

ASR Registration Search

Registration 1035891 [Map Registration](#)**Registration Detail**

Reg Number	1035891	Status	Constructed
File Number	A1052350	Constructed	01/01/1980
EMI	No	Dismantled	
NEPA	No		

Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Commu

Location (in NAD83 Coordinates)

Lat/Long	45-59-07.0 N 091-32-24.0 W	Address	ON HWY 63 4.4 KM W
City, State	HAYWARD , WI		
Zip	54843	County	SAWYER
Center of AM Array		Position of Tower in Array	

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
359.7	142.0
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
501.7	142.0

Painting and Lighting Specifications

FAA Chapters 3, 4, 5, 13

Paint and Light in Accordance with FAA Circular Number 70/7460-1H

FAA Notification

FAA Study	94-AGL-3297-OE	FAA Issue Date	11/01/1994
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Owner & Contact Information

FRN	0007645708	Owner Entity Type	Corporation
Assignor FRN	0005676325	Assignor ID	L00225142

Owner

Zoe Communications Inc.
 Attention To: Mike Oberg
 345 Hwy 63 South
 P.O. Box 190
 Shell Lake , WI 54871

P: (715)468-9500
 F:
 E: obergmike@gmail.com

Contact

Oberg , Mike
 Attention To: Mike Oberg
 345 Hwy 63 South
 P.O. Box 190
 Shell Lake , WI 54871

P: (715)468-9500
 F:
 E: obergmike@gmail.com

Last Action Status

Status	Constructed	Received	10/27/2016
Purpose	Change Owner	Entered	10/27/2016

Mode Interactive

Related Applications

10/27/2016	A1052350 - Change Owner (OC)
12/13/2012	A0806612 - Admin Update (AU)
09/27/2006	A0518530 - Admin Update (AU)

Related applications (5)

Comments

Comments

None

History

Date	Event
10/28/2016	Registration Printed
10/27/2016	Change of Ownership Received
12/14/2012	Registration Printed

All History (14)

Automated Letters

10/28/2016	Authorization, Reference
12/14/2012	Authorization, Reference
09/28/2006	Authorization, Reference 526253

All letters (4)

CLOSE WINDOW

Exhibit 13.2 W230AN - Authorized and Proposed Service Contours

Munn-Reese.com

W230AN.C

BPFT20170126ABC
Latitude: 46-00-52 N
Longitude: 091-29-06 W
ERP: 0.25 kW
Channel: 230
Frequency: 93.9 MHz
AMSL Height: 378.0 m
Elevation: 364.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

W230AN.P

BMLFT20050127AIL
Latitude: 45-59-07 N
Longitude: 091-32-23 W
ERP: 0.25 kW
Channel: 230
Frequency: 93.9 MHz
AMSL Height: 489.0 m
Elevation: 360.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

- W230AN.C (230)
- W230AN.P (230)
- WHSM-FM (266)
- W245CT (245)

WHSM-FM

BLH19950627KF
Latitude: 45-59-07 N
Longitude: 091-32-23 W
ERP: 1.50 kW
Channel: 266
Frequency: 101.1 MHz
AMSL Height: 499.0 m
Elevation: 360.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

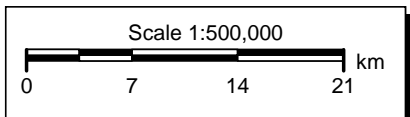
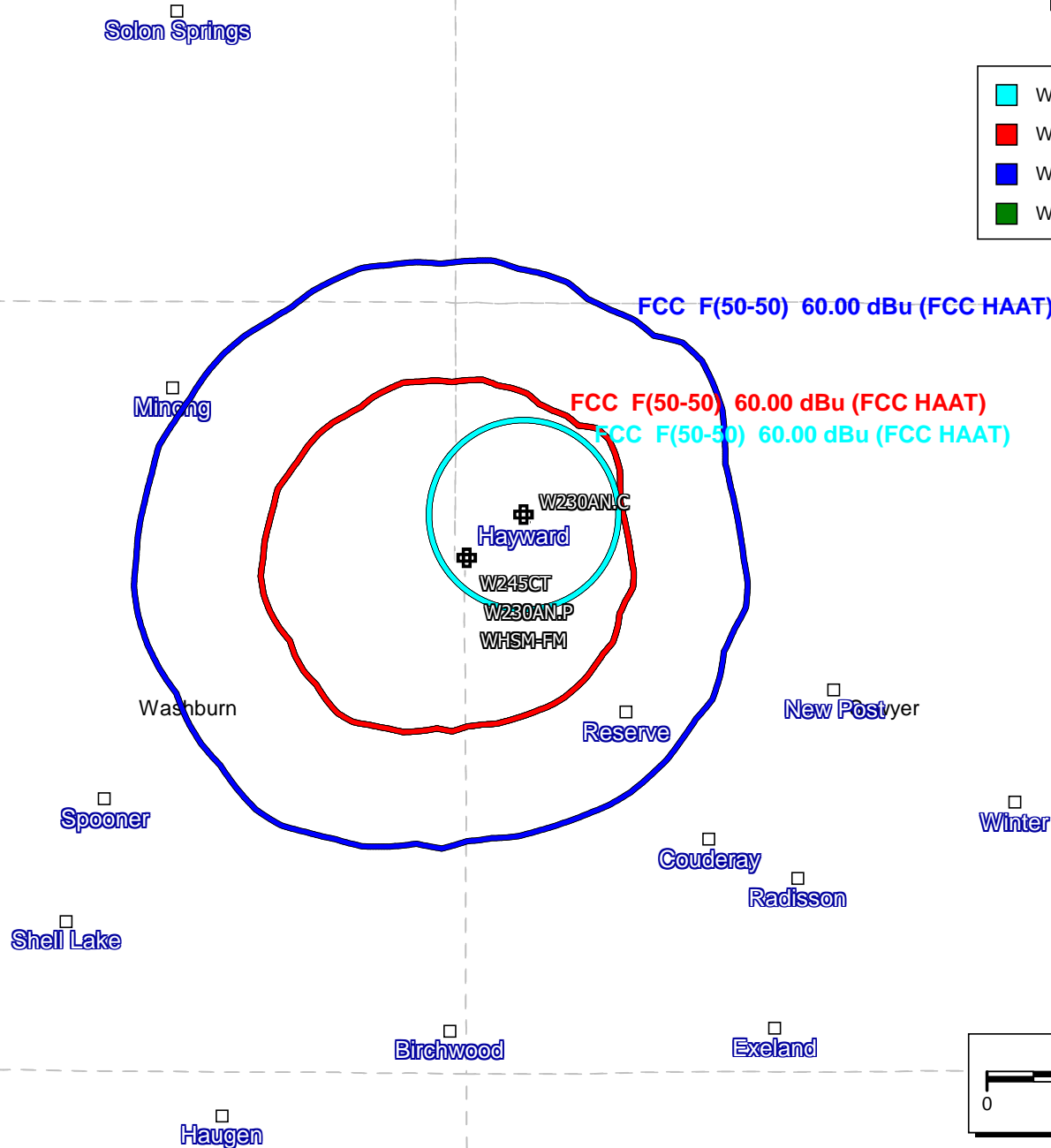
W245CT

BLFT20170112AAZ
Latitude: 45-59-07 N
Longitude: 091-32-23 W
ERP: 0.25 kW
Channel: 245
Frequency: 96.9 MHz
AMSL Height: 489.0 m
Elevation: 360.0 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)

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



Munn-Reese
Coldwater, MI 49036

Exhibit 13.3

University Of Northwestern-st. Paul

REFERENCE CH# 230D - 93.9 MHz, Pwr= 0.25 kw, HAAT= 111.6 M, COR= 489 M DISPLAY DATES
45 59 07.0 N. DATA 09-27-18
91 32 23.0 W. Average Protected F(50-50)= 13.58 km SEARCH 09-27-18
Omni-directional

CH CITY	CALL	TYPE STATE	ANT AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
230D Hayward	W230AN	CP _C_ WI	52.5 232.5	5.32 BPFT20170126ABC	46 00 52.0 91 29 06.0	0.250	378	---Reference---		University Of Northwestern
230D Hayward	W230AN	LIC _H_ WI	52.5 232.5	5.32 BMLFT20050127AIL	46 00 52.0 91 29 06.0	0.050 -9	378	---Reference---		University Of Northwestern
232C2 Hayward	AL4630	VAC ____ WI	22.1 202.2	31.90 RM9819	46 15 04.0 91 23 01.0	50.000 150	5.7 559	50.6 Escanaba License Corp	13.3	-19.8*<
230C1 Hibbing	WTBX	LIC _CX MN	324.5 143.4	190.91 BLH20051102AAP	47 22 24.0 93 00 48.0	100.000 162	160.5 596	62.7 Midwest Communications, In	16.6	81.1
231C1 Elk Mound	WIAL	CP _CX WI	176.7 356.8	128.67 BPH20170303ABH	44 49 47.0 91 26 48.0	84.000 114	80.1 394	51.8 Mid-west Management, Inc.	36.1	58.3
231C1 Eau Claire	WIAL	LIC _CN WI	176.7 356.8	128.64 BLH19810519AE	44 49 48.0 91 26 48.0	84.000 107	79.5 391	51.3 Mid-west Management, Inc.	36.6	58.8
229C Minneapolis	KXXR	LIC _CN MN	230.7 49.6	160.78 BLH19910814KF	45 03 30.0 93 07 27.0	100.000 315	106.1 593	73.2 Radio License Holdings Llc	39.8	65.3
228D Rice Lake	W228BQ	LIC _C_ WI	200.2 20.1	55.49 BLFT20110823ACG	45 31 00.0 91 47 10.0	0.038 129	0.4 492	8.6 Zoe Communications Inc	41.2	45.8
227C1 Ashland	WBSZ	LIC NCN WI	38.1 218.6	83.43 BLH19940805KB	46 34 25.0 90 51 56.0	71.000 75	3.4 296	32.7 Heartland Comm. License, L	67.0	49.7
231D Duluth	K231BI	LIC _C_ MN	333.8 153.4	99.74 BLFT20170901AAD	46 47 20.2 92 07 04.3	0.250	34.5 504	23.1 Minnesota Public Radio	51.3	55.6
229L1 Superior	WGHF-LP	LIC ____ WI	332.8 152.4	92.73 BLL20050121ACY	46 43 33.0 92 05 45.0	0.100	214	70.8 Superior Seventh-day Adven		66.0
284C2 Washburn	WHWA	LIC _CX WI	28.0 208.4	89.16 BLED20131105ALR	46 41 30.0 90 59 27.0	17.500 184	42.2 478	27.9 State Of Wisconsin Educati	14.5R	74.7M
229C1 Three Lakes	WCYE	LIC NCX WI	96.7 278.3	178.85 BLH20040728ABY	45 46 30.0 89 14 55.0	100.000 124	83.6 619	54.2 Results Broadcasting Of Rh	82.7	106.0
231D Pine City	K231AT	LIC _C_ MN	262.3 81.3	112.72 BLFT20121114AEP	45 50 28.2 92 58 56.2	0.055 44	9.0 335	6.3 Minnesota Public Radio	88.2	83.0
233C St. Paul	KSTP-FM	LIC _CY MN	231.1 50.0	161.40 BMLH19910923KF	45 03 45.0 93 08 22.0	100.000 372	11.1 647	77.3 Kstp-fm Fcc License Sub, L	135.5	83.0
228D Eau Claire	W228EG	CP DC_ WI	174.5 354.6	122.91 BNPFT20180426AAL	44 53 05.0 91 23 26.0	0.250	0.9 405	12.7 Mid-west Management, Inc.	109.6	109.1
233C2 Eagle River	WRJO	LIC _CN WI	82.4 264.0	168.85 BLH19901120KB	46 09 57.0 89 21 57.0	50.000 150	6.1 673	53.2 Heartland Comm. License, L	150.6	114.5
230C3 Nekoosa	WMMA-FM	LIC NCX WI	145.0 326.2	237.47 BLH20050525AIH	44 13 23.0 89 49 46.0	18.000 112	109.2 411	39.1 Immaculate Heart Media, In	115.6	154.6
283C Eau Claire	WAXX	LIC _CX WI	162.7 343.1	153.70 BMLH20120201AIM	44 39 50.0 90 57 40.0	100.000 549	42.2 867	27.9 Mid-west Management, Inc.	28.5R	125.2M
232C3 Aitkin	KKIN-FM	LIC _CN MN	297.0 115.6	176.36 BLH19960911KA	46 41 18.0 93 35 58.0	14.000 133	3.9 508	38.9 R & J Broadcasting, Inc.	157.8	136.4
231L1 St. Paul	WFNU-LP	LIC ____ MN	227.8 46.7	168.47 BLL20160809AAZ	44 57 22.0 93 07 33.0	0.100 22	293	145.7 Thomas Dale District 7 Pl		140.6
231A Little Falls	KFML	LIC _C_ MN	271.6 89.6	215.34 BLH20000919ABW	46 00 15.0 94 19 40.0	6.000 100	43.8 453	28.4 Little Falls Radio Corpora	156.3	164.0
230C1 Mason City	KIAI	LIC _CX IA	202.1 21.0	336.69 BMLH20151228BDA	43 10 05.7 93 06 03.2	100.000 241	164.7 585	66.2 Alpha 3e Licensee Llc	158.0	223.1
227C1 Nisswa	KBLB	LIC _CX MN	284.1 102.1	224.48 BLH20020125AAX	46 26 34.0 94 22 55.0	100.000 170	7.9 554	62.5 Hbi Radio Brainerd/wadena,	201.6	160.9
227C0 La Crosse	WIZM-FM	LIC _CN WI	176.7 356.9	242.62 BLH19830527AE	43 48 23.0 91 22 04.0	100.000 311	10.1 579	72.1 Family Radio, Inc.	220.0	169.4

CH CITY	CALL	TYPE STATE	ANT AZI -<--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)
230C1	WDOR-FM Sturgeon Bay	LIC _CN WI	108.8 291.7	346.54 BLH19801224AK	44 54 23.0 87 22 15.0	77.000 198	157.6 396	63.1 Door County Broadcasting C	176.8	241.6
233A	WELY-FM Ely	LIC _C_ MN	353.5 173.3	213.68 BLH19920615KC	47 53 40.0 91 51 50.0	6.000 100	2.6 534	26.7 Bois Forte Tribal Council	197.8	185.8

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference zone= East Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.
« = Station meets FCC minimum distance spacing for its class.
< = Contour Overlap
Reference station has protected zone issue: AM tower