



W297CU Amery, WI - Facility ID: 202401
Fill In Translator for WLAK AM Facility ID: 47079
Minor Modification of Licensed Facility, FCC File No. 0000087923

This is an application for a Construction Permit to make a minor modification to W297CU Amery, WI (FAC ID 202401). The translator is an FM Fill-In translator for AM station WLAK 1260 kHz Amery, WI. The application proposes to change the translator frequency and relocate it 21 kilometers southwest of its present location to an existing communications tower, ASR 1228427.

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

This application proposes a frequency change to a first adjacent channel and maintains 60 dBu contour overlap of the licensed facility and the proposed facility. It is therefore a minor modification application as defined by the rules (47 C.F.R. 74.1233(a)(1)(i)(A)(1)).

FCC 30 Meter Terrain Data

All coverage and contour calculations in this application were calculated using the FCC 30 Meter Terrain Data provided by V-Soft Communications. V-Soft says this dataset matches the elevation values that used by the FCC's TVStudy program when operating in a "1 arc-second" terrain resolution mode. That program uses a fallback mechanism

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where data from various sources (going from highest to lowest resolution) will be considered based on what is available. The source data used consists of:

CDED: 0.75-second Canada
CEM: 1-second Mexico
NED: 1- and 2-second U.S.
USGS: 3-second U.S.
SRTM: 3-second Canada and Mexico
GTOPO: 30-second global

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. The only authorized facility that has a protected contour within 16 kilometers of the proposed translator interfering contour is second adjacent KQQL (300C) Anoka, MN. A contour to contour map is attached to demonstrate compliance with section 74.1204 of the rules.

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 8.1134 $\mu\text{W}/\text{cm}^2$ 9.6 meters out from the tower. This is 4% 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

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operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

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Carl E. Gluck, CPBE



Channel Study for W297CU on Channel 298 D

REFERENCE CH# 298D - 107.5 MHz, Pwr= 0.25 kW, HAAT= 48.3 M, COR= 393.9 M DISPLAY DATES
 45 23 49.3 N. Average Protected F(50-50)= 9.1 km DATA 03-17-23
 92 25 11.9 W. Omni-directional SEARCH 03-21-23

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*
298C3 Elko New Market	AL6487	RSV-A	MN	215.6 35.0	115.83	44 32 48.87 93 16 10.80	25.000 100	116.7 409	41.8 From CDBS	-12.1*	37.0
297D Amery	W297CU	LIC	DCN WI	59.5 239.7	20.62 0000087923	45 29 26.80 92 11 32.70	0.250	20.9 477	13.8 Civic Media, Inc.	-8.9*	-5.4
300C Anoka	KQQL	LIC	CN MN	265.5 84.8	76.35 BLH20050812ABH	45 20 19.90 93 23 27.80	100.000 333	10.7 612	75.0 Ihm Licenses, LLC	55.7	0.1
298C1 Neillsville	WCCN-FM	LIC	CN WI	121.7 302.9	167.84 BLH19980513KC	44 35 29.90 90 37 09.50	100.000 176	157.6 504	60.6 Central Wisconsin Broadcas	0.6	76.2
298C2 Faribault	KBGY	LIC	NCN MN	209.1 28.5	150.44 BLH20010411AAH	44 12 41.90 93 20 18.80	48.000 120	135.7 457	50.6 Carpenter Broadcasting, LL	3.8	63.3
299D Rice Lake	W299CQ	LIC	CN WI	75.9 256.4	52.02 0000093928	45 30 30.80 91 46 26.60	0.250	25.1 535	16.7 Tkc, Inc.	18.9	24.3
298C1 Brainerd	KLIZ-FM	LIC	CN MN	308.1 126.8	171.34 BLH19781010AD	46 19 55.80 94 10 26.90	100.000 107	144.4 478	48.6 Hbi Radio Brainerd/wadena,	18.9	95.7
296C2 Coon Rapids	KTMV	LIC	NCN MN	236.8 56.3	67.63 BLH20020628ABW	45 03 44.90 93 08 21.80	22.000 179	5.1 454	47.5 Ktmy-Fm, LLC	51.6	18.9
298D Minneapolis	K298CO	LIC	DCN MN	238.5 57.8	86.14 BLFT20180227AAV	44 59 19.90 93 21 06.80	0.250	37.5 346	10.9 Salem Media Of Massachuset	37.9	39.2

Terrain database is FCC 30 meter, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
 In & Out distances between contours are shown at closest points. Reference Zone= - Zone 2, 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.
 Reference station has protected zone issue: Canada