

**Channel Study**

REFERENCE		CH# 254D - 98.7 MHz, Pwr= 0.25 kW DA, HAAT= 35.8 M, COR= 305 M								DISPLAY DATES	
42 06 14.8 N.		Average Protected F(50-50)= 7.7 km								DATA 10-30-17	
80 04 09.8 W.		Standard Directional								SEARCH 11-05-17	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
254D Erie	W254AJ!	LIC DC PA		175.4 355.4	7.39 BLFT20161027ABH	42 02 15.8 80 03 43.8	0.250	42.6 562	12.7 Family Life Ministries, In	-42.2	-28.9
201A Erie	WEFR	LIC CX PA		192.7 12.7	15.68 BMLD20130530AMM	41 57 59.0 80 06 40.0	0.630 131	78.0 497	65.0 Family Stations, Inc.	10.0R	5.7M
256D North East	W256AL	LIC DC PA		62.8 242.9	21.65 BLFT20040709ACN	42 11 34.0 79 50 10.0	0.200 -4	0.7 303	5.9 Inspiration Time, Inc.	12.8	14.8
255L1 Corry	WHYP-LP	LIC PA		122.2 302.5	40.92 BLL20170125AGW	41 54 27.7 79 39 05.3	0.100 26			25.8	25.1
253B1 Oil City	WGYI	LIC NCX PA		158.8 339.0	81.73 BLH20111205AHW	41 25 04.0 79 42 53.0	20.000 91	47.8 501	34.8 Fm Radio Licenses, Llc	27.0	35.1
252A Ashtabula	WYBL	LIC ZCX OH		241.7 61.3	58.40 BLH20160321ABH	41 51 13.8 80 41 20.7	4.700 110	2.6 350	27.5 Media One Holdings, Llc	46.0	29.9
257B1 Franklin	WHMJ	LIC CN PA		170.8 350.9	74.97 BLH19891121KC	41 26 16.0 79 55 29.0	7.300 183	3.4 598	41.5 Fm Radio Licenses, Llc	64.5	32.0
255B Simcoe	CHCD-FM	OP DHN ON		344.1 164.0	74.24 6025	42 44 48.0 80 19 06.0	50.000 150	15.8 355	15.5 CHCD-FM	46.0	32.4<
252D Westfield	W252CG	LIC DV NY		57.2 237.5	47.61 BLFT20160720ACM	42 20 04.9 79 34 59.7	0.099	0.6 212	5.2 Family Life Ministries, In	37.0	41.4
255B Youngstown	WMXY	LIC CN OH		202.6 22.2	125.86 BLH19890405KE	41 03 24.0 80 38 44.0	5.900 418	80.3 745	67.2 Citicasters Licenses, Inc.	38.6	44.6
254D Jamestown	W254AQ	LIC C NY		87.2 267.8	70.28 BLFT20140129AIL	42 07 53.0 79 13 13.0	0.010 88	20.8 543	6.3 Calvary Chapel Of Russell	42.5	40.5
253B Niagara Falls	WKSE	LIC CX NY		41.0 221.7	133.54 BMLH20080910ABV	43 00 18.0 78 59 34.0	46.000 128	72.8 304	60.4 Entercom Buffalo License,	48.4	46.9
253B Niagara Falls	WKSE	CP ZCX NY		42.8 223.5	133.35 BPH20131030AHQ	42 58 42.2 78 57 24.9	41.000 129	71.3 307	59.5 Entercom Buffalo License,	49.8	47.9
201A Jamestown	WUBJ	LIC DC NY		81.8 262.3	60.76 BLED20010308AAH	42 10 47.0 79 20 29.0	2.700 152	78.0 605	65.0 Western New York Public Br	10.0R	50.8M
253B Kitchener/waterloo	CKWR-FM(1	AU DHN ON		344.0 163.6	155.70 1154	43 27 00.0 80 36 07.0	27.000 180	73.5 534	62.3 CKWR-FM(1)	69.8	67.1

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.

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: Canada