

Channel Study

REFERENCE		CH# 254D - 98.7 MHz, Pwr= 0.25 kW DA, HAAT= 226.3 M, COR= 569 M								DISPLAY DATES	
42 03 49.8 N.		Average Protected F(50-50)= 19.7 km								DATA 05-20-15	
80 00 20.8 W.		Standard Directional								SEARCH 05-28-15	
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*
254D Erie	W254AJ!	APP	C PA	0.0 0.0	0.00 BPFT20150413AAF	42 03 49.8 80 00 20.8	0.250 -	73.8 590	24.6 Family Life Ministries, In	-86.4	-66.9
254D Erie	W254AJ!	LIC	DC PA	318.3 138.3	9.90 BLFT20120305ABJ	42 07 49.0 80 05 08.0	0.220 -1	23.0 237	6.9 Family Life Ministries, In	-29.6	-51.4
255B Simcoe	CHCD-FM	APP	?HN ON	341.4 161.2	80.08	42 44 48.0 80 19 07.0	50.000 150	82.4 355	68.6	-14.4*<	-14.0<
255B Simcoe	R69514		ON	341.4 161.2	80.08	42 44 48.0 80 19 07.0	50.000 150	81.9 351	65.0	-13.9*<	-10.3<
256D North East	W256AL	LIC	DC PA	44.2 224.4	20.04 BLFT20040709ACN	42 11 34.0 79 50 10.0	0.200 -4	0.9 303	6.4 Inspiration Time, Inc.	1.0	12.5
201A Erie	WEFR	LIC	CX PA	218.8 38.7	13.90 BMLED20130530AMM	41 57 59.0 80 06 40.0	0.630 131	138.5 497	65.9 Family Stations, Inc.	9.5R	4.4M
255L1 Corry	WHYP-LP	CP	PA	119.1 299.3	34.88 BNPL20131113AYC	41 54 39.4 79 38 16.8	0.040 47	520		11.2	5.7
254D Jamestown	W254AQ	LIC	C NY	83.1 263.7	65.41 BLFT20140129AIL	42 07 53.0 79 13 13.0	0.010 88	21.2 543	6.4 Calvary Chapel Of Russell	28.6	7.9
253B1 Oil City	WGYI	LIC	NCX PA	161.3 341.5	75.73 BLH20111205AHW	41 25 04.0 79 42 53.0	20.000 91	46.2 501	33.6 Fm Radio Licenses, Llc	12.1	11.5
255B Youngstown	WMXY	LIC	CN OH	205.6 25.2	123.93 BLH19890405KE	41 03 24.0 80 38 44.0	5.900 418	80.2 745	67.1 Citicasters Licenses, Inc.	27.9	23.3
257B1 Franklin	WHMJ	LIC	CN PA	174.5 354.5	69.86 BLH19891121KC	41 26 16.0 79 55 29.0	7.300 183	3.5 598	42.1 Fm Radio Licenses, Llc	48.2	26.2
252D Westfield	W252CG	CP	DV NY	49.0 229.3	46.07 BPFT20130211ADA	42 20 04.9 79 34 59.7	0.070 -63	0.0 212	1.2 Family Life Ministries, In	28.9	43.8
255A Simcoe	R29472	ADD	ON	344.4 164.1	93.08	42 52 13.0 80 18 51.0	6.000 100	46.2 326	38.0	34.8	29.7
253B Niagara Falls	WKSE	LIC	CX NY	38.1 218.8	133.62 BMLH20080910ABV	43 00 18.0 78 59 34.0	46.000 128	72.8 304	60.5 Entercom Buffalo License,	41.1	32.0
253B Niagara Falls	WKSE	CP	ZCX NY	39.9 220.6	133.22 BPH20131030AHQ	42 58 42.2 78 57 24.9	41.000 129	71.3 307	59.5 Entercom Buffalo License,	42.5	33.1
252A Ashtabula	WYBL	APP	ZCX OH	247.8 67.3	61.26 BPH20150422AAJ	41 51 13.8 80 41 20.7	4.700 110	2.6 350	26.6 Media One Holdings, Llc	39.3	33.5
252D Westfield	W252CG	LIC	DV NY	59.3 239.6	53.04 BLFT20110124AAS	42 18 21.0 79 27 08.0	0.007 149	0.2 521	4.5 Family Life Ministries, In	37.4	47.4
252A Ashtabula	WYBL	LIC	ZCX OH	248.0 67.5	66.02 BLH20050701ACW	41 50 23.0 80 44 36.0	5.300 105	2.5 337	25.5 Media One Holdings, Llc	44.1	39.5

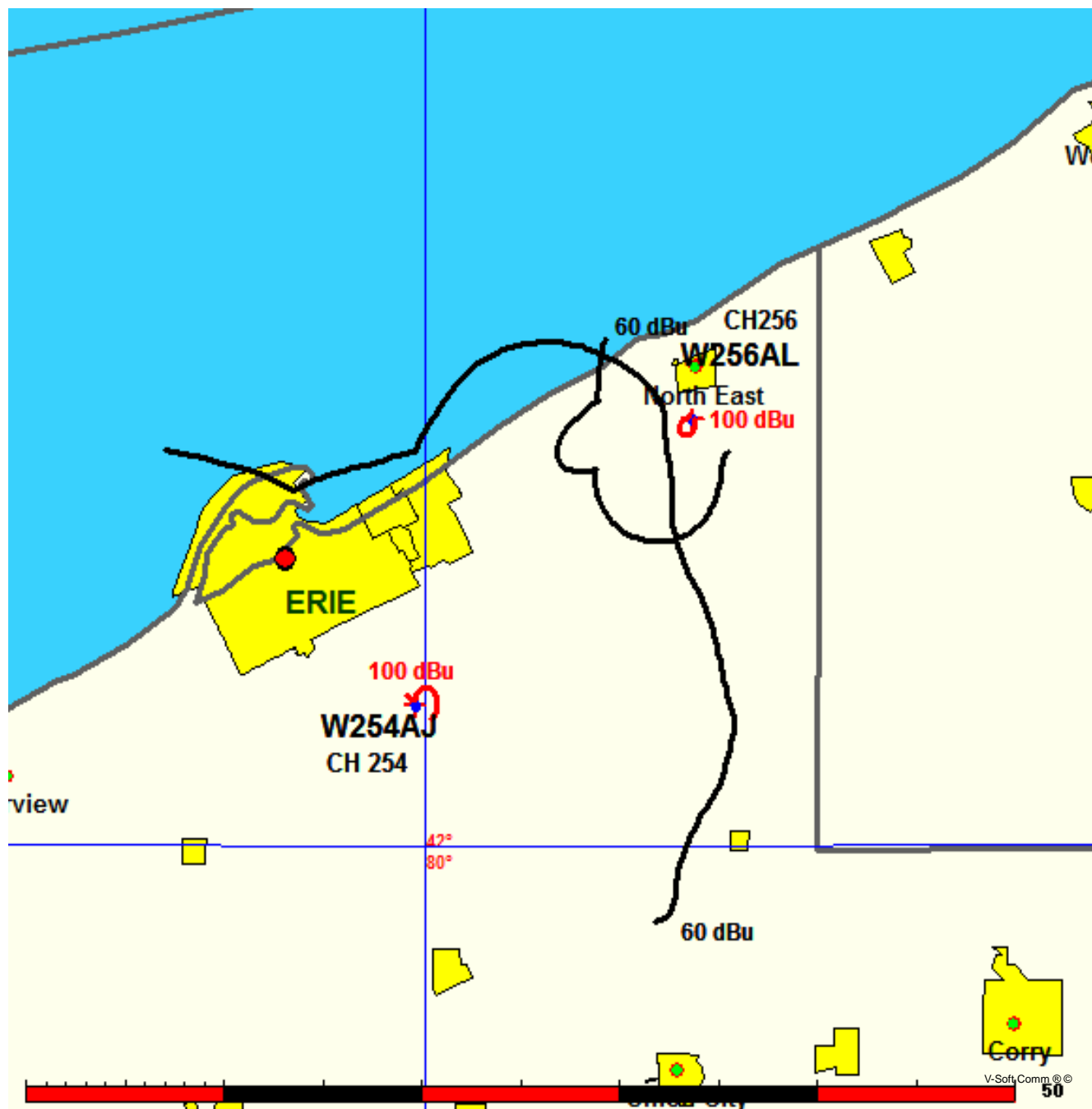
Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
 Contour distances are on direct line to and from reference station. Reference Zone= East Zone, Co to 3rd adjacent.
 All separation margins (if shown) include rounding. Call signs with exclamation marks need not be protected.
 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.
 < = Station meets FCC minimum distance spacing for its class.
 < = Contour Overlap
 Reference station has protected zone issue: AM tower

Family Life Ministries, Inc.

FMCommander Single Allocation Study - 05-28-2015 - NGDC 30 SEC
W254AJ's Overlaps (In= 1.01 km, Out= 12.53 km)

W254AJ CH 254 D DA
Lat= 42 03 49.8, Lng= 80 00 20.8
0.25 kW 226.3 M HAAT, 569 M COR
Prot.= 60 dBu, Intef.= 100 dBu

W256AL CH 256 D DA BLFT20040709ACN
Lat= 42 11 34.0, Lng= 79 50 10.0
0.2 kW -4.1 M HAAT, 303 M COR
Prot.= 60 dBu, Intef.= 100 dBu

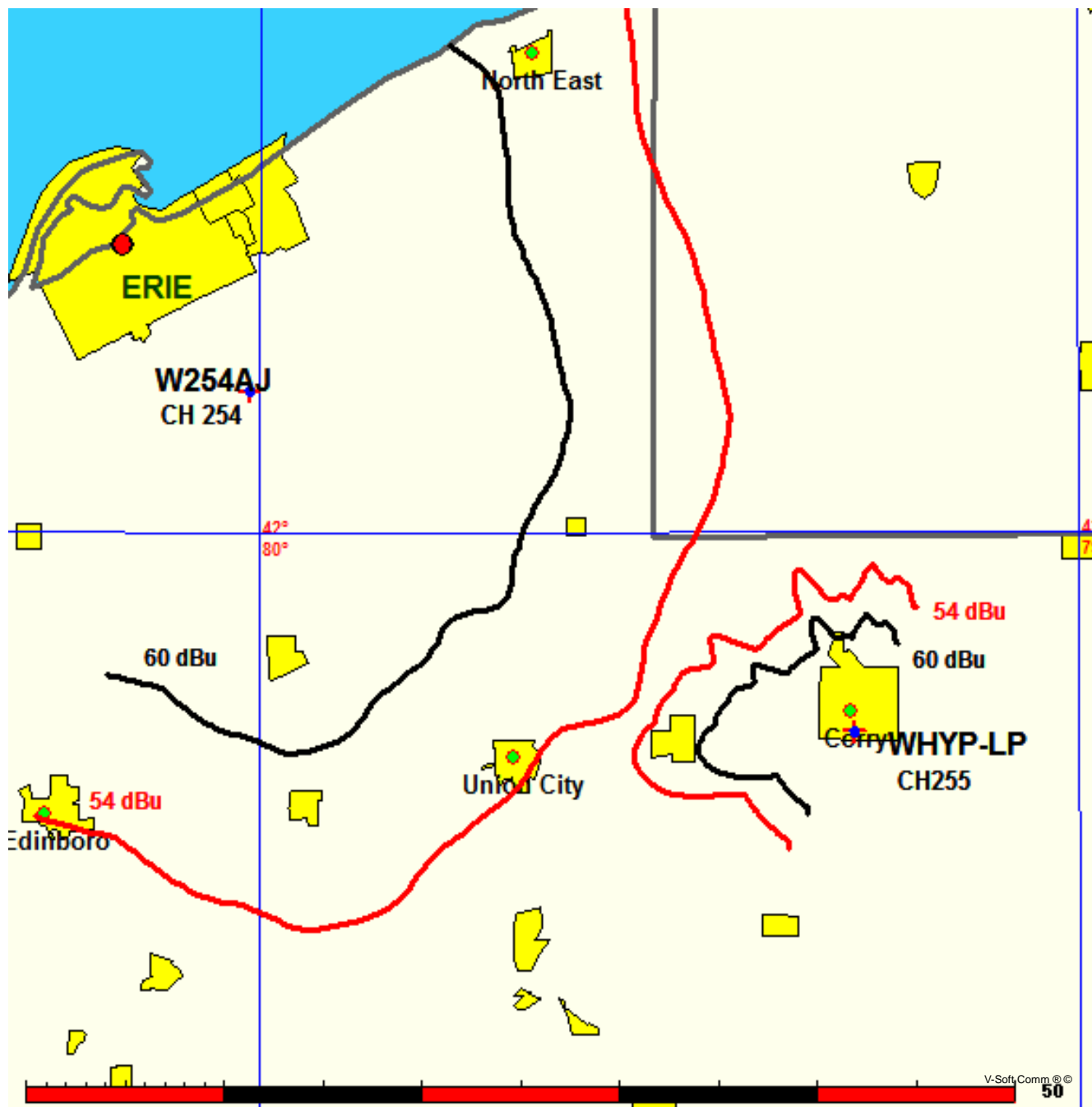


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FMCommander Single Allocation Study - 05-28-2015 - NGDC 30 SEC
W254AJ's Overlaps (In= 11.17 km, Out= 5.73 km)

W254AJ CH 254 D DA
Lat= 42 03 49.8, Lng= 80 00 20.8
0.25 kW 226.3 M HAAT, 569 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WHYP-LP CH 255 L1 BNPL20131113AYC
Lat= 41 54 39.4, Lng= 79 38 16.8
0.04 kW 46.96711 M HAAT, 520.4 M COR
Prot.= 60 dBu, Intef.= 54 dBu



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FMCommander Single Allocation Study - 05-28-2015 - NGDC 30 SEC
W254AJ's Overlaps (In= 28.64 km, Out= 7.91 km)

W254AJ CH 254 D DA
Lat= 42 03 49.8, Lng= 80 00 20.8
0.25 kW 226.3 M HAAT, 569 M COR
Prot.= 60 dBu, Intef.= 40 dBu

W254AQ CH 254 D BLFT20140129AIL
Lat= 42 07 53.0, Lng= 79 13 13.0
0.01 kW 88.4 M HAAT, 543 M COR
Prot.= 60 dBu, Intef.= 40 dBu

