

# Channel Study

REFERENCE		CH# 293D - 106.5 MHz, Pwr= 0.099 kW, HAAT= 47.4 M, COR= 292 M								DISPLAY DATES	
42 58 16.1 N.		Average Protected F(50-50)= 7.0 km								DATA 03-04-13	
83 38 54.2 W.		Omni-directional								SEARCH 03-05-13	
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*
293D Flint	629825	APP	C	324.7	6.09	43 00 57.0	0.170	21.5	6.4	-23.5*	-27.2*
			MI	144.7	BNPFT20030313BDF	83 41 30.0	22	258	Educational Media Foundati		
294B Detroit	WDTW-FM	LIC	CN	145.0	86.54	42 19 55.0	61.000	79.9	66.2	1.0	9.1
			MI	325.4	BMLH19890804KA	83 02 42.0	155	338	Amfm Radio Licenses, L.l.c		
292D Linden	W292DA	LIC	C	214.4	19.68	42 49 30.0	0.055	9.6	6.7	4.0	4.3
			MI	34.3	BLFT20070827AEG	83 47 05.0	47	315	Educational Media Foundati		
290B Detroit	WDMK	LIC	DCN	146.5	66.55	42 28 16.0	20.000	5.0	59.5	55.9	5.7
			MI	326.8	BLH19840619CK	83 12 03.0	221	429	Radio One Of Detroit, Llc		
292A Saginaw	WGER	LIC	ZCX	336.5	61.32	43 28 36.0	4.400	43.1	28.1	10.1	21.7
			MI	156.3	BLH20040713AAC	83 57 06.0	116	299	Nm Licensing Llc		
296A Saginaw	WTLZ	LIC	CN	332.9	47.85	43 21 14.0	4.900	2.7	28.2	37.0	18.9
			MI	152.7	BMLH19900416KA	83 55 06.0	110	294	Nm Licensing Llc		
293B Kalamazoo	WVFM	LIC	NCX	250.5	160.13	42 28 35.0	33.000	131.3	63.6	21.6	61.2
			MI	69.2	BLH20060726ANY	85 29 05.0	183	452	Midwest Communications, In		
291B Charlotte	WJXQ	LIC	CX	231.4	102.55	42 23 31.0	49.000	6.0	65.3	90.0	35.8
			MI	50.7	BLH20060103ABP	84 37 22.0	151	442	Midwest Communications, In		
291B Charlotte	AL4309	RSV-A		231.3	102.61	42 23 28.0	50.000	6.0	65.1	90.0	36.2
			MI	50.7	RM11134	84 37 22.0	150	438			
292D Westland	W292DK	LIC	DC	146.1	69.94	42 26 53.0	0.099	23.9	15.8	40.4	46.1
			MI	326.4	BLFT20120607AAA	83 10 23.0		462	Educational Media Foundati		
292B Sarnia	CHKS-FM«	USE	?CN	95.9	103.03	42 52 09.0	50.000	74.6	61.8	61.5R	41.5M
			ON	276.8		82 23 38.0	124	314			
292B Sarnia	R29991«	DEL		93.3	107.11	42 54 31.0	50.000	78.2	65.0	61.5R	45.6M
			ON	274.2		82 20 19.0	150	338			
296A Ann Arbor	WQKL	LIC	CN	185.7	77.37	42 16 41.0	3.000	2.0	20.3	69.8	56.4
			MI	5.7	BLH19911119KA	83 44 32.0	88	350	Cumulus Licensing Llc		
295D Haslett	641599	APP	C	250.4	67.64	42 45 53.0	0.013	0.3	6.7	60.2	60.3
			MI	69.9	BNPFT20030317BGU	84 25 38.0	119	380	Educational Media Foundati		
296D Detroit	W296CG	LIC	C	142.8	71.43	42 27 31.0	0.038	0.4	5.5	65.4	65.3
			MI	323.1	BLFT20120725ADM	83 07 18.0		264	Educational Media Foundati		

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 Terrain database is NGDC 30 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 protected contour.  
 < = Station meets FCC minimum distance spacing for its class.  
 < = Contour Overlap  
 Reference station has protected zone issue:

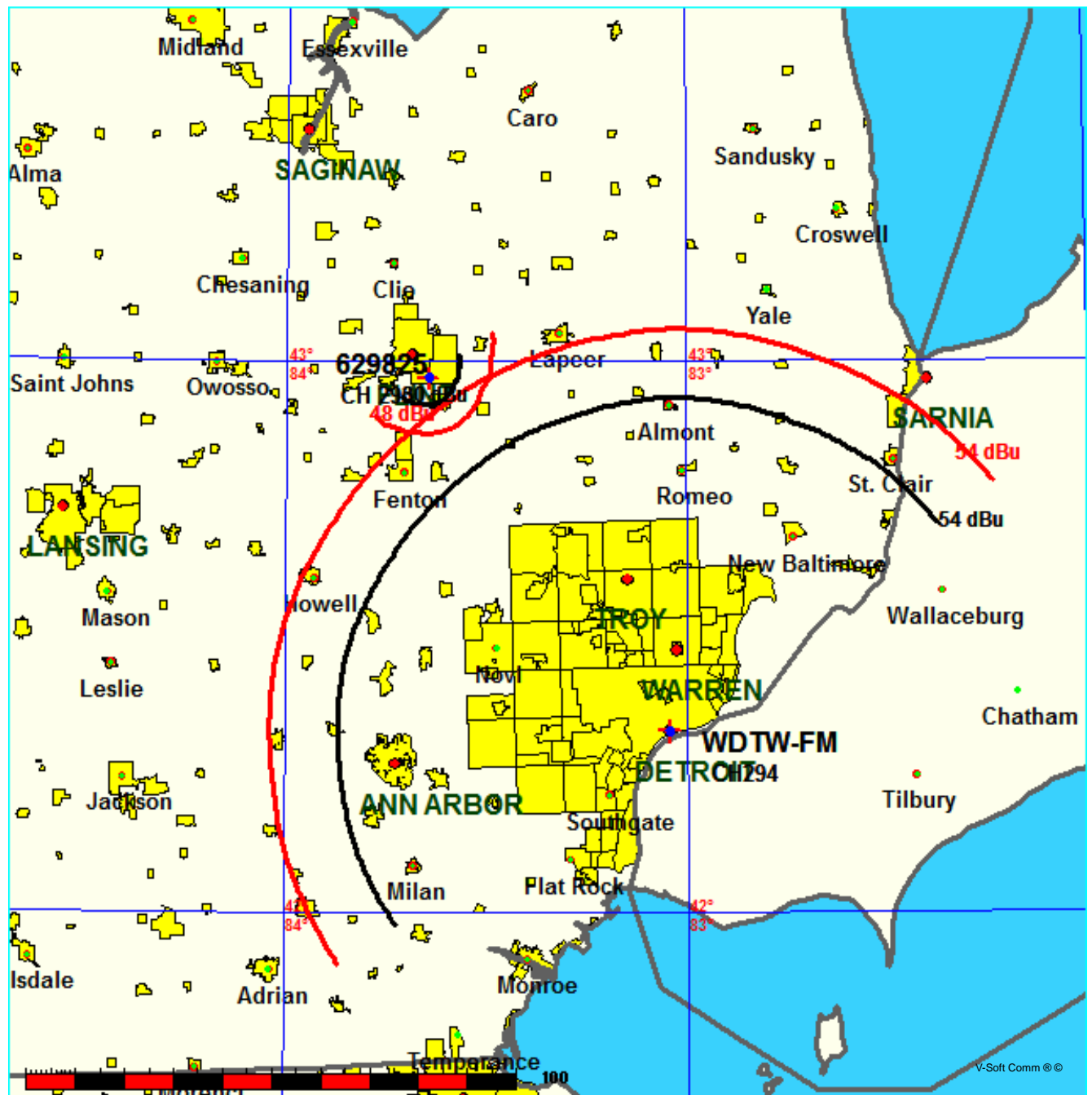
FMCommander Single Allocation Study - 03-14-2013 - NGDC 30 SEC  
629825's Overlaps (In= 0.98 km, Out= 9.06 km)

629825 CH 293 D

Lat= 42 58 16.1, Lng= 83 38 54.2  
0.099 kW 47.4 M HAAT, 292 M COR  
Prot.= 60 dBu, Intef.= 48 dBu

WDTW-FM CH 294 B BMLH19890804KA

Lat= 42 19 55.0, Lng= 83 02 42.0  
61.0 kW 155 M HAAT, 338 M COR  
Prot.= 54 dBu, Intef.= 54 dBu



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FMCommander Single Allocation Study - 03-14-2013 - NGDC 30 SEC  
629825's Overlaps (In= 4.01 km, Out= 4.34 km)

629825 CH 293 D

Lat= 42 58 16.1, Lng= 83 38 54.2  
0.099 kW 47.4 M HAAT, 292 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

W292DA CH 292 D BLFT20070827AEG

Lat= 42 49 30.0, Lng= 83 47 05.0  
0.055 kW 46.7 M HAAT, 315 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

