

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

NCE-FM to replace W280DD Gospel Opportunities, Inc CH# 207A - 89.3 MHz, Pwr= 0.6 kw, HAAT= 118.1 M, COR= 541.7 M Average Protected F(50-50)= 17.76 km Omni-directional													DISPLAY DATES	
REFERENCE												DATA 10-27-21		
46 28 44.80 N.												SEARCH 11-02-21		
90 08 51.60 W.														
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

