

Broadcast Facility Details NEW 203A Rockland, MI

The FM Channel Study demonstrates that the proposed facility is in compliance with §73.203, §73.207, §73.213, §73.509 and §73.525.

FM Channel Study

New NCE-FM Gospel Opportunities, Inc															
Average Protected F(50-50)= 20.74 km Omni-directional															
REFERENCE	CH#	203A	-	88.5	MHZ,	Pwr=	0.9	kw,	HAAT=	131.6	M,	COR=	439	M	DISPLAY DATES
46 41 58.69 N.															DATA 10-27-21
89 13 53.86 W.															SEARCH 11-02-21
CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR(kw)	INT(km)	PRO(km)	*IN*	*OUT*				
CITY	STATE			<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)					
203D	WOAS	LIC_CN		345.0	20.17	46 52 29.70	0.009	9.9	3.1	-14.5*<	-56.3*<				
Ontonagon	MI			165.0	BLED19781201AA	89 18 00.50	18	221	Ontonagon Area School Dist						
204C1	WQMN	APP_CN		199.8	83.64	45 59 28.70	50.000	60.8	36.8	5.9	21.8				
Minocqua	WI			19.5	0000162775	89 35 53.60	67	571	Radio 74 Internationale						
202C1	WKPK	APP_VN		94.4	123.76	46 36 14.10	40.000	85.9	58.3	14.2	30.1				
Michigamme	MI			275.5	0000162677	87 37 15.10	285	666	Northland Community Broadc						
202C2	WKPK	LIC_VN		94.4	123.75	46 36 13.80	15.000	69.2	46.8	31.0	41.6				
Michigamme	MI			275.5	BLED20080711ACT	87 37 15.50	252	633	Northland Community Broadc						
202A	WKIW	LIC_VN		248.9	78.94	46 26 27.80	0.300	23.3	15.5	41.0	41.5				
Ironwood	MI			68.2	BLED20080716AGQ	90 11 26.60	157	600	Educational Media Foundati						
204C3	WMLS	LIC_CN		325.1	145.69	47 46 03.60	6.000	73.0	49.0	48.6	60.6				
Grand Marais	MN			144.3	BLED20020411AAK	90 20 47.40	194	537	Minnesota Public Radio						
06 --	W06DL-D<<	CP DHN		188.6	166.65	45 12 59.70	3.000	26.5	11.1	37.6R	129.0M				
Merrill	WI			8.3	0000152902	89 32 53.01		458							

Terrain database is FCC NGDC 30 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= - Zone 2, Co to 3rd adjacent.
 All separation margins (if shown) include rounding. call signs with strikeout need not be protected.
 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: Canada

Although this instant application would bump WOAS (203D) off of its currently licensed channel, there are more than 50 other channels available for its use.

Protected zones report for NEW! on channel 203A 11-03-2021
 Lat. 46 41 58.7 Lng. 89 13 53.9, ERP= 0.9 kw, HAAT= 131.55 m

*** Station must likely coordinate with Canada. Distance to border = 142.6 km.

Facility is okay with respect to AM station towers.

Closest AM Facility is WMPL, HANCOCK, MI, L, ND1 at 47.2° at a distance of 66.1 km

Facility is okay with respect to FCC monitoring stations.

Closest FCC Monitoring Station is 523.9 km= Allegan, MI

Facility is okay toward West Virginia Quiet Zone. Distance to center = 1222.4 km

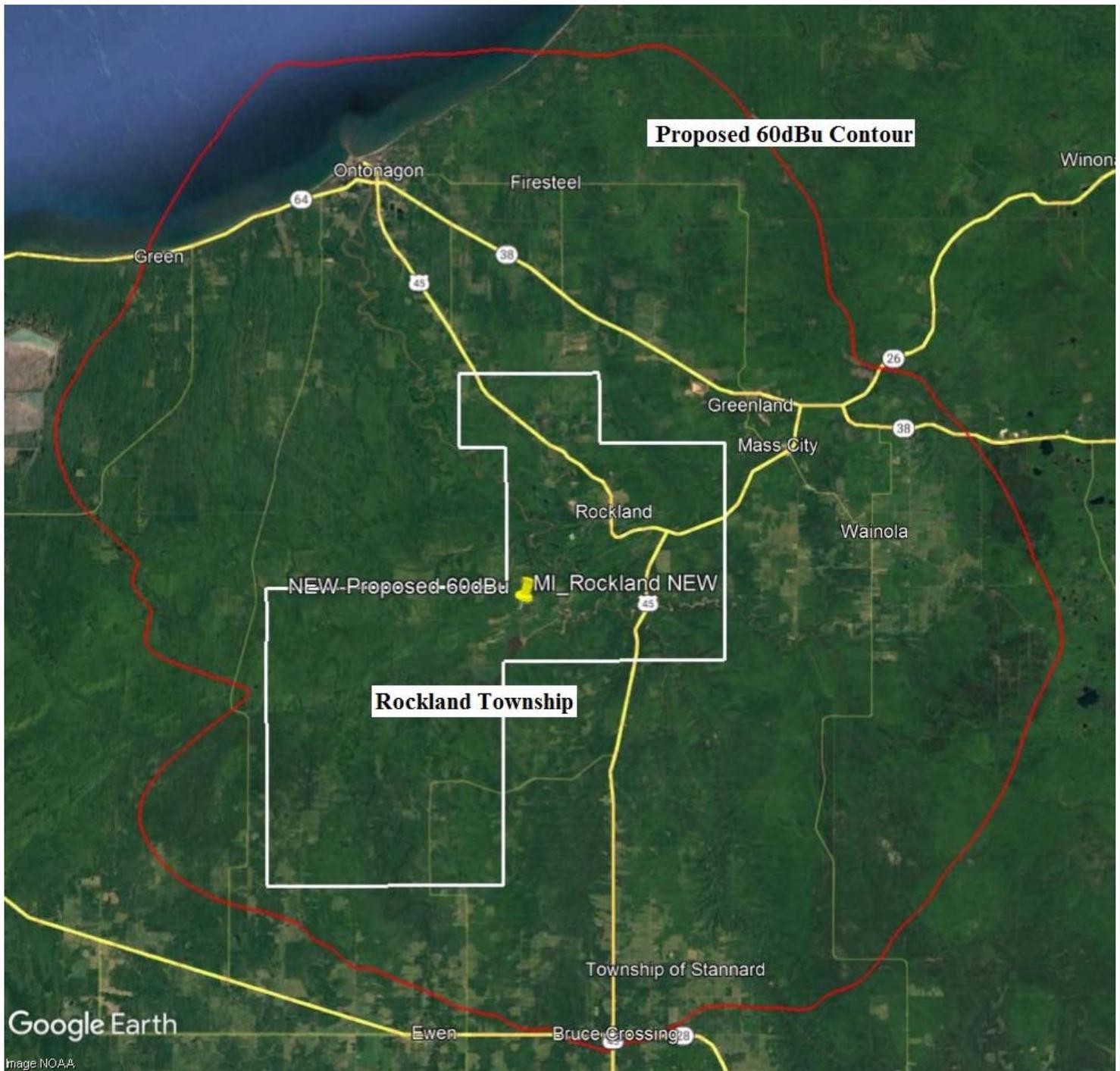
Facility is okay toward Table Mountain. Distance to Center = 1487.5 km, Azimuth = 246.3 Degrees True

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The NCE-FM City of License Contour Map shows compliance with §73.515. Since the proposed facility is for a reserved channel, §73.315 does not apply.

NCE-FM City of License Contour Map



Broadcast Facility Details

NEW 203A Rockland, MI

Although Rockland, MI is an unincorporated township having a population of only 185¹. Rockland has its own:

- post office²,
- museum³,
- library⁴,
- volunteer fire department⁵,
- Township Office⁶,
- groceries at Rockland Depot/General Store⁷,
- food at Henry's Inn⁸,
- a Catholic church⁹ and
- a Methodist church¹⁰.

¹ <https://michigan.quickcityinfo.com/Rockland/Census>

² Zipcode 49960

³ <https://hsmichigan.org/resources/local-historical-organizations/rockland-township-historical-museum/>

⁴ <https://librarytechnology.org/library/19700>

⁵ <https://fire-departments.org/fire-department/rockland-fire-department-michigan.html>

⁶ <https://www.yellowpages.com/rockland-mi/mip/rockland-township-office-1366068>

⁷ <https://rockland-general-store.hub.biz/>

⁸ https://www.tripadvisor.com/Restaurant_Review-g42647-d541742-Reviews-Henry_s_Inn-Rockland_Upper_Peninsula_Michigan.html

⁹ <https://www.dioceseofmarquette.org/stmaryrockland>

¹⁰ <https://www.umc.org/en/find-a-church/church?id=52712>