline
Manchester
Belle
Scale 1:185,000
0 2 4 6 km
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