

Technical Exhibit  
Minor Amendment to Decatur 243D  
236m RC-AMSL 55.5m Highest Radial  
30m AGL  
80 Watts

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### Interference Compliance

Contour protection, as required by C.F.R. Section 74.1204 to co-channel, first and second adjacent channels is demonstrated herein by Figures 1 and 2.

### RF Electromagnetic Exposure Analysis

The proposed facility will not have a significant environmental impact and complies with maximum permissible radio frequency electromagnetic exposure limits for a controlled environment, in accordance with OET Bulletin No. 65.

Using a worst case assumption of maximum downward radiation ( $F=1.0$ ) the RF exposure at 2m above ground level is  $6.81833 \mu\text{W}/\text{cm}^2$  or 3.4% of the controlled standard. With the addition of this RF the site remains within the limits of the uncontrolled standard.

RF warning signs will be posted. The power will be reduced or shut off to allow necessary access to the tower.

Figure 1

REFERENCE		Minor Amendment to Decatur 243D							DISPLAY DATES		
39 51 04.9 N.		CH# 243D - 96.5 MHz, Pwr= 0.08 kW, HAAT= 44.7 M, COR= 235.7 M							DATA 07-17-13		
89 05 57.7 W.		Average Protected F(50-50)= 6.21 km							SEARCH 07-20-13		
		Omni-directional									
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)	
243D	636350	APP _C_		95.9	6.87	39 50 42.0	0.070	22.7	6.4	-21.9*	-21.0
Decatur		IL		275.9	BNPFT20030317ADS	89 01 10.0	37	235	Covenant	Network	
242A	WLCN	LIC NCX		342.2	45.82	40 14 39.0	6.000	41.8	27.0	-2.9	8.8
Atlanta		IL		162.1	BLH20070926AOE	89 15 51.0	81	276	Km Radio Of Atlanta, L.L.C		
240A	WEZC	LIC NCX		23.0	29.44	40 05 43.0	6.000	2.7	27.7	20.7	1.1
Clinton		IL		203.1	BMLH20080304ACD	88 57 51.0	94	308	Kaskaskia Broadcasting, Inc		
241D	628616	APP DV_		93.1	12.49	39 50 43.0	0.250	1.0	6.8	5.2	4.3
Decatur		IL		273.2	BNPFT20030312BBE	88 57 13.0	30	232	The Cromwell Group, Inc.		0
245B	WLBH-FM	LIC _CN		120.5	72.72	39 31 02.0	50.000	6.2	66.9	60.3	4.4
Mattoon		IL		301.0	BLH6155	88 22 13.0	152	361	Mattoon Broadcasting Compa		
244A	WCVS-FM	LIC _CX		248.6	65.83	39 38 02.0	6.000	46.0	29.8	12.2	25.0
Virden		IL		68.2	BLH20040414ABX	89 48 50.0	100	290	Neuhoff Family Limited Par		
243D	W243CR	LIC _C_		282.5	42.02	39 55 55.0	0.040	16.7	5.1	18.1	12.6
Williamsville		IL		102.2	BLFT20110318AEE	89 34 46.0	44	218	Covenant	Network	
244A	WIHN	LIC _CN		4.6	69.59	40 28 34.0	3.900	45.3	29.7	17.7	30.5
Normal		IL		184.6	BLH19920430KG	89 02 02.0	125	362	Connoisseur Media Li censes		
243A	WZPN	LIC NCN		323.8	113.12	40 40 10.0	4.300	86.8	29.8	19.2	59.5
Farmington		IL		143.3	BLH19971113KC	89 53 31.0	115	313	Advanced Media Partners, L		
242D	W242BZ	LIC _C_		199.9	47.12	39 27 08.0	0.250	18.0	12.2	22.0	24.6
Taylorville		IL		19.8	BLFT20121010AAG	89 17 10.0		270	Miller Communications, Inc		
246D	W246BD	LIC _C_		20.8	36.26	40 09 23.2	0.038	0.4	6.3	29.7	29.3
Clinton		IL		200.9	BLFT20101116ACR	88 56 51.5	57	277	Good News Radio, Inc.		
243D	W243AM	LIC _C_		119.3	73.16	39 31 40.0	0.140	36.5	10.7	30.5	43.3
Mattoon		IL		299.7	BMLFT20110601AIQ	88 21 23.0	82	288	The Cromwell Group, Inc.		0
246D	644740	APP _C_		326.8	40.57	40 09 23.0	0.170	0.9	6.4	32.6	33.5
Lincoln		IL		146.6	BNPFT20030317ANP	89 21 40.0	28	205	Covenant	Network	
246D	629344	APP _C_		323.1	40.43	40 08 30.0	0.055	0.5	6.5	32.8	33.3
Lincoln		IL		142.9	BNPFT20030310AEC	89 23 07.0	57	232	Cornerstone Community Radi		
243B	WAZY-FM	LIC _CN		69.9	177.83	40 23 02.0	50.000	138.0	65.3	34.0	84.9
Lafayette		IN		251.1	BLH7632	87 07 55.0	152	352	Artistic Media Partners, I		

Terrain database is 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 protected contour.

Figure 2  
Minor Amendment to Decatur 243D

FMCommander Single Allocation Study - 07-20-2013 - NGDC 30 SEC  
636350's Overlaps (In= 20.68 km, Out= 1.14 km)

636350 CH 243 D  
Lat= 39 51 04.9, Lng= 89 05 57.7  
0.08 kW 44.7 M HAAT, 235.7 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

WEZC CH 240 A 73.215 N BMLH20080304ACD  
Lat= 40 05 43.0, Lng= 88 57 51.0  
6.0 kW 94 M HAAT, 307.6 M COR  
Prot.= 60 dBu, Intef.= 100 dBu

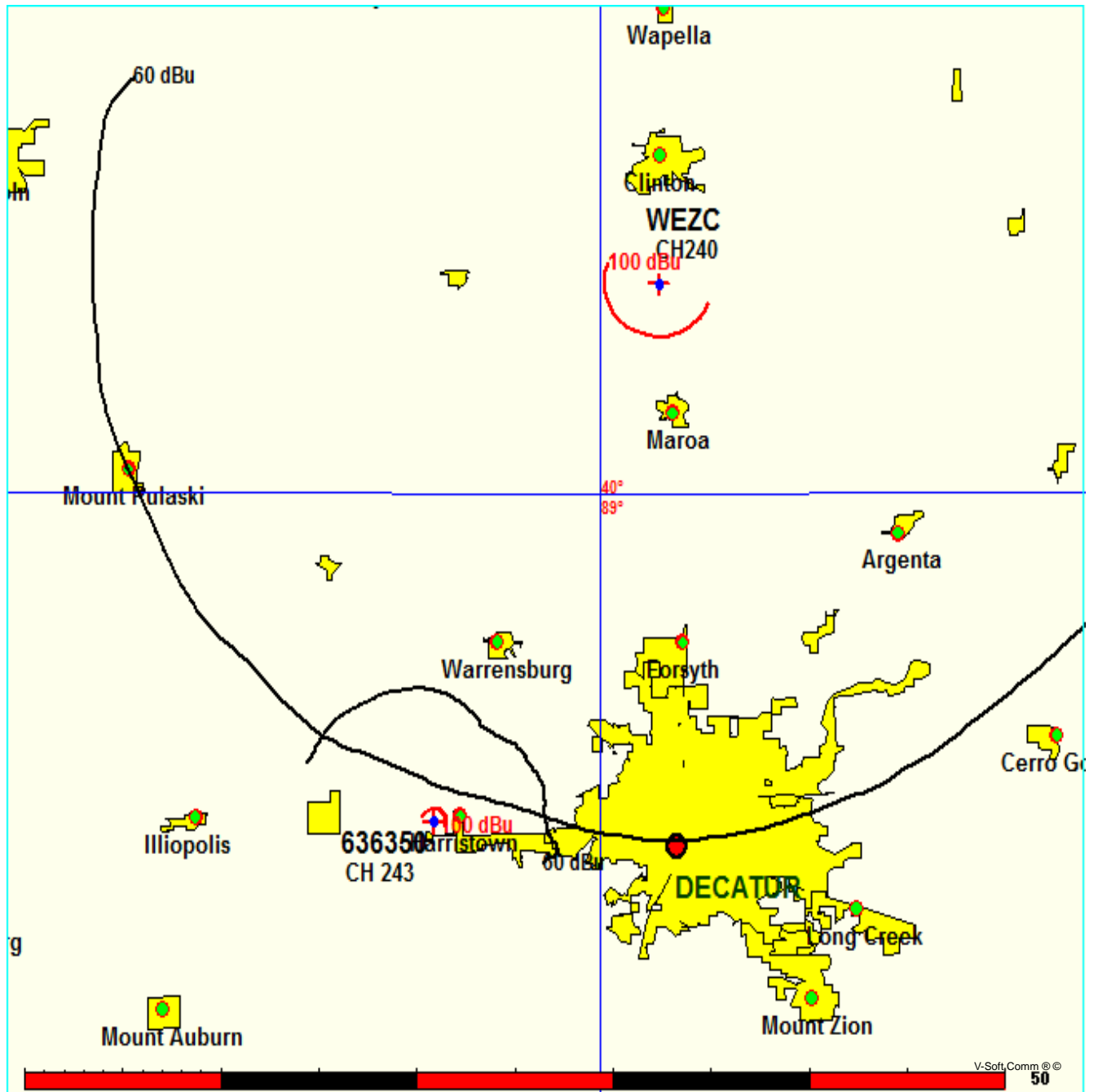


Figure 3  
Minor Amendment to Decatur 243D

Coverage Study - NGDC 30 SEC  
07-20-2013

636350 CH243 D , 0.08 kW, 44.7M HAAT, 235.7M COR AMSL  
Service Contour = 60 dBu. Population = 2,804

