

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

Present Operation W256DW.C - Menominee, MI

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 W256DW.C - Menominee, MI (Facility ID: 144593). The present W256DW.C operation results in a worst case -19.2 km of predicted co-channel received contour overlap to its nearest allocation protection; in addition to lesser given or received contour overlaps from three (3) other facilities (see attached **Present Operation Study**). The proposed CH291D.P operation reduces predicted received contour overlap to only -18.4 km from one single first adjacent channel facility (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#	256D - 99.1 MHz, Pwr= 0.055 kW, HAAT= 0.0 M, COR= 238 M							DISPLAY DATES		
45 03 57.90 N.		Average Protected F(50-50)= 4.83 km							DATA	07-07-21	
87 39 55.40 W.		Omni-directional							SEARCH	07-07-21	
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)
256D	W256DW	CP	CN	0.0	0.00	45 03 57.90	0.055		---Reference---		
Menominee		MI		76.9	BNPFT20180808AAO	87 39 55.40		238	David R. Magnum		
256C1	WIKB-FM	LIC	CN	329.7	133.65	46 06 02.80	60.000	146.6	57.5	-19.2*	55.8
Iron River		MI		149.1	BLH19960429KE	88 32 23.40	150	617	Iron River Community Broad		
257C3	WOWN	LIC	ZCN	236.8	63.03	44 45 13.90	14.000	60.9	40.9	-4.1	13.0
Shawano		WI		56.4	BLH19930726KZ	88 20 01.30	134	390	Results Broadcasting Inc.		
259C2	WDKF	LIC	CN	176.4	47.96	44 38 07.90	46.000	5.6	49.9	35.5	-2.4*
Sturgeon Bay		WI		356.4	BLH19910211KD	87 37 37.30	156	373	Midwest Communications In		
253C1	WQLH	LIC	CN	218.6	59.80	44 38 40.90	100.000	7.5	60.8	45.6	-1.5*
Green Bay		WI		38.3	BMLH19910422KJ	88 08 13.30	152	367	Cumulus Licensing LLC		
255D	W255AQ	LIC	CN	137.1	34.23	44 50 24.90	0.055	9.9	6.9	17.6	17.6
Sturgeon Bay		WI		317.3	BLFT20120918AEK	87 22 10.30	40	238	Reynolds, Del M		
257C2	WLLS	LIC	HN	112.6	128.98	44 36 38.00	50.000	78.8	52.8	43.4	66.5
Beulah		MI		293.6	BLH20110224AAJ	86 09 38.30	131	341	N Content Marketing, LLC		
255D	W255CB	LIC	CN	9.9	70.31	45 41 20.80	0.027	8.7	6.2	55.2	55.8
Powers		MI		190.0	BLFT20080616ACZ	87 30 37.40	65	321	Wrvm, Inc.		
254D	W254DY/W2	CP	CN	9.6	66.20	45 39 11.39	0.055	0.5	6.2	59.3	59.4
Powers		MI		189.7	0000133764	87 31 23.78	65	292	Wrvm, Inc.		
255A	WEMP	LIC	CN	183.8	120.54	43 59 03.00	6.000	39.4	25.6	74.3	84.1
Two Rivers		WI		3.7	BLH20131210BQU	87 45 55.30	89	310	Seehafer Broadcasting Corp		
256D	W256DD	LIC	CN	214.3	124.41	44 08 18.60	0.250	39.3	11.5	78.5	90.9
Oshkosh		WI		33.7	BLFT20171010AAH	88 32 40.70		310	Woodward Communications, I		
254D	W254AG	LIC	CN	26.4	91.50	45 48 07.80	0.250	1.1	7.5	83.7	82.7
Escanaba		MI		206.8	BLFT20180810AAN	87 08 26.40		241	Great Lakes Radio, Inc.		
256B	WMYX-FM	LIC	CN	187.8	237.86	42 56 44.10	50.000	138.0	65.3	93.0	139.7
Milwaukee		WI		7.5	BMLH19860225KC	88 03 39.30	137	377	Entercom License, LLC		

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 3rd 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 CH291D.P - Menominee, MI

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 W256DW.C - Menominee, MI (Facility ID: 144593). The present W256DW.C operation results in a worst case -19.2 km of predicted co-channel received contour overlap to its nearest allocation protection; in addition to lesser given or received contour overlaps from three (3) other facilities (see attached **Present Operation Study**). The proposed CH291D.P operation reduces predicted received contour overlap to only -18.4 km from one single first adjacent channel facility (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#	291D - 106.1 MHz, Pwr= 0.25 kW, HAAT= 10.8 M, COR= 195.1 M							DISPLAY DATES	
45 03 58.00 N.			Average Protected F(50-50)= 7.09 km							DATA 07-07-21	
87 39 55.00 W.			Omni-directional							SEARCH 07-07-21	
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)
292C2	WGMV	LIC	CN	19.2	68.00	45 38 35.90	50.000	79.4	53.3	-18.4*	4.6
Stephenson		MI		199.4	BLH19990721KD	87 22 37.50	150	373	Amc Partners Escanaba, LLC		
289C0	WAPL	LIC	CN	197.9	82.59	44 21 32.00	100.000	11.1	77.2	64.4	4.3
Appleton		WI		17.7	BMLH20050610AGX	87 59 07.40	358	597	Woodward Communications, I		
291C3	WACD	LIC	NCN	272.7	116.83	45 06 22.90	10.000	93.5	30.4	16.2	61.7
Antigo		WI		91.7	BLH19971022KD	89 09 09.40	84	527	Results Broadcasting Inc.		
294C3	WKRU	LIC	NCN	198.4	68.15	44 29 02.90	25.000	4.5	42.5	56.6	24.1
Allouez		WI		18.2	BLH19970102KA	87 56 12.30	100	315	Cumulus Licensing LLC		
292D	W292DR	LIC	CN	197.9	82.59	44 21 32.00	0.250	23.6	15.6	52.0	55.7
Wrightstown		WI		17.7	BMLFT20171020AAB	87 59 07.00	135	378	Woodward Communications, I		
288C3	WGKL	LIC	NCN	25.0	90.71	45 48 16.90	10.000	3.5	35.0	80.2	54.6
Gladstone		MI		205.3	BLH20001204AID	87 10 15.50	115	334	Amc Partners Escanaba, LLC		
294C3	WHTO	LIC	ZCN	340.8	88.93	45 49 14.80	6.100	2.4	30.2	79.5	54.7
Iron Mountain		MI		160.5	BMLH20160713ABP	88 02 36.50	206	548	Results Broadcasting Of Ir		
291D	W291CM	LIC	CN	212.2	101.97	44 17 18.00	0.013	23.8	7.1	71.0	71.1
Appleton		WI		31.8	BLFT20160415AAB	88 20 56.00		342	Educational Media Foundati		
290D	W290CO	LIC	VN	340.5	90.82	45 50 07.10	0.070	7.4	5.2	76.3	74.2
Iron Mountain		MI		160.2	BLFT20161125AAK	88 03 26.30		359	Wrvm, Inc.		
291B	WMIL-FM	LIC	CN	185.1	219.85	43 05 46.00	12.000	126.1	66.0	86.6	118.2
Waukesha		WI		4.9	BLH20070606ABQ	87 54 15.30	304	503	Ihm Licenses, LLC		
290C1	WKHQ-FM	LIC	CN	85.5	201.84	45 10 49.00	100.000	103.1	70.7	91.7	120.9
Charlevoix		MI		267.3	BMLH20060907ABO	85 05 50.20	272	498	Macdonald Garber Broadcast		
292D	W292FA	LIC	DCN	214.5	124.40	44 08 24.10	0.250	11.7	8.3	105.7	105.4
Oshkosh		WI		33.8	BLFT20171020AAA	88 32 50.40		320	Woodward Communications, I		
293C1	WYTE	LIC	CN	255.6	178.72	44 38 38.90	100.000	9.3	68.3	162.4	109.3
Marshfield		WI		74.0	BMLH20131104ABU	89 51 12.40	244	596	Nrg License Sub, LLC		

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