

Exhibit 12

Interference Analysis Overlap Requirements

According to CFR 47 §74.1204(a), translators are required to protect all existing FM stations from interference due to overlap of the protected contours of the existing stations with the interfering contours of the new translators.

US Stations

In the attached tabular printout, only the AP243s, WGRF and WJYE have outgoing contour overlaps from the proposed translator, so no interference to other stations is anticipated. Incoming overlap is not prohibited.

The AP243s are the current application, and need not be protected.

WGRF and WJYE are second adjacent to the proposed translator, and, according to §74.1204(d),

"The provisions of this section concerning prohibited overlap will not apply where the area of such overlap lies entirely over water. In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to ... lack of population"

The F(50,50) signal from WGRF at the proposed site is 71.3 dBu. A 40 dB ratio of undesired to desired signal strength gives an allowable interfering F(50,10) field strength of 111.3 dBu. Utilizing the specified 2 bay half wave spaced antenna at 46 meters from the ground, the maximum signal strength on the ground is 103.10 dBu (see attached spreadsheet), less than the above mentioned 111.3 dBu. It only reaches down to 28.10 m above the ground. There are no habitable buildings in the area which reach up to intersect the contour. Hence §74.1204(d) applies, and the predicted area of interference is acceptable to the Commission.

The F(50,50) signal from WJYE at the proposed site is 70.4 dBu. A 40 dB ratio of undesired to desired signal strength gives an allowable interfering F(50,10) field strength of 110.4 dBu. Utilizing the specified 2 bay half wave spaced antenna at 46 meters from the ground, the maximum signal strength on the ground is 103.10 dBu (see attached spreadsheet), less than the above mentioned 110.4 dBu. It only reaches down to 26.14 m above the ground. There are no habitable buildings in the area which reach up to intersect the contour. Hence §74.1204(d) applies, and the predicted area of interference is acceptable to the Commission.

Review of the included topographic map shows that the interference contours, the largest of which is 84.73 m, does not reach over any buildings.

No other entries are sufficiently close to the proposed translator to require analysis.

Canadian Consideration

The proposed translator is 33 km from the nearest point in Canada, within the 320 km limit established by treaty. The 0.016 kW ERP does not exceed the maximum 250 Watts, and the maximum 30.9 km F(50,10) 34 dBu contour (see data printout) does not exceed the statutory 60 km. No Canadian stations were found in the above search. Hence there is no outgoing interference with any Canadian stations. Because the 34 dBu F(50,10) contour does not cross the common border (30.9 km maximum contour distance is not greater than the 33 km minimum distance to Canada), Canadian concurrence is not required. The relevant document for this analysis is the July 9, 1997 modification to the February 25, 1991 agreement.

Exhibit 12

NY Akron (Sprint tower)

REFERENCE CH# 243D - 96.5 MHz, Pwr= 0.016 kW, HAAT=100.0 M, COR= 289 M DISPLAY DATES
 42 58 04 N Average Protected F(50-50)= 6.56 km DATA 03-26-04
 78 31 16 W Ave. F(50-10) 40 dBu= 21.8 54 dBu= 9.2 80 dBu= 1.9 100 dBu= .3 SEARCH 05-04-04

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	COR (M) INT (km)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
243D Akron	AP243	APP C NY	19.7 199.7	3.48 BNPFT20030317KSG	42 59 50 78 30 24	0.001 32	273 5.8	1.9 Calvary Chapel Of The Fing	-8.15*<	-17.64<
243D Akron	AP243	APP C NY	19.7 199.7	3.48 BNPFT20030829AKF	42 59 50 78 30 24	0.010 32	273 10.4	3.2 Calvary Chapel Of The Fing	-12.79*<	-19.01<
243B Rochester	WCMFFM	LIC CN NY	75.9 255.9	78.60 BLH19840501CZ	43 08 07 77 35 02	50.000 115	283 132.9	59.8 Infinity Radio Inc.	-57.81<	2.60
SPECIAL NEGOTIATED SHORT-SPACED ALLOCATION										
245B Buffalo	WGRF	LIC DCN NY	267.0 87.0	29.05 BLH19970523KC	42 57 13 78 52 36	24.000 197	398 5.5	63.0 Citadel Broadcasting Compa	18.15	-34.55*<
241B Buffalo	WJYE	LIC CN NY	252.6 72.6	30.17 BLH19950814KB	42 53 10 78 52 25	47.000 138	338 5.6	62.8 Infinity Radio Inc.	19.21	-33.20*<
Specially negotiated, short-spaced assignment.										
243A Fredonia	WBKX.C	CP ZCX NY	227.0 47.0	97.40 BPH20010105AAU	42 22 02 79 23 12	1.400 251	550 85.7	31.0 Chadwick Bay Broadcasting	6.65	50.10
243A Fredonia	WBKX	LIC CN NY	227.0 47.0	97.40 BLH19890406KA	42 22 02 79 23 12	0.660 250	549 75.5	26.0 Chadwick Bay Broadcasting	16.79	55.11
242C1 Toronto	R---«	ADD ON	317.7 137.7	102.95	43 38 56 79 22 55	100.000 330	403 108.5	86.0	-12.08<	4.08

ERP and HAAT are on direct line to and from reference station.

""Affixed to 'IN' or 'Out' values = site inside protected contour.

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

Exhibit 12

vs WGRF

*Freespace Interference Study based on Vertical Radiation Pattern
ERI Series 100 2-bay 1/2-wave spaced antenna*

Depression Angle from Antenna	Antenna Relative Field	ERP Watts	ERP dBk	Distance to Ground from Antenna (m)	Free Space Signal (dBu)	2.5 dB Loss for Reflection	Signal Strength at Ground (dBu)	Circular Distance From Tower (m)	Distance to Contour using Free Space (m)	Height of Contour above Ground (m)
90	0.001	0.000	-77.96	46.00	55.71	2.5	53.21	0.00	0.06	45.94
85	0.002	0.000	-71.94	46.18	61.69	2.5	59.19	4.02	0.11	45.89
80	0.009	0.001	-58.87	46.71	74.66	2.5	72.16	8.11	0.52	45.49
75	0.023	0.008	-50.72	47.62	82.64	2.5	80.14	12.33	1.32	44.73
70	0.049	0.038	-44.15	48.95	88.97	2.5	86.47	16.74	2.81	43.36
65	0.076	0.092	-40.34	50.76	92.47	2.5	89.97	21.45	4.35	42.05
60	0.120	0.230	-36.38	53.12	96.04	2.5	93.54	26.56	6.87	40.05
55	0.180	0.518	-32.85	56.16	99.08	2.5	96.58	32.21	10.31	37.55
50	0.250	1.000	-30.00	60.05	101.35	2.5	98.85	38.60	14.32	35.03
45	0.333	1.774	-27.51	65.05	103.14	2.5	100.64	46.00	19.08	32.51
40	0.425	2.890	-25.39	71.56	104.44	2.5	101.94	54.82	24.35	30.35
35	0.524	4.393	-23.57	80.20	105.26	2.5	102.76	65.69	30.02	28.78
30	0.625	6.250	-22.04	92.00	105.60	2.5	103.10	79.67	35.80	28.10
25	0.723	8.364	-20.78	108.85	105.41	2.5	102.91	98.65	41.42	28.50
20	0.815	10.628	-19.74	134.50	104.61	2.5	102.11	126.38	46.69	30.03
15	0.890	12.674	-18.97	177.73	102.95	2.5	100.45	171.67	50.99	32.80
10	0.950	14.440	-18.40	264.90	100.05	2.5	97.55	260.88	54.42	36.55
5	0.989	15.650	-18.05	527.79	94.42	2.5	91.92	525.78	56.66	41.06

Distance to Ground Level assumes flat ground or a site where the site level is above average terrain in all azimuths.

Maximum ERP	16 watts	Max dBu at Ground Level	103.10	Lowest Height of Contour	28.10
Radiation Center AG	46 m				
Radiation Center AG	151 ft.				
Maximum ERP	-17.96 dBk				
Protected dBu	71.3 dBu				
Interfering dBu	111.3 dBu				
Free Space Distance	76.39 m				

Exhibit 12

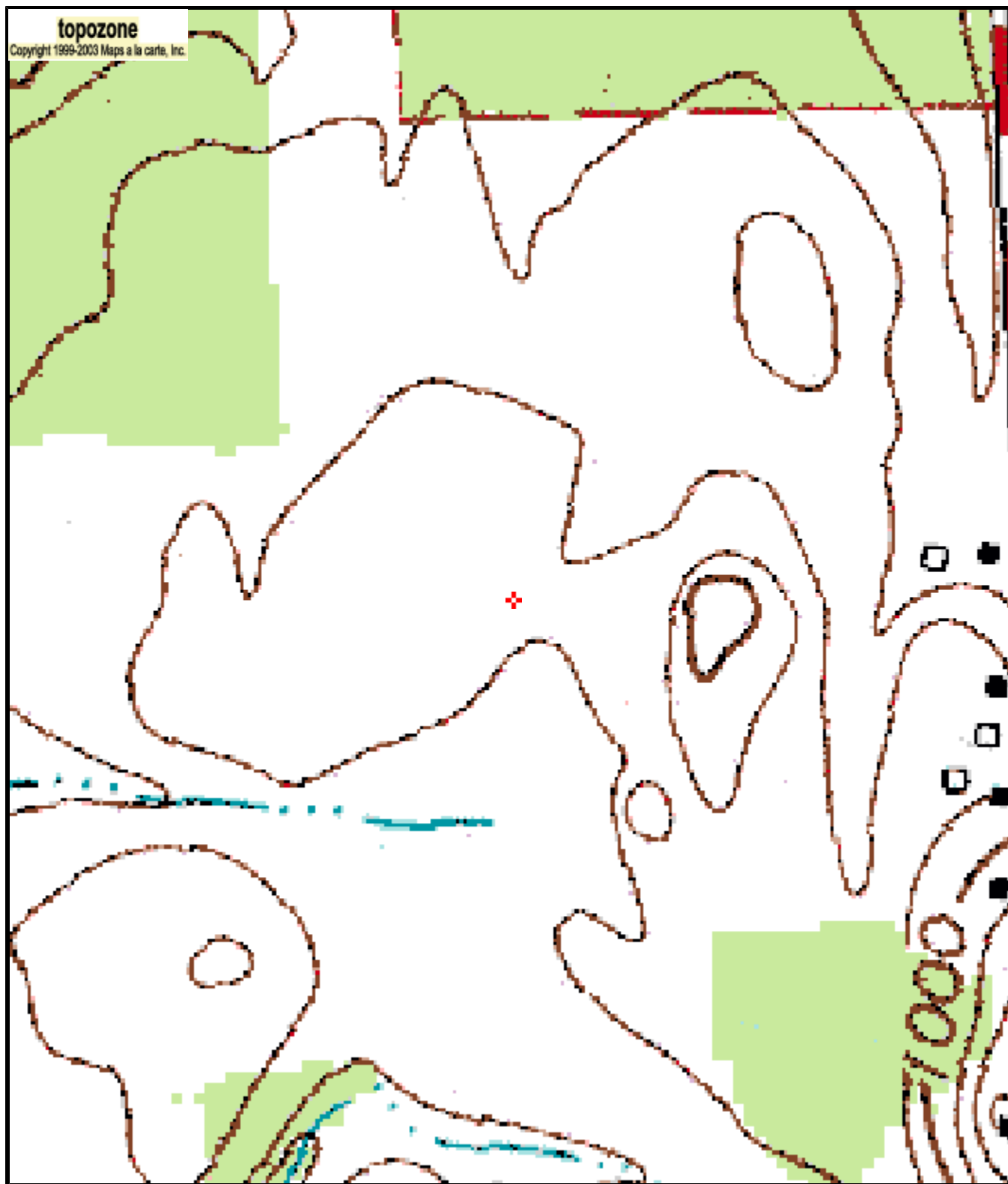
vs WJYE

*Freespace Interference Study based on Vertical Radiation Pattern
ERI Series 100 2-bay 1/2-wave spaced antenna*

Depression Angle from Antenna	Antenna Relative Field	ERP Watts	ERP dBk	Distance to Ground from Antenna (m)	Free Space Signal (dBu)	2.5 dB Loss for Reflection	Signal Strength at Ground (dBu)	Circular Distance From Tower (m)	Distance to Contour using Free Space (m)	Height of Contour above Ground (m)
90	0.001	0.000	-77.96	46.00	55.71	2.5	53.21	0.00	0.06	45.94
85	0.002	0.000	-71.94	46.18	61.69	2.5	59.19	4.02	0.13	45.87
80	0.009	0.001	-58.87	46.71	74.66	2.5	72.16	8.11	0.57	45.44
75	0.023	0.008	-50.72	47.62	82.64	2.5	80.14	12.33	1.46	44.59
70	0.049	0.038	-44.15	48.95	88.97	2.5	86.47	16.74	3.11	43.07
65	0.076	0.092	-40.34	50.76	92.47	2.5	89.97	21.45	4.83	41.62
60	0.120	0.230	-36.38	53.12	96.04	2.5	93.54	26.56	7.63	39.40
55	0.180	0.518	-32.85	56.16	99.08	2.5	96.58	32.21	11.44	36.63
50	0.250	1.000	-30.00	60.05	101.35	2.5	98.85	38.60	15.89	33.83
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25	0.723	8.364	-20.78	108.85	105.41	2.5	102.91	98.65	45.94	26.58
20	0.815	10.628	-19.74	134.50	104.61	2.5	102.11	126.38	51.79	28.29
15	0.890	12.674	-18.97	177.73	102.95	2.5	100.45	171.67	56.55	31.36
10	0.950	14.440	-18.40	264.90	100.05	2.5	97.55	260.88	60.36	35.52
5	0.989	15.650	-18.05	527.79	94.42	2.5	91.92	525.78	62.84	40.52

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Maximum ERP	16 watts	Max dBu at Ground Level	103.10	Lowest Height of Contour	26.14
Radiation Center AG	46 m				
Radiation Center AG	151 ft.				
Maximum ERP	-17.96 dBk				
Protected dBu	70.4 dBu				
Interfering dBu	110.4 dBu				
Free Space Distance	84.73 m				



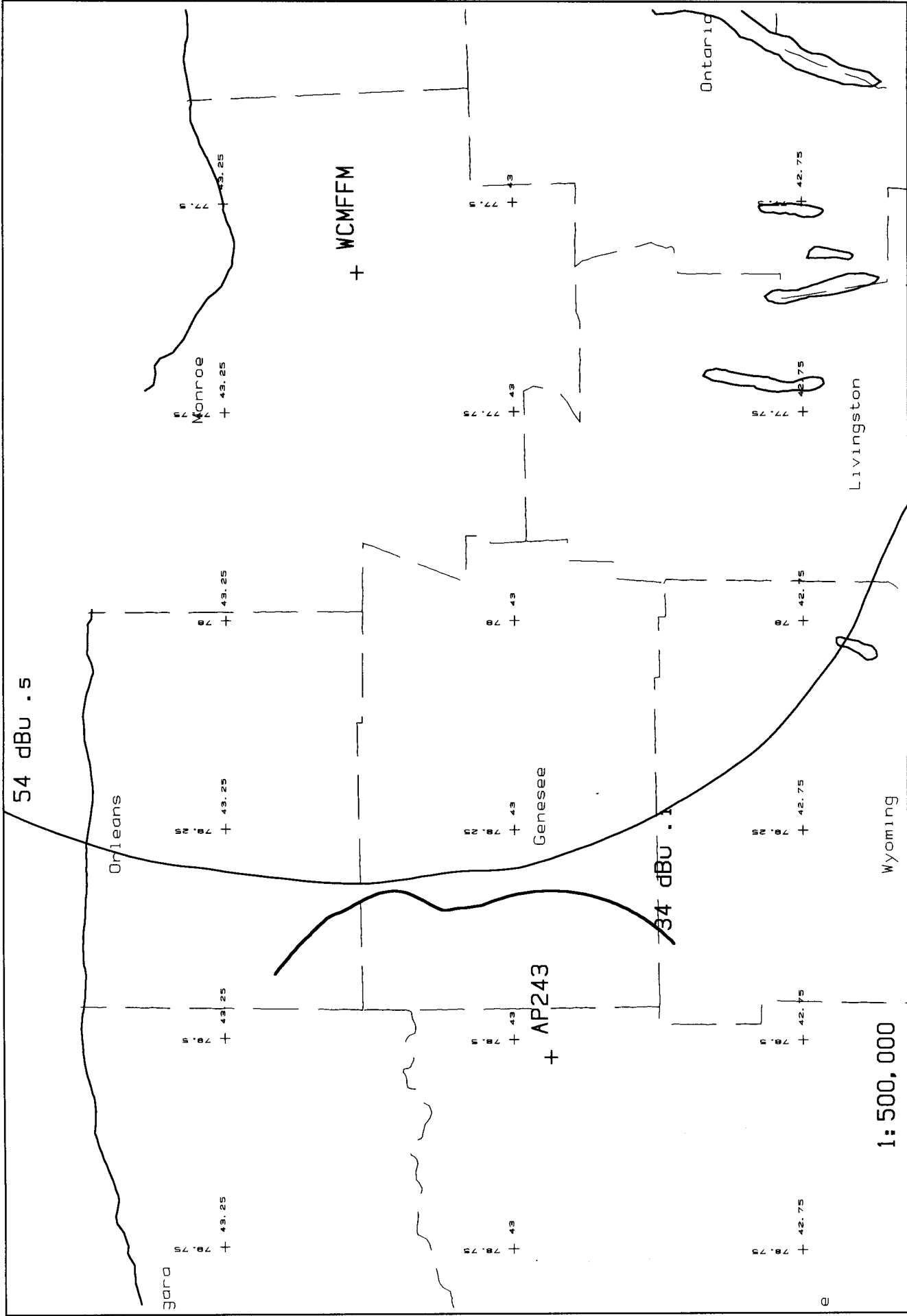
0 0.07 0.14 0.21 0.28 0.35 km
0 0.05 0.1 0.15 0.2 0.25 mi

Map center is 42° 50' 04"N, 78° 31' 16"W (NAD27)

East Aurora quadrangle

Projection is UTM Zone 17 NAD83 Datum

M*
G
M=-11.008
G=1.687



<p>Scale in km</p> <p>0 10 20 30 40</p>	<p>WCMFFM 243B 50kW 283M AMSL</p> <p>AP243 243D .016kW 289M AMSL</p>	<p>WCMFFM vs AP243</p> <p>Bob Moore - 05/04</p>
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Exhibit 12
Terrain and Contour Data
AP243 Akron, NY

ERP .016 kW
N. Lat. 42 58 4
W. Lon. 78 31 16
Center of Radiation 289.00 m AMSL

Azimuth Deg T.	Avg Elev 3-16 km Meters AMSL	Effective Antenna Ht Meters AAT	ERP Kilowatts	Distance to Contour (km) 34.0 dBu F(50,10)
0	196.5	92.5	0.0160	29.5
30	217.5	71.5	0.0160	25.8
60	257.0	32.0	0.0160	16.8
90	268.7	20.3	0.0160	16.2
120	278.6	10.4	0.0160	16.2
150	287.7	1.3	0.0160	16.2
180	262.0	27.0	0.0160	16.2
210	238.5	50.5	0.0160	21.8
240	225.2	63.8	0.0160	24.5
270	221.0	68.0	0.0160	25.2
300	196.1	92.9	0.0160	29.6
-->330	189.0	100.0	0.0160	30.9<--
Average	236.483	52.517	<--HAAT m	
Area	(sq. km.)			1679.80
2000 Grouped Population				460888