



November 9, 2022

**W230DA New Holstein, WI - Facility ID: 201271
Fill In Translator for WLAK AM Facility ID: 6649
Minor Modification of Licensed Facility, FCC File No. 0000143108**

This is an application for CP to make a minor modification to W230DA New Holstein, WI (FAC ID 201271). The translator is an FM Fill-In translator for AM station WLAK 1520 kHz New Holstein, WI. The application proposes to change the translator frequency and relocate it 10 kilometers north, northwest of its present location to an existing communications tower, ASR 1035938.

47 C.F.R. Sections 74.1233(a)(1)(i)(A)(2)

A showing, labeled Exhibit 13, is attached with this application that shows this is a minor modification application that seeks a channel change to a non-adjacent, non-i.f. channel, in accordance with 74.1233(a)(1)(i)(A)(2). That showing also provides a desired to undesired signal analysis at the translator location to demonstrate compliance with 74.1204 with regard to adjacent protected signals that overlap the tower site.

47 C.F.R. Sections 74.1204, 74.1205, 74.1232, 74.1234, 74.1235

The table on the last sheet of this narrative shows the contour overlap values for the proposed translator in a Channel Study report. Interference protection to WKSZ



**W230DA New Holstein, WI – Facility ID: 201271
Minor Mod Application for CP, Narrative Sheet Two**

240C3 De Pere, WI, and WWWX 245A Oshkosh, is outlined in detail in Exhibit 13, discussed above. Interference protection in accordance with 74.1204 is demonstrated in contour to contour maps attached for all other protected stations where the proposed interfering contour comes within 16 kilometers of another station's protected contour.

A map is included to show compliance with 74.1232.

47 C.F.R. Section 1.1306

A Commission grant of Authorization for this location would not be an action which will have a significant environmental effect. The FCC FM Model software predicts the proposed facility will create a maximum power density near the ground of 1.67862 $\mu\text{W}/\text{cm}^2$ 19.2 meters out from the tower. This is less than 1% of the maximum power density for uncontrolled public access areas in accordance with OET Bulletin 65. The permittee/licensee in coordination with other users of the site will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Carl E. Gluck

Carl E. Gluck, CPBE



Channel Study for W230DA on Channel 243 D

REFERENCE CH# 243D - 96.5 MHz, Pwr= 0.25 kW DA, HAAT= 137.9 M, COR= 384.4 M DISPLAY DATES
 44 09 30.0 N. Average Protected F(50-50)= 15.1 km DATA 11-09-22
 88 17 03.0 W. Standard Directional SEARCH 11-09-22

CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
243B Milwaukee	WKLH	LIC	CN WI	165.4	121.85	43 05 48.00	20.000	129.2	65.8	-13.3*<	28.4
				345.6	BMLH20120730ACY	87 54 19.30	247	455	Lakefront Communications,		
245A Oshkosh	WWWX	LIC	CN WI	252.1	21.01	44 06 00.90	6.000	2.8	29.2	10.3	-8.4*<
				72.0	BLH19911129KB	88 32 02.40	100	333	Cumulus Licensing LLC		
240C3 De Pere	WKSZ	LIC	NCN WI	46.8	32.64	44 21 31.90	4.500	3.5	38.5	26.8	-5.9*<
				227.0	BLH19960529KC	87 59 07.30	236	479	Woodward Communications, I		
243D Shawano	W243CM	LIC	CN WI	338.4	74.42	44 46 48.90	0.250	37.2	10.9	21.7	12.9
				158.2	BLFT20161021ABH	88 37 52.40		320	Results Broadcasting Inc.		
242C2 Peshtigo	WSFQ	LIC	CN WI	17.5	112.43	45 07 18.90	49.000	76.1	50.5	25.5	46.6
				197.8	BLH19960805KB	87 51 07.40	147	346	Radio Plus Bay Cities, LLC		
296A Fond Du Lac	WFON	LIC	CN WI	190.8	36.14	43 50 20.00	6.000	0.0	0.0	10.0R	26.1M
				10.8	BMLH20030414AAR	88 22 08.40	91	360	Rbh Enterprises, Inc.		
241A Ripon	WTCX	LIC	ZCN WI	223.1	51.51	43 49 09.90	4.000	2.2	25.2	46.8	26.3
				42.8	BLH19950420KB	88 43 20.30	123	400	Radio Plus, Inc.		

Terrain database is 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= East Zone, Co to 3rd adjacent.
 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