

# Broadcast Facility Details NEW 202C3 Waupun, WI

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

REFERENCE		NCE-FM to replace W280DD Gospel Opportunities, Inc Average Protected F(50-50)= 17.76 km Omni-directional								DISPLAY DATES			
46 28 44.80 N. 90 08 51.60 W.		CH#	207A	-	89.3 MHz,	Pwr= 0.6 kw,	HAAT= 118.1 M,	COR= 541.7 M		DATA	10-27-21	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)			
208D	W208BV	LIC_CN		167.0	37.50	46 09 01.00	0.250	10.1	7.1	14.1	10.7		
Mercer		WI		347.1	BLFT20170817AAL	90 02 18.30		515	wrvn, Inc.				
206C3	KSPB	LIC_VN		151.0	79.26	45 51 17.30	18.000	54.4	34.8	11.4	24.4		
Rhinelander		WI		331.4	BLED20170801ADU	89 39 06.20	87	579	Northwoods Catholic Radio				
204C1	WQMN	APP_CN		141.9	68.82	45 59 28.70	50.000	4.1	38.7	51.2	28.5		
Minocqua		WI		322.3	0000162775	89 35 53.60	67	571	Radio 74 Internationale				
207B	CBON20	LIC_DCN		16.4	240.52	48 33 01.50	27.500	138.9	71.3	210.0R	30.5M		
Thunder Bay		ON		197.1		89 13 25.20	173	554					
205C1	W0JB	LIC_CN		234.3	114.78	45 52 15.80	100.000	8.1	63.1	93.6	50.1		
Reserve		WI		53.4	BLED19820428AH	91 20 56.60	184	595	Lac Courte Oreilles Ojibwa				
210C1	WWSA	LIC_DCN		269.8	108.98	46 27 59.90	92.000	6.4	54.4	83.1	53.0		
Brule		WI		88.8	BLED20120920ADG	91 33 59.50	157	519	State of Wisconsin - Educa				
06 --	W06DL-D	CP_DHN		161.5	147.85	45 12 59.70	3.000	8.5	8.9	17.4R	130.4M		
Merrill		WI		341.9	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)  
 < = Station meets FCC minimum distance spacing for its class.  
 < = Contour overlap  
 Reference station has protected zone issue: Canada

Protected zones report for NEW! on channel 207A 11-01-2021  
 Lat. 46 28 44.8 Lng. 90 08 51.6, ERP= 0.6 kw, HAAT= 118.08 m

\*\*\* Station must likely coordinate with Canada. Distance to border = 168.9 km.  
 Facility is okay with respect to AM station towers.

Closest AM Facility is WHRY, HURLEY, WI, L, ND1 at 187.3° at a distance of 7.1 km  
 Facility is okay with respect to FCC monitoring stations.

Closest FCC Monitoring Station is 544.3 km= Allegan, MI  
 Facility is okay toward West Virginia Quiet Zone. Distance to center = 1256.3 km  
 Facility is okay toward Table Mountain. Distance to Center = 1412.8 km,  
 Azimuth = 245.3 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.

COL 60dBu Contour: NEW! CH207 A , 0.6 kW, 118.1m HAAT, 541.7m COR AMSL

