

FIGURE 6B is the printout of a terrain averaging program for 3-16 km. averages from the WPXY site employing the NGDC 30-second database. Also shown are the adjusted HAAT values which result when the average terrain at 0°T, and hence the overall terrain average, is amended to conform to the requirements of § 73.313. This adjustment is necessary because that portion of the WPXY-FM 0°T radial beyond 12.6 km. falls over the international waters of Lake Ontario, with no further U.S. land area lying beyond that point. Adjusted WPXY terrain values were used to compute service contours in the prior exhibit.

FIGURE 6C is a tabulation at one-tenth kilometer intervals of the WPXY-FM terrain at 0°T. As stated, only that portion between 3.0 km and 12.6 km was used to compute the radial's average terrain.

For both WPXY-FM and this proposal, terrain bearings were selected at sufficiently numerous intervals such that no great discrepancies in terrain between the stations would be overlooked. However, upon completion of the analysis, it appeared one additional bearing, that of 280°T from the applicant's site, might prove beneficial in assuring the lack of overlap. Therefore, the applicant presents in APPENDIX, Page 1 a terrain tabulation from the September 1960 application of WKGW (then WRUN-FM), Utica, NY, which is licensed to this common site. At 280°T, a terrain average of 651 feet (or 198.4m) A.M.S.L. is obtained from the WKGW tabulation, a value on record and accepted by the Commission. Based on examination of the F(50,10) curves and interpolation of FIGURE 5B data, the resulting HAAT of 182.3m (598.0') at the 280°T bearing would produce a 34dBu contour of 109.0 km. This value would produce an interference contour of slightly lesser radius at 280°T than that represented in the exhibits of FIGURE 4. Therefore, in the opinion of the undersigned, based on the dictates of § 73.215, this proposal maintains proper contour clearance with WPXY-FM reference operation.

#### ENVIRONMENTAL CONSIDERATIONS:

As referenced in answer to Question 20 on FCC Form 301, this proposal's only environmental impact relates to radiofrequency emissions. In that regard, the following analysis has been performed. Utilizing the methods and formulas contained in OST Bulletin No. 65 and making the worst-case assumption that full ERP is radiated in all vertical directions, the maximum ground-level power density from this application's proposed antenna would be 0.0259 mw/cm<sup>2</sup>, a figure representing only 2.59% of the 1 mw/cm<sup>2</sup> reference at this frequency. This proposal would be situated on a tower presently supporting the seven-bay circularly-polarized antenna of WKGW, Utica, NY (Ch. 282B, 100kW @ 151m AAT). Using the methods and procedures outlined above,

the maximum ground-level power density contributed by WKGW's antenna would be 0.7732 mw/cm<sup>2</sup>, or 77.32% of the allowed threshold. Combined, the two antennas would produce at ground level 0.7991 mw/cm<sup>2</sup>, or 79.91 per cent of the maximum reference value.

The applicant proposes use of WKGW's existing one-story transmitter building, with no new building construction anticipated unless space constraints dictate. In any event, no increase in vertical dimension is expected. Though the height of the WKGW transmitter building has not been obtained in preparation of this report, that height is believed to be no greater than six meters (20 feet.) At the 6 meter AGL level, the maximum power density values calculated would be 0.0299 mw/cm<sup>2</sup> from this proposal and 0.8836 mw/cm<sup>2</sup> from WKGW, making a combined rooftop level power density of 0.9135 mw/cm<sup>2</sup>, or 91.35 per cent of the reference value.

The applicant further certifies that should work be performed on either the WKGW antenna or this applicant's own proposal, or on the supporting tower above the 6m AGL level, it will terminate its transmitter's emissions for the duration of such work. It also states that any final lease agreement with WKGW's licensee will contain provisions for the mutual cessation of transmissions by this applicant and WKGW to allow maintenance personnel from either station to perform work at the aforementioned levels without risk to excessive RF exposure.

#### IMPACT ON OTHER LICENSED FACILITIES:

Aside from its own operation, the only other licensed broadcast or non-broadcast facility within 60 meters of this proposal's site is the co-located transmitting antenna and auxiliary antenna of WKGW(FM), Utica. This proposal and WKGW's authorized frequency, 104.3 MHz, are not I.F.-related, and no harmful intermodulation interference is expected. Nonetheless, this applicant certifies that should such interference occur for any reason, this applicant will assume full responsibility to correct such objectionable interference.

The proposal's antenna supporting structure is located in close proximity to the campus of Hamilton College, a populated area. However, as noted above, this proposal's ERP contribution is small when compared to the 100 kW signal radiated by Radio Station WKGW, already in existence at that location. This applicant makes reference to the engineering narrative of WKGW's consulting engineer contained within WKGW's application BPH-890405IC, April 1989, which stated:

*"...Please note that WKGW is an old facility. Originally built in a sparsely settled area, the population has grown up over the years around the station and nearby Hamilton College. As of this date the presence of the blanketing signal from WKGW has caused no insurmountable problems either to Hamilton College or the surrounding neighborhood."*

Based on the above assessment, this applicant believes no additional impact of any magnitude will be imposed by adding a second station, one of relatively low power, to the WKGW tower.

ADDITIONAL EXHIBITS:

FIGURE 1: A vertical plane sketch of the proposed antenna and the existing supporting tower, along with the licensed transmitting antenna of WKGW, Utica. Not shown on this drawing is a two-bay WKGW auxiliary antenna mounted at approximately the 76 meter (250') AGL level. Since information at hand does not indicate the precise location of this antenna, the applicant states that should its application be approved, the WKGW auxiliary antenna will, if necessary, be relocated slightly downward on the tower to provide proper separation between it and this proposal's antenna. As shown, WKGW's main antenna is mounted on a pole atop a 93 meter (304') steel tower. This proposal's two-bay circularly-polarized antenna would be side-mounted near the top of the tower itself. Computations indicate there would exist at least ten feet (3 meters) between the proposed antenna's top bay and the top of the tower. Hence, proper separation between the proposed antenna and WKGW's antenna is assured. (Also see APPENDIX, Page 2).

FIGURES 2A & 2B is first a full-size portion of the Clinton, NY USGS 7½-min Quadrangle, and then a photoreduced copy of the entire map, showing the proposed antenna site and complying with the Public Notice of 4/5/85, Mimeo 3693.

FIGURE 7: A photoreduced portion of USGS 1:250,000 topo maps depicting the proposed Ch. 250A transmitter site, the predicted 70dBu (3.16mV/m) and 60dBu (1.0 mV/m) service contours, radials on which all terrain data were gathered, distance scales in kilometers, statute and nautical miles, site coordinates, legal boundaries of Whitesboro, NY (shaded), and the area and population contained within the 60dBu contour.

APPENDIX, Page 1: A tabulation of elevation and contour data excerpted from the WKGW (WRUN-FM) construction permit application BPH-3152 of September 1960. As will be noted, average terrain for WKGW was computed at various

odd bearings, a procedure inconsistent with modern requirements. Thus, average terrain computations for WKGW and this proposal will vary widely. Nonetheless, this exhibit is presented to provide verification of calculated terrain averages at 280°T as referenced earlier in this engineering statement.

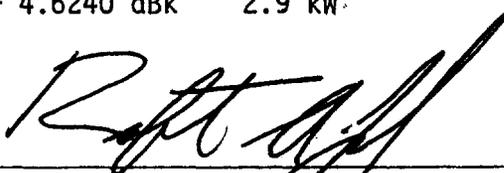
APPENDIX, Page 2: A vertical plane sketch for the WKGW(FM) antenna and supporting tower excerpted from WKGW construction permit application BPH-781019AE, October 1978. This sketch has provided the basis for the supporting structure height data referenced elsewhere in this application. This proposal would not alter the supporting structure height in any way.

EFFECTIVE RADIATED POWER:

The effective radiated power for this proposed facility was derived from the following gain/loss figures:

Transmitter power output:	+ 5.2801 dBk	3.37 kW
Transmission line loss:	- 0.6435 dB	325' (99.1m) Cablewave HCC158-50J
Power input to antenna:	+ 4.6266 dBk	2.91 kW
Antenna gain:	- 0.0126 dB	Harris FML-2E (PG = 0.9971)
Effective Radiated Power:	+ 4.6240 dBk	2.9 kW

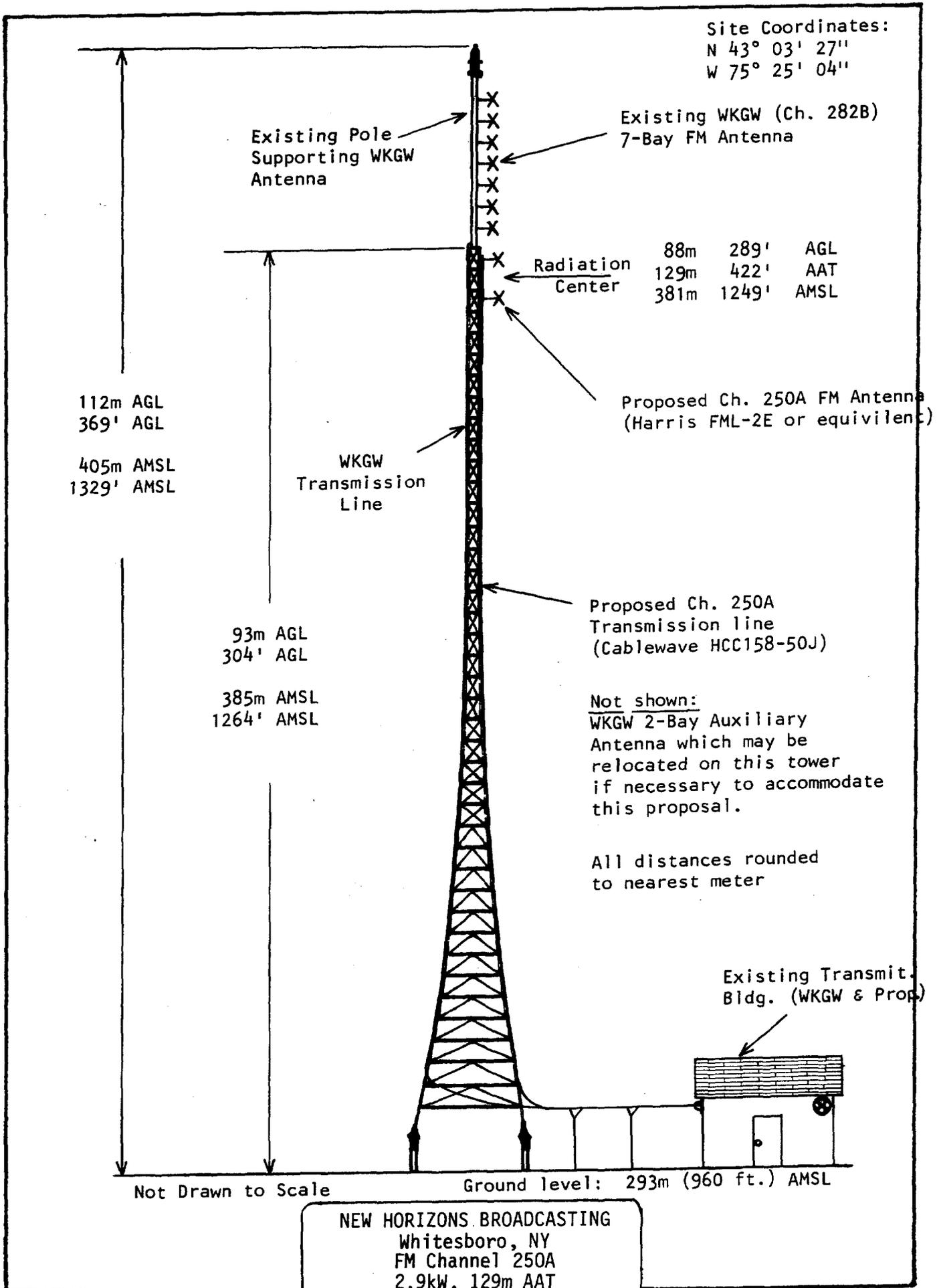
May 8, 1992




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Robert A. Lynch  
Consulting Engineer

VERTICAL PLANE SKETCH OF PROPOSED ANTENNA



NEW HORIZONS BROADCASTING  
 Whitesboro, NY  
 FM Channel 250A  
 2.9kW, 129m AAT  
 May 1992

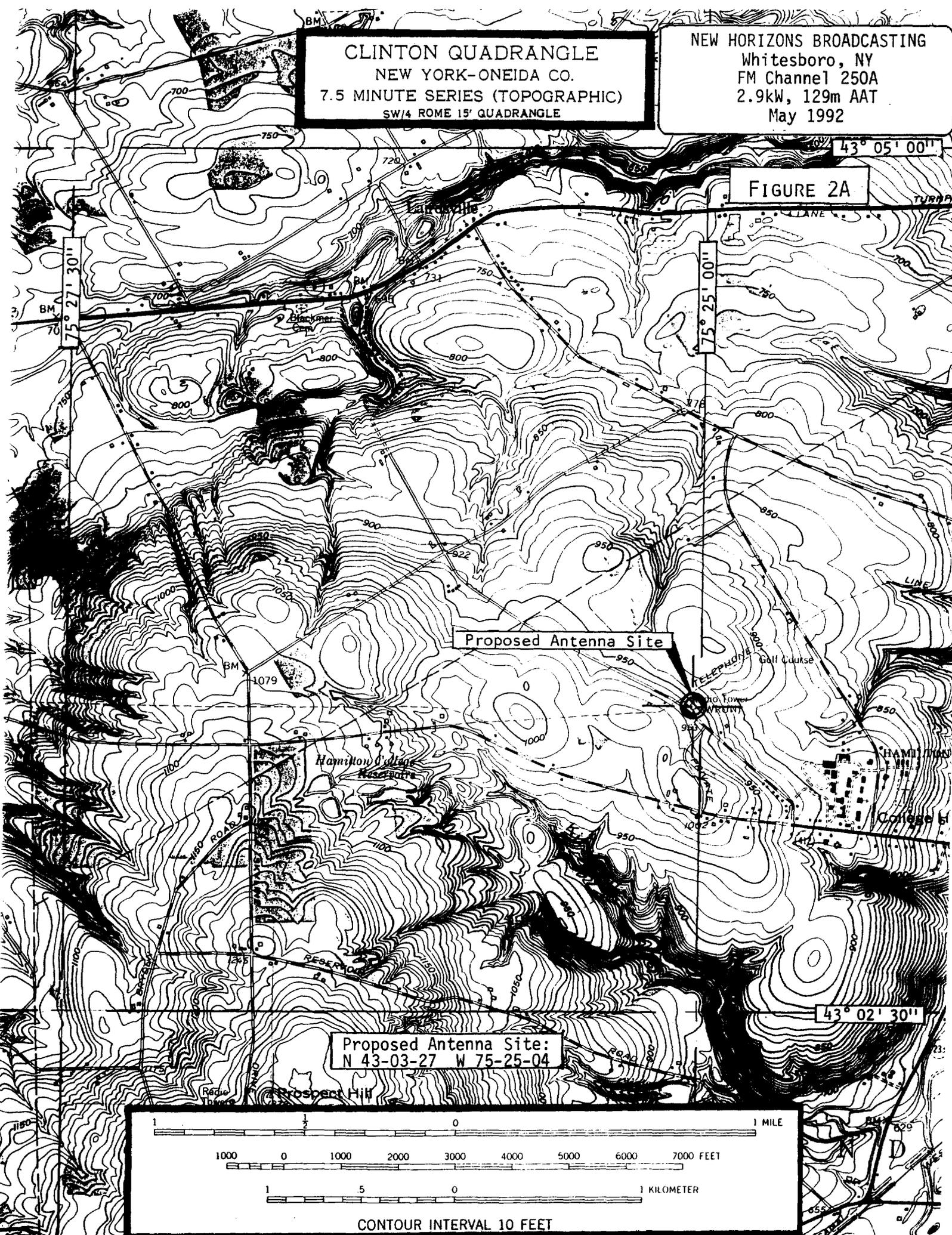
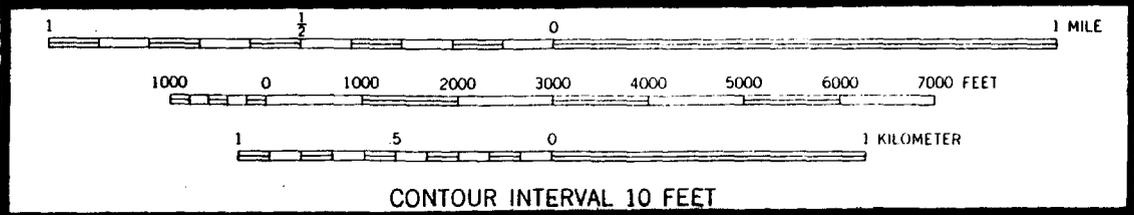
CLINTON QUADRANGLE  
NEW YORK-ONEIDA CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SW/4 ROME 15' QUADRANGLE

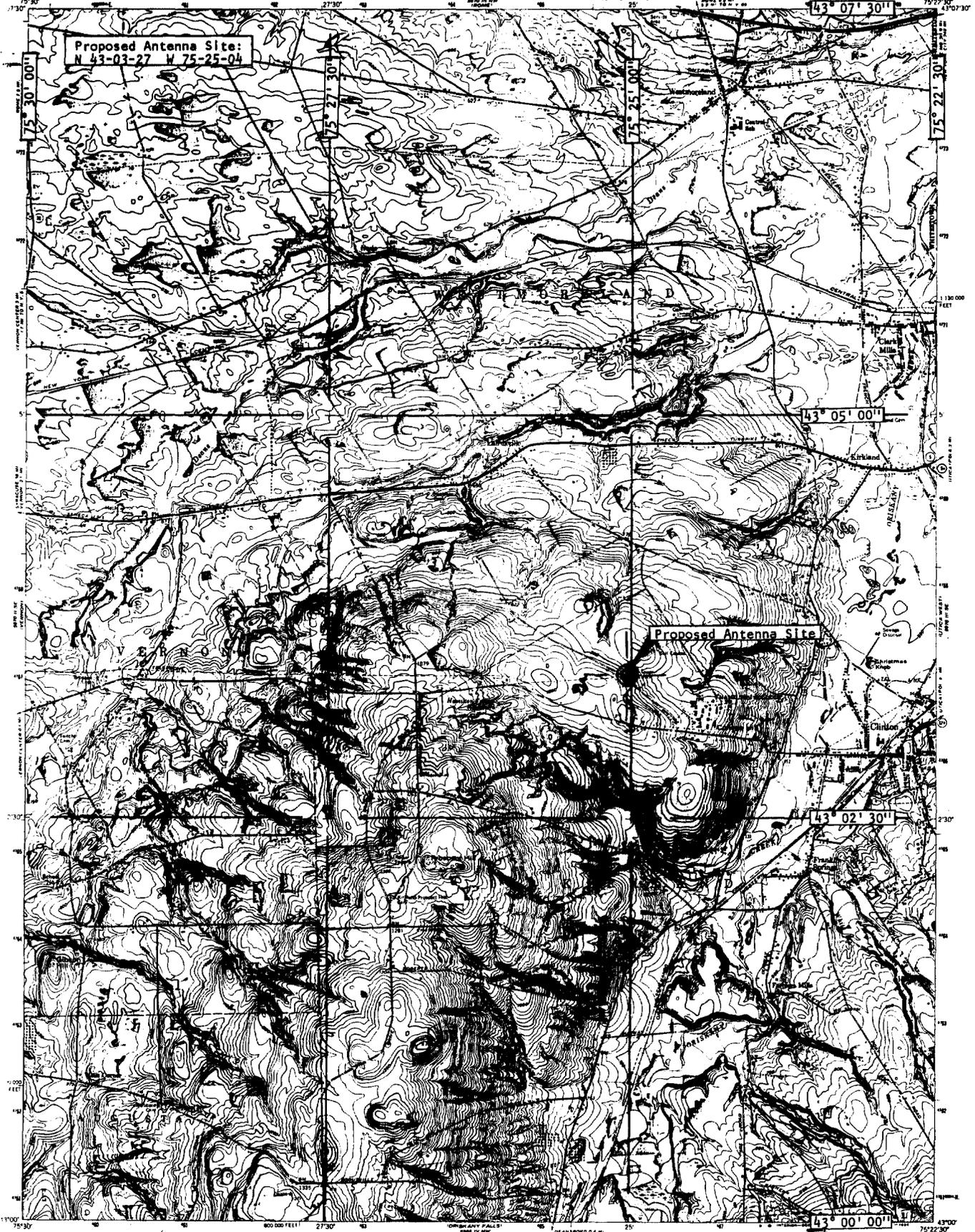
NEW HORIZONS BROADCASTING  
Whitesboro, NY  
FM Channel 250A  
2.9kW, 129m AAT  
May 1992

FIGURE 2A

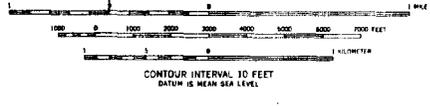
Proposed Antenna Site

Proposed Antenna Site:  
N 43-03-27 W 75-25-04





Mapped, edited, and published by the Geological Survey  
Control by USGS and USCAGS  
Topography from aerial photographs by multiple methods  
and by available surveys 1947. Aerial photographs taken  
1947. Revised 1955.  
Polyconic projection 1927 North American datum.  
10,000 foot grid based on New York coordinate system,  
central zone.  
1000 meter Universal Transverse Mercator grid ticks,  
zone 18, shown in blue.



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20542  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

FM Spacing study

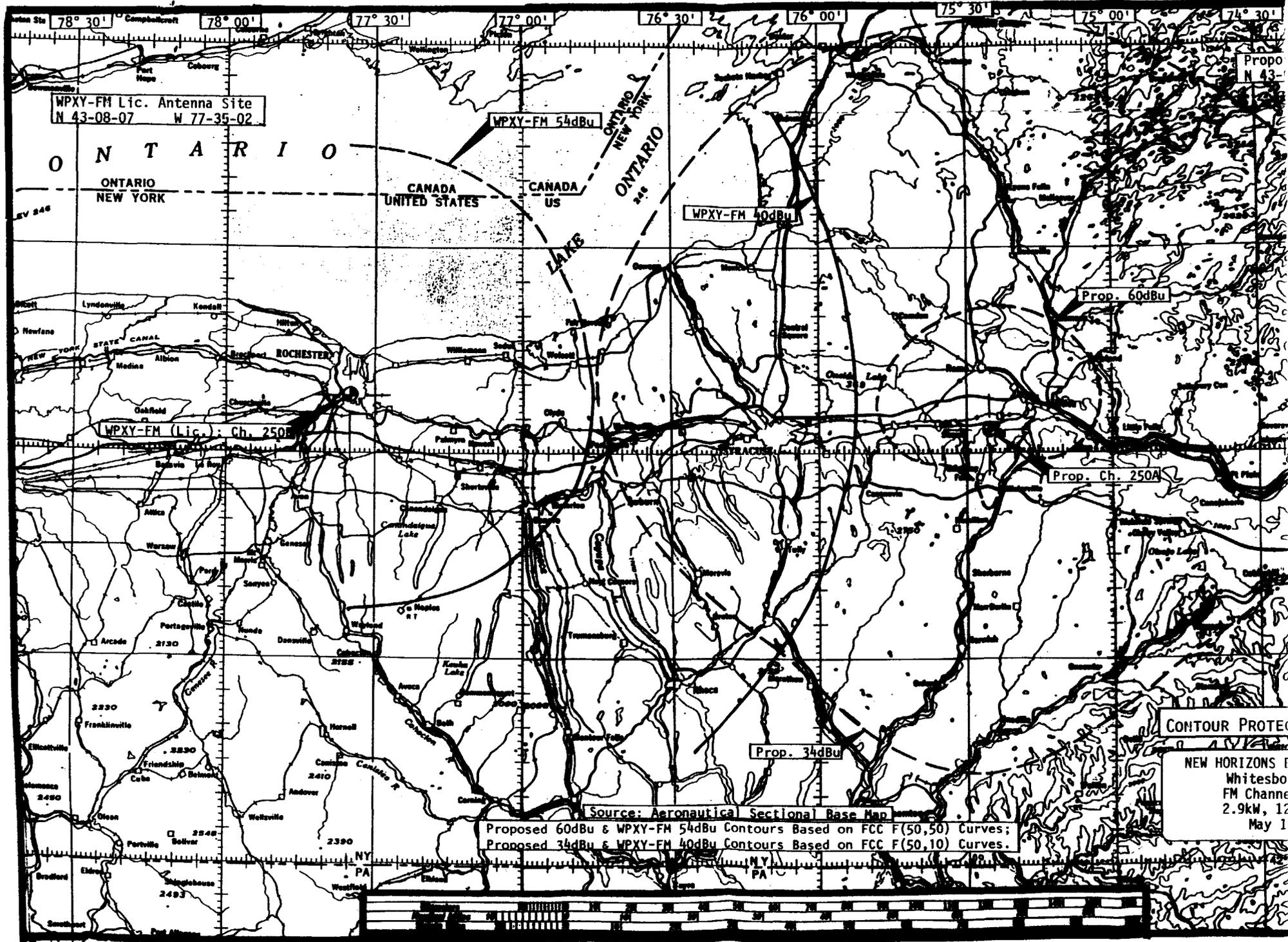
Title: WHITESBORO, NY  
 Channel 250A ( 97.9 MHz)  
 Database: DW 03/17/92

Latitude: 43-03-27  
 Longitude: 75-25-04  
 Safety zone: 30 km

Call	Auth	Licensee name	Chan	ERP-kW	Latitude	Br-to	Dist.	Req.
City of License	St	FCC File no.	Freq	EAH-m	Longitude	-from	(km)	(km)
WYXL	LIC	EAGLE BROADCASTING COMPA	247B	26	42-27-54	230.1	102.2	69
ITHACA		NY	97.3	268	76-22-23	49.5	33.21	CLEAR
Was WHCU-FM 10/05/87; Affiliated with WHCU(AM)								
WCIZ	LIC	WATERTOWN RADIO ASSOC LT	248C2	41	43-57-23	341.1	105.7	55
WATERTOWN		NY	97.5	87	75-50-45	160.8	50.70	CLEAR
Was WNCQ-FM 08/01/88; Affiliated with WNCQ(AM)								
WKOL-FM	LIC	GATE BROADCASTING CORPOR	249A	.79	42-59-05	94.2	101.2	72
AMSTERDAM		NY BLH-881104KA	97.7	190	74-10-49	275.0	29.20	CLEAR
Was WMVQ 11/02/88; Affiliated with WBUG(AM)								
WKOL-FM	CP	GATEWAY BROADCASTING COR	249A	2.10	43-02-11	90.9	101.2	72
AMSTERDAM		NY BPH-910109IA	97.7	118	74-10-34	271.8	29.20	CLEAR
CP Granted 06/12/91 per FCC release #21141 dated 06/20/91; Was WMVQ 11/02/88; Affiliated with WBUG(AM)								
ALLOC			250A		43-07-19	54.9	12.50	115
WHITESBORO		NY DOC-90-610	97.9		75-17-31	235.0	-103	SHORT
Granted effective 04/13/92, adopted 02/18/92, released 02/27/92; Filing window 04/14-05/14/92; RM-7642								
WPXY-FM	LIC	RICH COMMUNICATIONS CORP	250B	50	43-08-08	273.6	176.6	178**
ROCHESTER		NY	97.9	122	77-35-02	92.1	-1.43	SHORT
Affiliated with WPXY(AM)								
WPXY-FM	CP	RICH COMMUNICATIONS CORP	250B	50	43-08-07	273.6	176.6	178**
ROCHESTER		NY BPH-870330IP	97.9	122	77-35-02	92.1	-1.43	SHORT
CP Granted 04/21/88; Affiliated with WPXY(AM)								
WHWK	LIC	STONER BROADCASTING SYST	251B	10	42-03-34	201.7	119.2	113
BINGHAMTON		NY	98.1	293	75-57-06	21.3	6.223	CLOSE
Affiliated with WNRB(AM)								
WHWK	APP	STONER BROADCASTING SYST	251B	13.2	42-03-34	201.7	119.2	113
BINGHAMTON		NY BPH-911002ID	98.1	294	75-57-06	21.3	6.223	CLOSE
Received per FCC release #15114 dated 10/28/91, accepted per 15125 dated 11/12/91								
WTRY-FM	LIC	BARRY W SINS, RECEIVER	252A	3	42-44-43	107.1	115.5	31
ROTTERDAM		NY BLH-870325KI	98.3	100	74-04-10	288.0	84.45	CLEAR
Was WSHZ 11/01/91 per FCC release #171 dated 11/15/91								
WNYR-FM	LIC	LAKE COUNTRY BROADCASTIN	253A	1.45	42-48-22	257.0	119.9	31
WATERLOO		NY BLH-890426KB	98.5	136	76-50-47	76.0	88.92	CLEAR
Call Granted 04/11/89								

>> End of channel 250A study <<

\*\* Research indicates correct WPXY-FM coordinates are N 43-08-07, W 77-35-02. These coordinates have been used in all contour protection allocation analysis.



WPXY-FM Lic. Antenna Site  
N 43-08-07 W 77-35-02

WPXY-FM 54dBu

WPXY-FM 40dBu

Prop. 60dBu

WPXY-FM (Lic.) Ch. 250A

Prop. Ch. 250A

Prop. 34dBu

Source: Aeronautical Sectional Base Map  
Proposed 60dBu & WPXY-FM 54dBu Contours Based on FCC F(50,50) Curves;  
Proposed 34dBu & WPXY-FM 40dBu Contours Based on FCC F(50,10) Curves.

CONTOUR PROTECT

NEW HORIZONS F  
Whitesboro  
FM Channel  
2.9kW, 12  
May 1'

FIGURE 4B



47°30' 43° 07' 30" 450 000 FEET (1 SOUTH BUTLER 0.6 MI. WOLCOTT 7.8 MI. 76°45' 76°45' 00" 47°30' 47°30'

43° 05' 00" SAVANNAH

TEZUMA

ARSH

43° 02' 30"

1 MILE  
0 1000 2000 3000 4000 5000 6000 7000 FEET  
0 5 10 KILOMETER



Service contours based on FCC F(50,50) curves

Title: WHITEBORO, NY  
Channel: 250

Bearing (degrees)	HAAT (meters) (feet)	ERP (kilowatts) (dBk)	70 dBu (3.16 mV/m) contour	60 dBu (1 mV/m) contour
.0	206.4 677.2	2.900 4.624	19.5 km 12.1 mi	33.5 km 20.8 mi
45.0	218.5 716.9	2.900 4.624	20.1 km 12.5 mi	34.4 km 21.4 mi
* 54.0	218.6 717.2	2.900 4.624	20.1 km 12.5 mi	34.4 km 21.4 mi
90.0	148.3 486.5	2.900 4.624	16.5 km 10.2 mi	28.5 km 17.7 mi
135.0	9.6 31.5	2.900 4.624	7.5 km 4.6 mi	13.2 km 8.2 mi
180.0	79.5 260.8	2.900 4.624	12.0 km 7.4 mi	21.5 km 13.4 mi
225.0	8.7 28.5	2.900 4.624	7.5 km 4.6 mi	13.2 km 8.2 mi
* 240.0	55.2 181.1	2.900 4.624	10.2 km 6.3 mi	18.0 km 11.2 mi
* 250.0	92.7 304.1	2.900 4.624	12.9 km 8.0 mi	23.2 km 14.4 mi
* 260.0	125.4 411.4	2.900 4.624	15.0 km 9.3 mi	26.6 km 16.5 mi
* 265.0	146.8 481.6	2.900 4.624	16.4 km 10.2 mi	28.4 km 17.6 mi
270.0	164.1 538.4	2.900 4.624	17.5 km 10.9 mi	29.9 km 18.6 mi
* 275.0	176.9 580.4	2.900 4.624	18.2 km 11.3 mi	31.0 km 19.3 mi
* 285.0	190.9 626.3	2.900 4.624	18.8 km 11.7 mi	32.2 km 20.0 mi
* 300.0	189.6 622.0	2.900 4.624	18.8 km 11.7 mi	32.1 km 19.9 mi
315.0	194.0 636.5	2.900 4.624	19.0 km 11.8 mi	32.4 km 20.2 mi
-----				
HAAT:	128.6 422.0			

Interference contours based on FCC F(50,10) curves

Title: NEW HORIZONS BROADCASTING - WHITESBORO, NY  
Channel: 250

Bearing (degrees)	HAAT (meters) (feet)	ERP (kilowatts) (dBk)	34 dBu (.05 mV/m) contour
.0	206.4 677.2	2.900 4.624	112.8 km 70.1 mi
45.0	218.5 716.9	2.900 4.624	114.3 km 71.0 mi
* 54.0	218.6 717.2	2.900 4.624	114.3 km 71.0 mi
90.0	148.3 486.5	2.900 4.624	105.1 km 65.3 mi
135.0	9.6 31.5	2.900 4.624	83.5 km 51.9 mi
180.0	79.5 260.8	2.900 4.624	94.0 km 58.4 mi
225.0	8.7 28.5	2.900 4.624	83.5 km 51.9 mi
* 240.0	55.2 181.1	2.900 4.624	89.5 km 55.6 mi
* 250.0	92.7 304.1	2.900 4.624	96.3 km 59.9 mi
* 260.0	125.4 411.4	2.900 4.624	101.6 km 63.1 mi
* 265.0	146.8 481.6	2.900 4.624	104.9 km 65.2 mi
270.0	164.1 538.4	2.900 4.624	107.4 km 66.7 mi
* 275.0	176.9 580.4	2.900 4.624	109.2 km 67.8 mi
* 285.0	190.9 626.3	2.900 4.624	110.9 km 68.9 mi
* 300.0	189.6 622.0	2.900 4.624	110.8 km 68.8 mi
315.0	194.0 636.5	2.900 4.624	111.3 km 69.2 mi
-----			
	HAAT: 128.6 422.0		

Note: Bearing(s) denoted by "\*" not included in HAAT calculation.

INDEPENDENT BROADCAST CONSULTANTS  
TRUMANSBURG, NYPage 1  
April 9, 1992

## Terrain Averages from NGDC 30-second Topographic database

Job Title: WHITESBORO, NY

Latitude: 43-03-27  
Longitude: 75-25-04

Bearing (Degrees true)	3.0 to 16.0 kilometer average terrain elevation (meters)	3.0 to 16.0 kilometer average terrain elevation (feet)
.0	174.3	571.9
45.0	162.2	532.2
* 54.0	162.1	531.8
90.0	232.4	762.5
135.0	371.1	1217.5
180.0	301.2	988.2
225.0	372.0	1220.5
* 240.0	325.5	1067.9
* 250.0	288.0	944.9
* 260.0	255.3	837.6
* 265.0	233.9	767.4
270.0	216.6	710.6
* 275.0	203.8	668.6
* 285.0	189.8	622.7
* 300.0	191.1	627.0
315.0	186.7	612.5
Average:	252.1	827.1
* = Radial not included in average		
Average ( 9) radials:	251.2	824.1
Average (12) radials:	251.4	824.8
Average (18) radials:	250.6	822.2
Average (24) radials:	250.1	820.5
Average (36) radials:	250.0	820.2
Average (72) radials:	249.8	819.6

FIGURE 6A

PREDICTED SERVICE/INTERFERENCE CONTOURS

Radio Station WPXY-FM  
Rochester, NY

PRESUMED MAXIMUM FACILITIES:  
Ch. 250B (97.9 MHz.); 50.5 kW, 150m AAT

Latitude: 43° 08' 07"  
Longitude: 77° 35' 02"

BEARING (°T)	AVERAGE	RADIATION CTR.	ERP	PROTECTED	INTERFERING
	TERRAIN (m & ft)	HAAT (meters & feet)	(kW) (dBk)	54dBu F(50,50)	40dBu F(50,10)
0°T	116.9 m. 383.5 ft.	181.4 m. 595.2 ft.	50.0 16.99	68.4 km. 42.5 mi.	142.0 km. 88.2 mi.
45°T	112.0 m. 367.5 ft.	186.3 m. 611.2 ft.	50.0 16.99	69.2 km. 43.0 mi.	142.6 km. 88.6 mi.
* 60°T	132.3 m. 434.1 ft.	166.0 m. 544.6 ft.	50.0 16.99	67.1 km. 41.7 mi.	139.0 km. 86.9 mi.
* 70°T	136.8 m. 448.8 ft.	161.5 m. 529.9 ft.	50.0 16.99	66.5 km. 41.3 mi.	139.3 km. 86.6 mi.
* 80°T	141.2 m. 463.3 ft.	157.1 m. 515.4 ft.	50.0 16.99	66.0 km. 41.0 mi.	138.7 km. 86.2 mi.
90°T	135.8 m. 445.5 ft.	162.5 m. 533.2 ft.	50.0 16.99	66.7 km. 41.4 mi.	139.4 km. 86.6 mi.
*100°T	137.2 m. 450.1 ft.	161.1 m. 528.6 ft.	50.0 16.99	66.5 km. 41.3 mi.	139.2 km. 86.5 mi.
*110°T	138.1 m. 453.1 ft.	160.2 m. 525.6 ft.	50.0 16.99	66.4 km. 41.2 mi.	139.1 km. 86.4 mi.
*120°T	148.1 m. 485.9 ft.	150.2 m. 492.8 ft.	50.0 16.99	65.1 km. 40.4 mi.	137.8 km. 85.6 mi.
135°T	157.7 m. 517.4 ft.	140.6 m. 461.3 ft.	50.0 16.99	63.8 km. 39.6 mi.	136.5 km. 84.8 mi.
180°T	189.3 m. 621.1 ft.	109.0 m. 357.6 ft.	50.0 16.99	58.7 km. 36.5 mi.	132.0 km. 82.0 mi.
225°T	167.8 m. 550.5 ft.	130.5 m. 428.2 ft.	50.0 16.99	62.3 km. 38.7 mi.	135.1 km. 83.9 mi.
270°T	170.3 m. 558.7 ft.	128.0 m. 420.0 ft.	50.0 16.99	61.9 km. 38.5 mi.	134.7 km. 83.7 mi.
315°T	136.8 m. 448.8 ft.	161.5 m. 529.9 ft.	50.0 16.99	66.5 km. 41.3 mi.	139.3 km. 86.6 mi.
Average:	148.3 m. 486.6 ft.	150.0 m. 492.1 ft.			

\* Radial excluded from average

FIGURE 6B

INDEPENDENT BROADCAST CONSULTANTS  
TRUMANSBURG, NY

Terrain Averages from NGDC 30-second Topographic database

Job Title: WPXY-FM ROCHESTER, NY

Latitude: 43-08-07

Longitude: 77-35-02

Bearing (Degrees true)	3.0 to 16.0 kilometer average terrain elevation		Height above average terrain	
	(meters)	(feet)	(meters)	(feet)
.0	Adjusted: 106.1	348.1	Adj: 190.9	626.3
45.0	Adjusted: 116.9	383.5	Adj: 181.4	595.2
* 60.0	112.0	367.5	Adj: 185.0	607.0
* 70.0	132.3	434.1	Adj: 186.3	611.2
* 80.0	136.8	448.8	Adj: 164.7	540.4
90.0	135.8	445.5	Adj: 166.0	544.6
* 100.0	137.2	450.1	Adj: 160.2	525.6
* 110.0	138.1	453.1	Adj: 161.5	529.9
* 120.0	141.2	463.3	Adj: 155.8	511.2
135.0	135.8	445.5	Adj: 157.1	515.4
180.0	135.8	445.5	Adj: 161.2	528.9
225.0	137.2	450.1	Adj: 162.5	533.2
270.0	137.2	450.1	Adj: 159.8	524.3
315.0	138.1	453.1	Adj: 161.1	528.6
Average:	Adjusted: 147.0	482.3	Adj: 158.9	521.3
	Adjusted: 148.3	486.6	Adj: 160.2	525.6
			Adj: 148.9	488.5
			Adj: 150.2	492.8
			Adj: 139.3	457.0
			Adj: 140.6	461.3
			Adj: 107.7	353.3
			Adj: 109.0	357.6
			Adj: 129.2	423.9
			Adj: 130.5	428.2
			Adj: 126.7	415.7
			Adj: 128.0	420.0
			Adj: 160.2	525.6
			Adj: 161.5	529.9
			Adj: 150.0	492.1
			Adj: 150.0	492.1

\* = Radial not included in average

NOTE: In accordance with § 73.313, elevations used in the calculation of average terrain on the WPXY-FM 0°T radial were limited to those from that of 3.0 km. to that of 12.6 km, the Lake Ontario shoreline. See FIGURE 6C for tabulation. Radiation center amended accordingly to a hypothetical 298.3m AMSL to reflect the above-referenced adjustment.



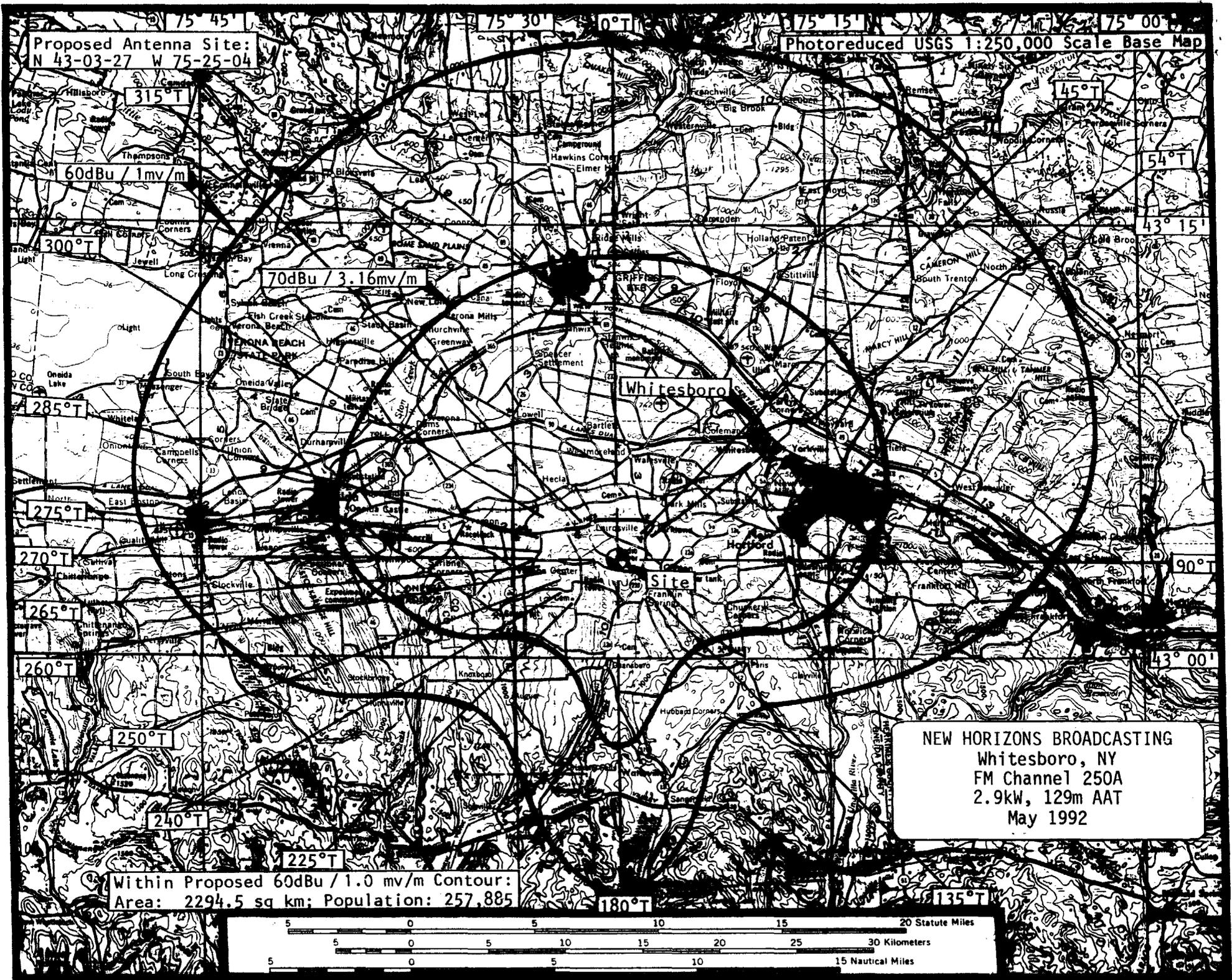


FIGURE 7

FIGURE 2  
 ELEVATION AND CONTOUR DATA  
 ROME SENTINEL COMPANY  
 WRUN-FM 104.3 MC 101 KW-ERP  
 UTICA, NEW YORK

RADIAL AND BEARING	AVERAGE ELEVATION AMSL 2 - 10 MILES	EFFECTIVE ANTENNA HEIGHT	RADIATED POWER	PREDICTED CONTOUR DISTANCE	
				1000 $\mu\text{V}/\text{m}$	50 $\mu\text{V}/\text{m}$
A N 35° E	495 ft.	800 ft.	19.91 dbk	47.0 mi.	83.9 mi.
B 75°	519	776	19.91	46.9	82.5
C 120°	998	297	19.91	33.2	67.2
D 160°	1109	186	19.91	28.5	61.0
E 200°	1214	81	19.91	21.9	52.0
F 245°	994	301	19.91	33.2	67.0
G 280°	651	644	19.91	43.5	79.0
H 320°	617	678	19.91	44.3	80.5
I 355°	601	694	19.91	44.4	80.6

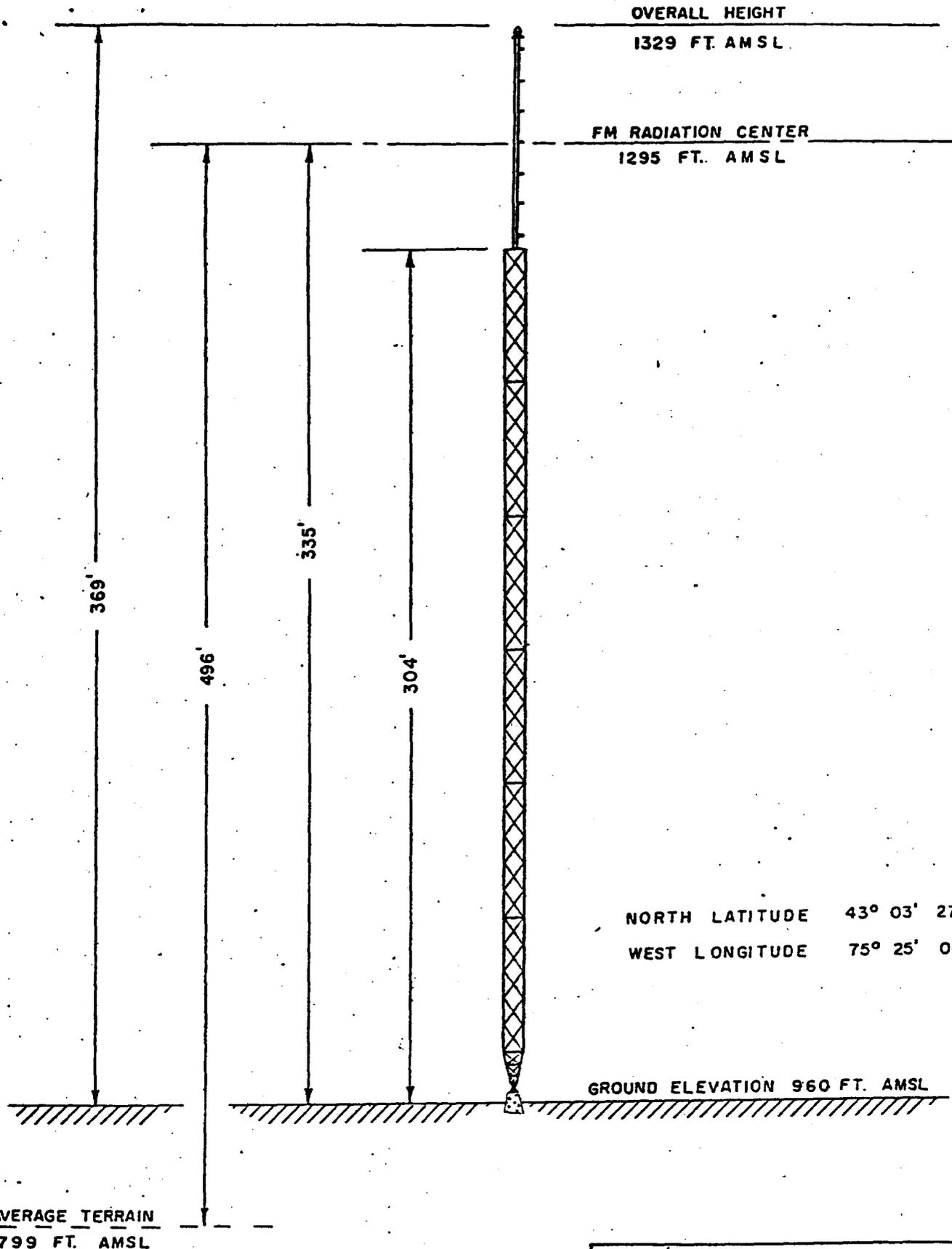
Source: WKGW (formerly WRUN-FM) construction permit application for frequency change and increase in effective radiated power, BPH-3152, September, 1960.

Lohnes and Culver

Prepared by

Washington 4, D.C.

August 1960



NORTH LATITUDE 43° 03' 27"  
WEST LONGITUDE 75° 25' 04"

GROUND ELEVATION 960 FT. AMSL

AVERAGE TERRAIN  
799 FT. AMSL

Source: WKGW application BPH-781019AE for changes in antenna system and increase in effective radiated power, October 1978.

Not to Scale

FIGURE 1  
ANTENNA SKETCH  
WKGW/FM, INC.  
WKGW-FM 104.3 MC 100KW-FR  
UTICA, NEW YORK