

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

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.

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	WXTI	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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