

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

Present Operation W292EM - Lafayette, IN

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 W292EM - Lafayette, IN (Facility ID: 140803). The present operation results in -44.7 km of predicted co-channel received contour overlap from its worst case allocation concern (see attached *Present Operation Study*). The proposed CH232D operation eliminates all predicted received contour overlap (see attached *Proposed Operation Study*). As a result, the potential for predicted interference will be reduced for this remedial same-band frequency change.

CSN International											
REFERENCE		CH# 292D - 106.3 MHz, Pwr= 0.003 kW, HAAT= 27.5 M, COR= 223 M								DISPLAY DATES	
40 25 05.10 N.		Average Protected F(50-50)= 2.38 km								DATA 02-19-20	
86 53 08.00 W.		Omni-directional								SEARCH 02-19-20	
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)	
292A	WCDQ	LIC	___	185.7	40.52	40 03 19.20	3.400	82.9	27.9	-44.7*<	5.2
Crawfordsville		IN	___	5.6	BMLH19991129AAG	86 55 57.00	134	374	C.V.L. Broadcasting, Inc.		
294A	WLQQ	LIC	___	324.7	14.19	40 31 20.10	6.000	2.8	29.1	9.0	-15.1*<
West Lafayette		IN	___	144.7	BMLH20171030ABA	86 58 57.00	100	307	Woof Boom Radio Lafayette		
292D	W292EM	CP	___	0.0	0.00	40 25 05.10	0.006		---	Reference---	
Lafayette		IN	___	0.0	BFPT20171004AAE	86 53 08.00		226	CSN International		
292D	W292EM	LIC	___	0.0	0.00	40 25 05.10	0.003		---	Reference---	
Lafayette		IN	___	0.0	BLFT20161220ABK	86 53 08.00	28	223	CSN International		
291A	VA9748	VAC	___N	303.9	43.40	40 38 05.14	6.000	44.1	28.5	-3.0*<	11.6
Fowler		IN	___	123.6		87 18 46.06	100	335			
290D	W290CM	LIC	___	185.7	13.50	40 17 50.10	0.220	1.0	14.4	10.1	-1.0*<
Lafayette		IN	___	5.7	BLFT20161020ABR	86 54 05.00		325	Purdue University		
292A	WGCY	LIC	___	278.0	124.62	40 33 57.10	6.000	86.1	27.9	36.1	89.3
Gibson City		IL	___	97.1	BLH19960903KD	88 20 48.10	98	333	F & G Broadcasting, Inc.		
289B	WYXB	LIC	Z___	133.7	104.21	39 46 03.20	50.000	6.0	65.6	95.8	38.3
Indianapolis		IN	___	314.2	BLH20030403AAC	86 00 11.90	150	398	Emmis Radio License, LLC		
295B	WXXC	LIC	___	78.7	105.85	40 35 52.10	50.000	6.0	65.5	97.5	40.1
Marion		IN	___	259.5	BLH19830418AS	85 39 20.90	152	408	Hoosier AM/fm, LLC		
291D	W291AM	LIC	___	85.5	63.87	40 27 38.10	0.170	9.2	6.4	52.3	54.1
Kokomo		IN	___	266.0	BLFT19991102ABR	86 07 57.90	23	275	The Trustees Of Indiana Un		
293A	WXNU	LIC	N___	314.0	94.44	41 00 20.10	1.950	37.9	25.1	54.2	66.0
St. Anne		IL	___	133.5	BLH20060502AEB	87 41 42.10	141	336	Staradio Corp.		
292A	WSRB	LIC	Z___	337.0	140.47	41 34 44.10	4.100	82.5	27.3	55.6	105.8
Lansing		IL	___	156.5	BLH20031219AAA	87 32 47.20	121	309	Dontron, Inc.		
293D	W293AF	LIC	___	243.0	71.08	40 07 30.10	0.055	7.7	5.5	60.5	61.5
Danville		IL	___	62.5	BLFT19950905TC	87 37 49.00	42	236	The Board Of Trustees Of T		

Terrain database is NED 03 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.
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.
< = Contour Overlap

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

Proposed Operation CH232D - Lafayette, IN

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 W292EM - Lafayette, IN (Facility ID: 140803). The present operation results in -44.7 km of predicted co-channel received contour overlap from its worst case allocation concern (see attached **Present Operation Study**). The proposed CH232D operation eliminates all predicted received contour overlap (see attached **Proposed Operation Study**). As a result, the potential for predicted interference will be reduced for this remedial same-band frequency change.

CSN International											
REFERENCE		CH#	232D	- 94.3 MHz, Pwr= 0.25 kW DA, HAAT= 28.0 M, COR= 226 M						DISPLAY DATES	
40 25 05.60 N.		Average Protected F(50-50)= 7.09 km						DATA 02-19-20			
86 53 08.00 W.		Standard Directional						SEARCH 02-19-20			
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	WFBQ	LIC	___	134.8	82.23	39 53 43.10	58.000	7.6	74.6	67.5	6.0
Indianapolis		IN	___	315.2	BLH19980707KB	86 12 04.00	245	502	Capstar Tx, LLC		
231B	WGFA-FM	LIC	___	299.9	84.40	40 47 37.10	50.000	69.9	57.2	7.4	13.0
Watseka		IL	___	119.4	BLH19970711KC	87 45 17.10	111	305	Iroquois County Broadcasti		
233D	W233BT	LIC	___	13.0	37.90	40 45 01.10	0.027	9.8	6.9	20.9	20.6
Monticello		IN	___	193.1	BLFT20160419ABD	86 47 03.00		292	CSN International		
232B1	WZOC	LIC	___	22.6	133.93	41 31 42.20	11.500	103.4	43.6	23.6	62.6
Plymouth		IN	___	203.0	BLH20140124ALI	86 15 58.00	150	395	Wsjm, Inc.		
232A	WREB	LIC	___	180.4	84.23	39 39 38.10	3.000	53.3	13.2	23.9	47.3
Greencastle		IN	___	0.4	BLH3278	86 53 34.00	49	285	The Original Company, Inc		
235A	WRHK	LIC	___	242.3	57.20	40 10 40.10	6.000	3.0	31.2	46.8	25.2
Danville		IL	___	61.9	BLH19930415KA	87 28 55.10	100	295	Neuhoff Media Danville, LL		
233B	WLRW	LIC	___	255.2	123.50	40 07 35.10	50.000	76.3	63.4	39.3	44.0
Champaign		IL	___	74.3	BLH20051107ABO	88 17 25.20	138	357	Saga Communications Of Ill		
229A	WFRR	LIC	___	60.1	68.98	40 43 31.10	6.000	2.7	28.3	59.1	39.6
Walton		IN	___	240.6	BLH19951120KB	86 10 32.90	100	324	Christian Friends Broadcas		
232D	W232DM	CP	D	142.1	97.34	39 43 32.20	0.250	43.2	12.6	47.0	61.0
Indianapolis		IN	___	322.5	BNPFT20171204ADJ	86 11 08.00		323	Continental Broadcast Grou		
235D	W235CU	LIC	___	52.2	61.23	40 45 17.10	0.250	1.1	11.0	53.0	49.1
Logansport		IN	___	232.5	BLFT20170804AAP	86 18 41.00		286	Mid-America Radio Group, I		
230B1	WNDX	LIC	N	130.2	101.13	39 49 39.10	8.400	3.6	42.8	90.4	56.8
Lawrence		IN	___	310.8	BLH20120301AEG	85 58 50.90	140	393	Radio License Holding Src		
232A	WIFE-FM	LIC	___	123.3	142.38	39 42 22.20	1.050	72.8	24.4	62.5	94.2
Rushville		IN	___	304.2	BMLH20000913AAR	85 29 40.90	171	462	Rodgers Broadcasting Corp.		
232L1	WIWU-LP	LIC	___	83.3	103.74	40 31 15.10	0.100		78.1	74.4	
Marion		IN	___	264.1	BLL20071001AJP	85 39 58.90	25	281	Indiana Wesleyan Universit		
285A	WAXI	LIC	___	204.7	84.43	39 43 38.10	1.700	18.8	12.7	9.5R	74.9M
Rockville		IN	___	24.5	BLH20160421AAO	87 17 56.10	134	317	Dlc Media, Inc.		

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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)
« = Station meets FCC minimum distance spacing for its class.
< = Contour Overlap