

47 C.F.R. Section 74.1233(a)(1) "Showing of Reduced Interference"

Present Operation W239CD - Beloit, WI

Pursuant to 47 C.F.R. Section 74.1233(a)(1)(i)(A)(2), this showing of reduced interference to or from any other broadcast station as a remedial change to a same-band frequency has been demonstrated for W239CD - Beloit, WI (Facility ID: 155647). *Given the presence of a 47 C.F.R. Section 74.1204(d) Second and Third Adjacent Channel Given Interference Waiver Request, this showing has been made solely with regard to incoming (received) interference contour clearance to the nearest co-channel or first adjacent channel protections.* The present W239CD operation results in -31.3 km, -26.0 km and -5.5 km of predicted received contour overlap to its nearest allocation protections (see attached **Present Operation Study**). The proposed CH234D operation reduces predicted received contour overlap to -5.5 km and -2.5 km toward its nearest allocation protections (see attached **Proposed Operation Study**). As a result, predicted interference will be reduced for this remedial same-band frequency change.

David R. Magnum											
REFERENCE		CH# 239D - 95.7 MHz, Pwr= 0.25 kW, HAAT= 0.0 M, COR= 256 M							DISPLAY DATES		
42 31 44.10 N.		Average Protected F(50-50)= 7.09 km							DATA 05-25-21		
89 00 14.40 W.		Omni-directional							SEARCH 05-25-21		
CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
239B Milwaukee	WRIT-FM	LIC_CN WI		54.5 235.3	108.51 BLH20000606ACL	43 05 24.00 87 54 55.30	34.000 186	132.7 399	64.5 Ihm Licenses, LLC	-31.3*	8.4
239D Beloit	W239CD	LIC_CN WI		0.0 0.0	0.00 BLFT20161230AAM	42 31 44.10 89 00 14.40	0.250	256	---Reference--- David R. Magnum		
239A Oregon	WSEY	LIC_CN IL		214.0 33.8	61.20 BLH19990809KB	42 04 19.10 89 25 08.40	3.200 109	80.0 355	26.4 Nrg License Sub, LLC	-26.0*	10.9
240A Stoughton	WBKY	CP_CN WI		326.8 146.6	43.27 BPH20190719AAE	42 51 15.00 89 17 41.40	2.650 153	41.7 438	27.4 Magnum Communications, Inc	-5.5	5.6
238D Monroe	W238CB	LIC_CN WI		275.6 95.1	56.66 BLFT20160105AAC	42 34 36.00 89 41 34.40	0.250	24.0 436	16.0 Big Radio	25.6	30.5
238B Chicago	WCHI-FM	LIC_CN IL		121.2 302.1	133.54 BLH20150622AFL	41 53 56.10 87 37 23.20	5.300 425	77.4 606	65.0 Ihm Licenses, LLC	49.1	54.4
238L1 Madison	WWMV-LP	LIC_CN WI		325.9 145.6	72.27 BLL20170519ABI	43 03 59.10 89 30 08.30	0.100 28	332	57.2 Lussier Community Educatio		55.1
240A Aurora	WERV-FM	LIC_CN IL		144.0 324.5	104.02 BMLH20010314AAF	41 46 09.10 88 16 02.30	2.850 103	36.5 318	24.1 Alpha Media Licensee LLC D	60.5	69.6
239A Seneca	WJDK-FM	LIC_CN IL		165.1 345.4	150.48 BLH19971204KD	41 13 12.10 88 32 27.20	3.000 100	78.4 294	25.7 Grundy County Broadcasters	65.0	101.0
239C2 La Crosse	WRQT	LIC_CN WI		304.3 122.7	222.17 BMLH20080111ADD	43 37 56.90 91 17 06.50	50.000 150	138.6 417	52.9 Family Radio, Inc.	76.5	144.9
240A Portage	WBKY	LIC_CN WI		339.7 159.3	131.63 BLH19990804KF	43 38 16.90 89 34 16.40	5.400 98	45.4 356	29.5 Magnum Communications, Inc	79.2	92.0
240D Evanston	W240DE	LIC_CN IL		114.9 295.6	101.61 BLFT20161227AAD	42 08 20.50 87 53 08.90	0.080	7.5 248	5.3 Polnet Communications, Ltd	87.0	85.7

Terrain database is FCC NGDC 30 Sec , 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= East Zone, Co to 1st adjacent.
All separation margins (if shown) include rounding.
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.

47 C.F.R. Section 74.1233(a)(1) "Showing of Reduced Interference"

Proposed Operation CH234D - Beloit, WI

Pursuant to 47 C.F.R. Section 74.1233(a)(1)(i)(A)(2), this showing of reduced interference to or from any other broadcast station as a remedial change to a same-band frequency has been demonstrated for W239CD - Beloit, WI (Facility ID: 155647). *Given the presence of a 47 C.F.R. Section 74.1204(d) Second and Third Adjacent Channel Given Interference Waiver Request, this showing has been made solely with regard to incoming (received) interference contour clearance to the nearest co-channel or first adjacent channel protections.* The present W239CD operation results in -31.3 km, -26.0 km and -5.5 km of predicted received contour overlap to its nearest allocation protections (see attached **Present Operation Study**). The proposed CH234D operation reduces predicted received contour overlap to -5.5 km and -2.5 km toward its nearest allocation protections (see attached **Proposed Operation Study**). As a result, predicted interference will be reduced for this remedial same-band frequency change.

REFERENCE		CH# 234D - 94.7 MHz, Pwr= 0.13 kW, HAAT= 117.0 M, COR= 374.6 M								DISPLAY DATES	
42 33 12.00 N.		Average Protected F(50-50)= 11.83 km								DATA 05-25-21	
88 57 42.00 W.		Omni-directional								SEARCH 05-25-21	
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)	
234B	WLS-FM	LIC_CN		124.0	132.45	41 52 44.00	4.400	127.3	65.7	-5.5	15.8
Chicago		IL		304.9	0000140705	87 38 08.00	468	649	Radio License Holdings LLC		
235B	WOLX-FM	LIC_CN		330.2	112.34	43 25 39.90	37.000	102.3	84.0	-2.5	1.6
Baraboo		WI		149.7	BLH4952	89 39 14.40	396	686	Entercom License, LLC		
233D	W233AD	LIC_CN		196.0	33.18	42 15 59.10	0.038	10.0	6.9	10.2	6.7
Rockford		IL		16.0	BLFT20190703ADR	89 04 23.40		293	Family Stations, Inc.		
233B	WTKI	LIC_CN		54.9	105.09	43 05 29.00	14.000	76.2	64.9	17.6	16.2
Milwaukee		WI		235.7	BLH19991020ABM	87 54 07.30	291	498	Good Karma Brands Milwaukee		
235A	WDKB	LIC_CN		175.4	67.38	41 56 57.10	3.000	37.9	25.0	17.4	24.6
Dekalb		IL		355.4	BLH19980109KC	88 53 44.30	100	361	Long Nine, Inc.		
234A	KMCN	LIC_CN		235.9	126.22	41 54 34.10	3.000	79.7	26.5	33.5	56.2
Clinton		IA		55.0	BLH19980909KD	90 13 28.50	100	307	Gendreau Broadcast LLC		
233D	W233CN	LIC_CN		326.0	63.30	43 01 29.00	0.250	10.4	7.3	40.2	36.0
Madison		WI		145.7	BLFT20171010AED	89 23 48.40		320	Mid-West Management Inc.,		
234A	KMCH	LIC_CN		270.0	198.24	42 31 41.90	6.000	87.2	28.5	99.0	127.9
Manchester		IA		88.4	BLH19911227KB	91 22 53.50	100	412	Coloff Media, LLC		
233L1	WRWO-LP	LIC_CN		175.8	134.32	41 20 54.10	0.100			114.1	111.1
Ottawa		IL		355.8	BLL20170808AAF	88 50 34.20	-10	171	Here And Again		
234C3	WZOR	LIC_ZCN		25.1	220.29	44 20 30.00	21.500	94.3	30.4	114.7	150.8
Mishicot		WI		205.9	BLH20010724ABO	87 47 10.30	108	352	Woodward Communications, I		
235B	WAAG	LIC_CN		213.1	212.63	40 56 34.10	50.000	75.1	62.3	124.3	122.2
Galesburg		IL		32.2	BLH20010615AMM	90 20 39.50	150	375	Galesburg Broadcasting Com		

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