

Exhibit 1

Engineering Statement in support of
FCC FORM 340
APPLICATION FOR CONSTRUCTION PERMIT FOR RESERVED CHANNEL
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION
(For a New Station)

Introduction:

This is an application by WAMC (the Applicant) for a new NCE FM Radio Station serving the community of Stamford New York.

The proposed facility's 60 dBu service contour encompasses a total land area of 1622 km² and contains 16,976 persons based on the US Census year 2000 block level data. See Exhibit 1B.

The proposed facility will provide first service NCE to 14,375 individuals and second service NCE to 2,601 individuals of the covered population. This satisfies the requirements for 307(b) preference. See Exhibit 11

The site is 226 km from the Canadian border. The proposal's 34dBu interfering contour does not cross the international border.

This proposal will be implemented on an existing tower, ASR #1006452 in Stamford, NY. The overall height of the structure will not be changed by this proposal.

This proposal is in compliance with 73.525 in that the population within the predicted TV6 interference zone is less than 3000. The applicant has chosen to operate mixed polarity power. The study was performed at 0.025 kW. The requested ERP is 0.21kW horizontal and 0.15kW vertical. There are no cities with a population of 50,000 or more in or near the interference zone. See Exhibit 19, 19A, B & C.

The proposed facility is in compliance with 47 C.F.R. Section 1.1306 with regards to radio-frequency electromagnetic exposure. See Exhibit 22.

This application was prepared using USGS 03-arc-second terrain data.

The closest FCC Monitoring Station is Canandaigua, New York, which is 227 km from the proposed site. The proposal is sufficiently distant from all facilities mentioned in 73.1030(a) & (b). Therefore this application complies with the notification requirements of 73.1030.

Joseph M. DiPietro, P.E.
RFEngineers, Inc.
October 2007

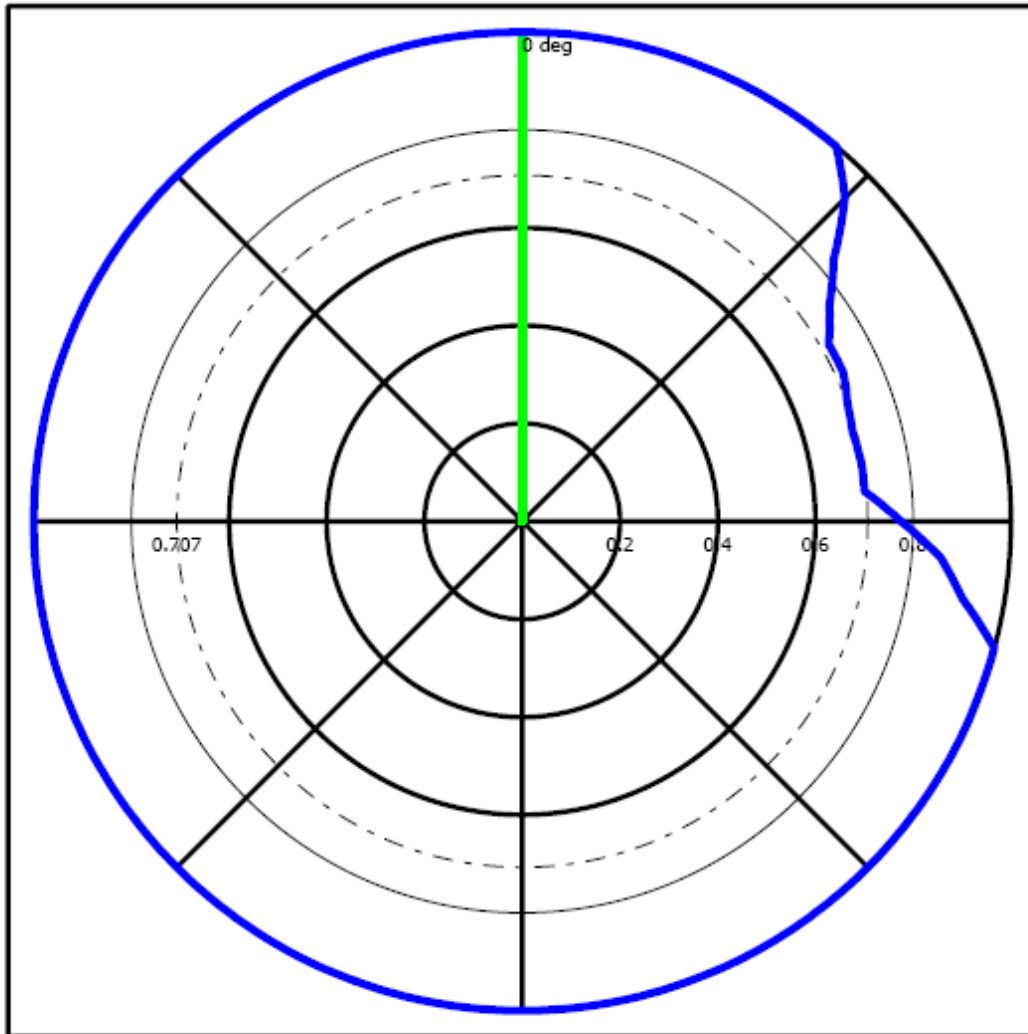
Section VII Engineering Data:

Tech Box Data:

1. Channel 211
2. Class A
3. Antenna Location Coordinates
42° 23' 57" N
074° 35' 23" W
4. Proposed Assignment Coordinates, Not Applicable
5. Antenna Structure Registration, 1006452
6. Overall Tower Height, 36 meters AGL
7. Radiation Center Height, 1005 meters (H) 1005 meters (V) AMSL
8. Radiation Center Height, 25 meters (H) 25 meters (V) AGL
9. Radiation Center Height, 405 meter (H) 405 meter (V) HAAT
10. ERP, 0.021 kW (H) 0.150 kW (V)
11. Maximum ERP if beamtilt used, Not Applicable
12. Directional Antenna, Yes. See Exhibit 1A.
13. Main Studio Location, waiver requested.
14. Community Coverage, Yes, See Exhibit 14.
15. Interference, Yes.
 - a) Section 73.509, Checked. See Exhibits 16, Stations and Proposals requiring investigation.
 - b) Section 73.207, Checked. Clear of all domestic and International stations and authorizations.
 - c) Section 73.213, Not Checked. Not Applicable.
 - d) Section 73.215, Not Checked. Not Applicable
 - e) Section 73.525, Checked. See Exhibit 16 and 19.
16. Reserved Channel above 220, Not Applicable
17. International Border, No, Canada 162 km
18. NEPA, Yes. Operation of this facility will not have a significant environmental impact. To the best knowledge of the Applicant:
 - a) The existing structure is not located in an officially designated wilderness area or wildlife preserve.
 - b) The existing structure does not threaten the existence or habitat of endangered species.
 - c) The existing structure will not involve high intensity white lighting in a residential neighborhood.
 - d) The existing structure will not affect districts, sites, buildings, structures or objects significant in American history, architecture, engineering or culture that are listed in the National Register of Historic Places, or are eligible for listing.
 - e) The existing structure does not affect Indian religious sites.
 - f) The site is not located in a flood plain.
 - g) Nothing is proposed that would require significant changes in surface features such as wetland fill, deforestation or water diversion.
 - h) This proposal complies with the FCC established guidelines regarding exposure to RF electromagnetic fields, See Exhibit 22.
19. Community of License Change, Not Applicable.

Exhibit 1A

Antenna Parameters.



Degree	Field	Degree	Field	Degree	Field	Degree	Field	Degree	Field	Degree	Field
000	1.000	060	0.724	120	1.000	180	1.000	240	1.000	300	1.000
010	1.000	070	0.708	130	1.000	190	1.000	250	1.000	310	1.000
020	1.000	080	0.704	140	1.000	200	1.000	260	1.000	320	1.000
030	1.000	090	0.775	150	1.000	210	1.000	270	1.000	330	1.000
040	1.000	100	0.915	160	1.000	220	1.000	280	1.000	340	1.000
050	0.832	110	1.000	170	1.000	230	1.000	290	1.000	350	1.000

Exhibit 1B

60dBu Contour Area and Population.

The proposed facility's 60 dBu service contour encompasses a total area of 1622 km² and contains 16,976 persons based on the US Census year 2000 block level data. No adjustments were made for large areas of water since there were none within the contour. See the Land-Use-Land-Characterization map below.

The contour was created using the methods and procedures described in 47 C.F.R. Section 73.313(c). The area was calculated using a spline integration in one-degree increments. The population was calculated by testing each US Census defined population point in the region with a point-in-polygon method. The population was summed for each point within the 60dBu polygon using data from the 2000 US Census.



Exhibit 11

Fair Distribution

Using the centroid method for calculating population, based on Census 2000 census block data, the number of people residing within the radio station's 60 dBu (1 m/Vm) service contour (calculated based on the standard curves in 47 C.F.R. Section 73.313(c)) is:

16,976

Ten percent of the total population is:

1,698

The number of people within the radio station's 60 dBu (1 m/Vm) service contour who will receive a first NCE aural service from the proposed facility is:

14,375 (84.7%)

The number of people within the radio station's 60 dBu (1 m/Vm) service contour who will receive a second NCE aural service from the proposed facility is:

2,601 (15.3%)

Exhibit 14

Community-of-License Coverage

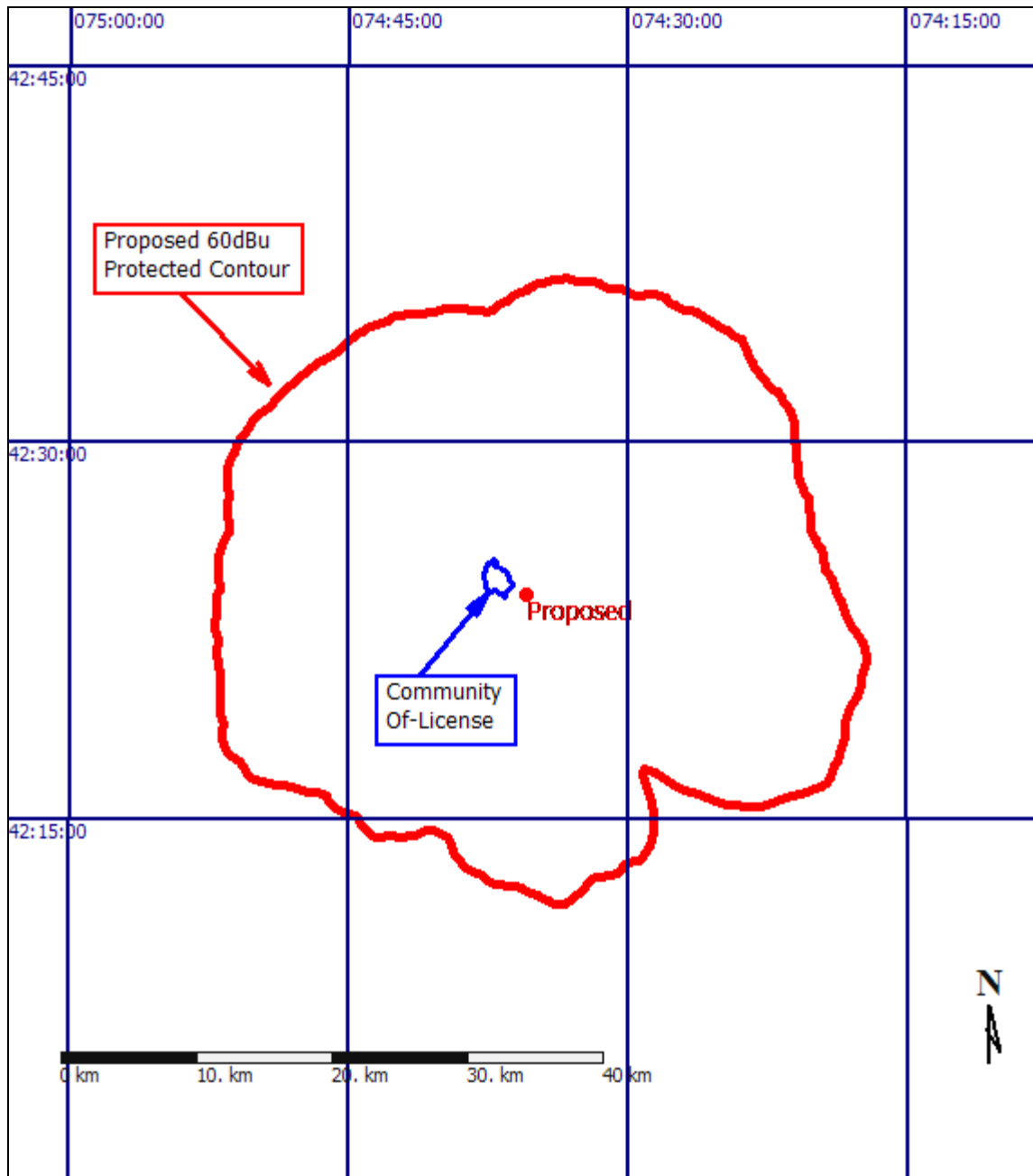


Exhibit 16

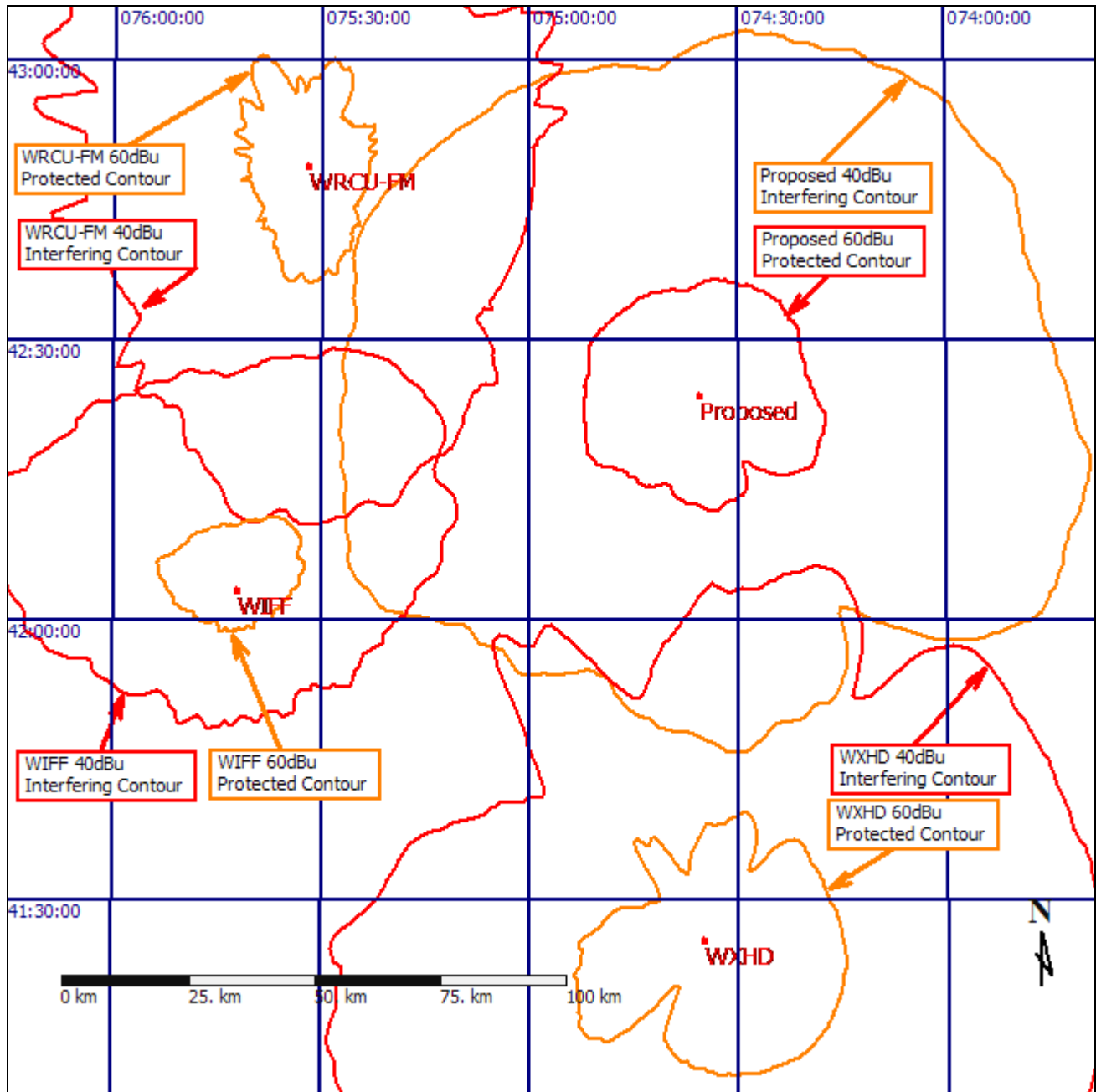
Stations and Authorizations Requiring Investigation

ID	City	St	Chan	CL	Stat	Prefix	ARN	Dist
WRCU-FM	HAMILTON	NY	211	A	LIC	BLED	19790510AF	89.88
WIFF	BINGHAMTON	NY	211	A	LIC	BLED	19950620KC	99.56
WFGB	KINGSTON	NY	209	B	LIC	BLED	19911121KB	53.59
WXHD	MOUNT HOPE	NY	211	A	LIC	BLED	19950306KD	108.02
WJFF	JEFFERSONVILLE	NY	213	B1	LIC	BLED	19940318KC	66.8
WAMC-FM	ALBANY	NY	212	B	LIC	BMLED	19910528KA	119.74
WRHO	ONEONTA	NY	209	A	LIC	BLED	19820810AA	40.4

FM Stations and Authorizations

Exhibit 16A

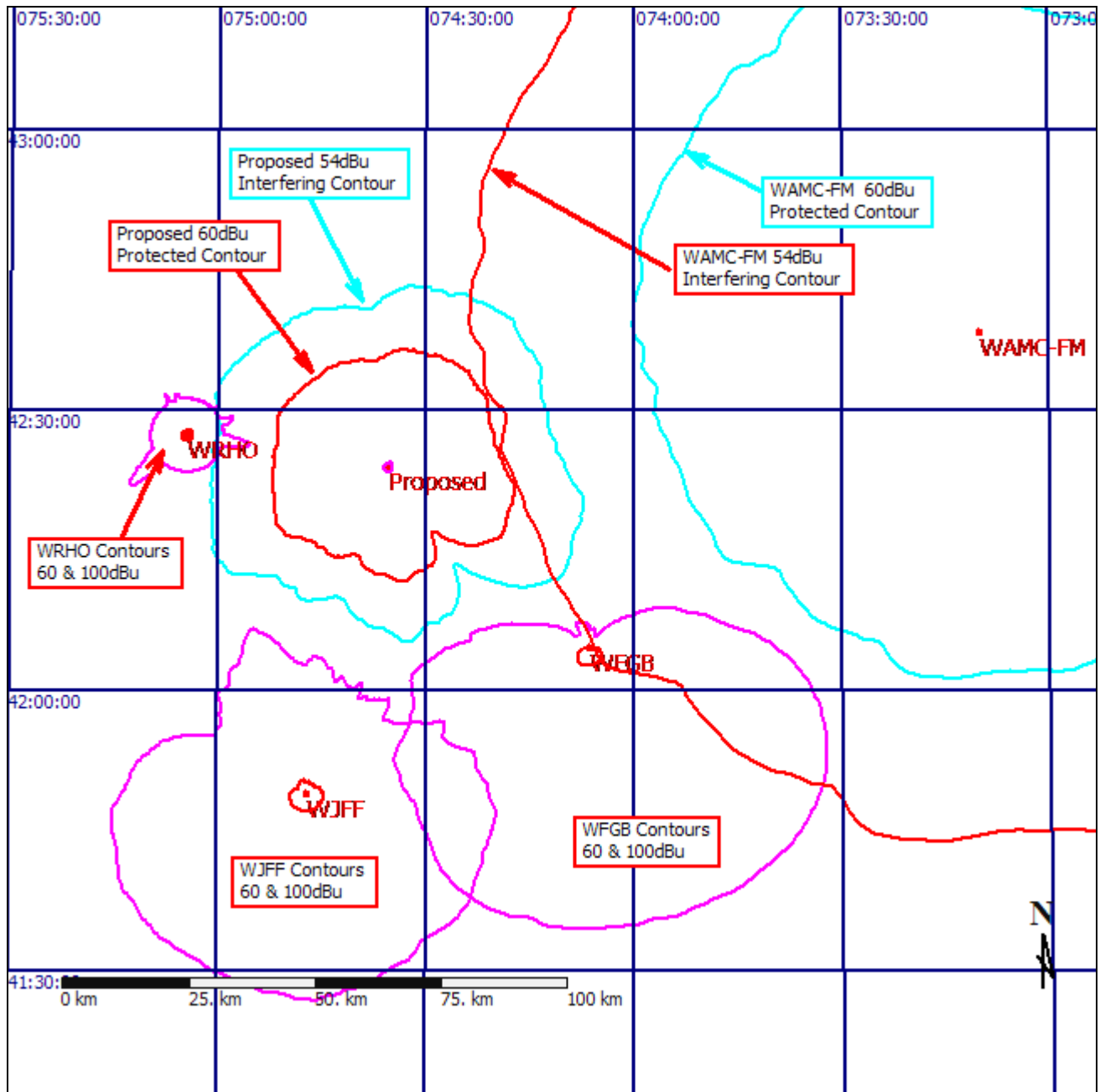
Co-Channel Contour Protection



Contours are color-coded so that prohibited overlap is indicated by LIKE color contours overlapping.

Exhibit 16B

Adjacent Contour Protection



Contours are color-coded so that prohibited overlap is indicated by LIKE color contours overlapping.

Exhibit 16B

Adjacent Contour Closeup

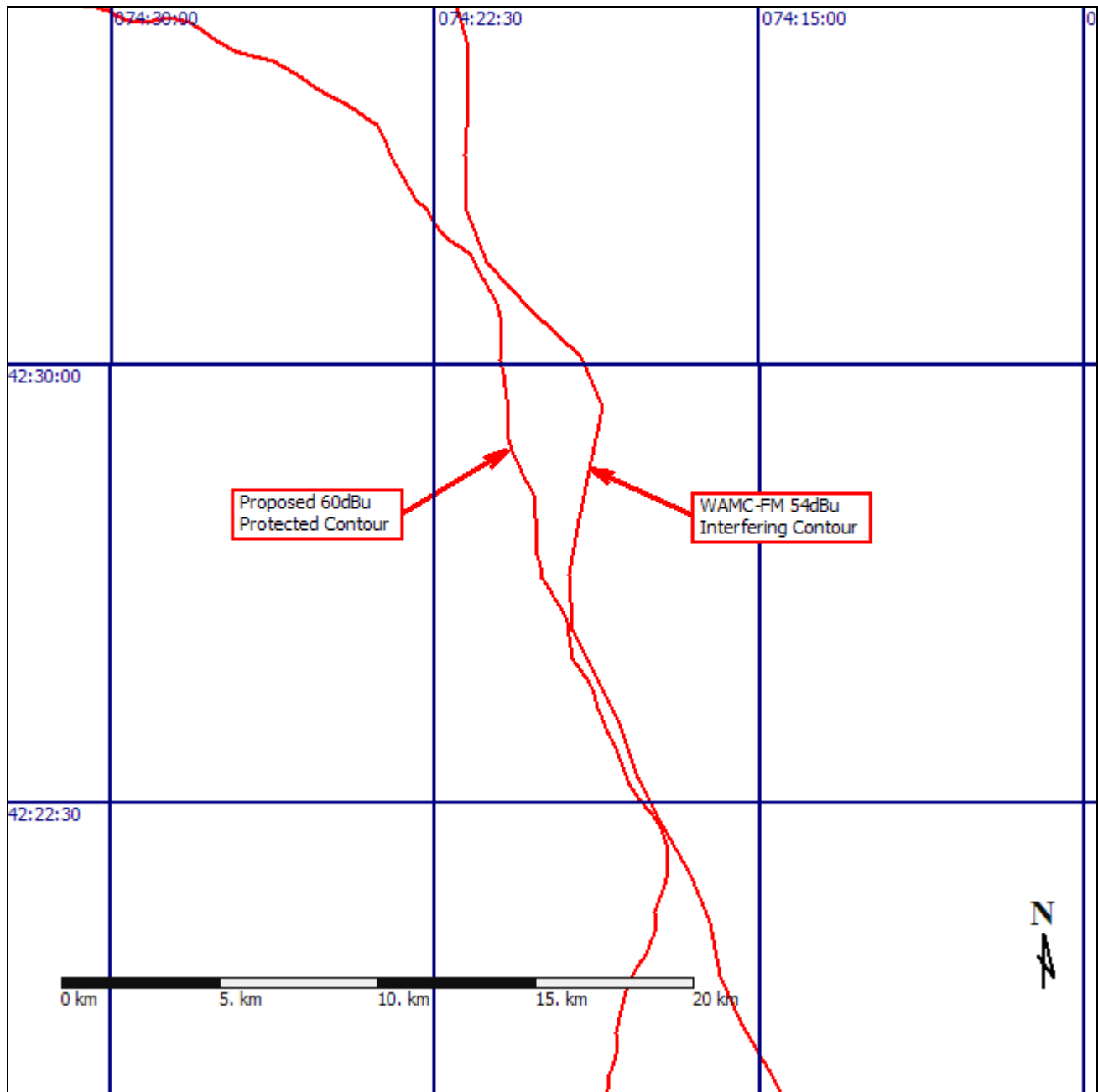


Exhibit 19

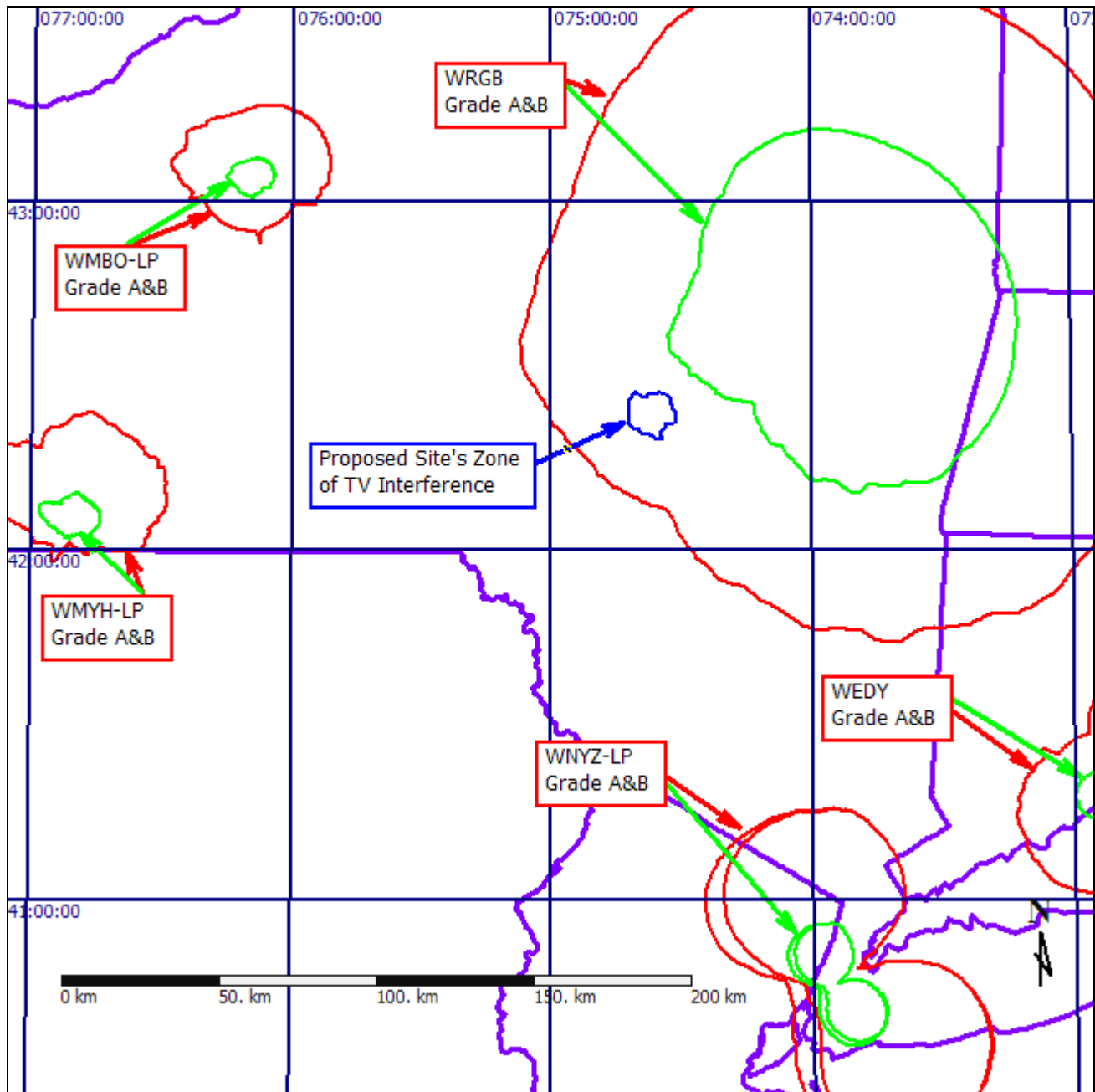
TV-6 Interference Study

This proposal is short under 73.207 spacing rules to the following TV channel 6 stations and authorizations.

ID	City	St	Chan	Dist	Min 207	Clear 207
WRGB	SCHENECTADY	NY	6	55.48	196	-140.52
WMBO-LP	WESTVALE	NY	6	148.47	196	-47.53
WEDY	NEW HAVEN	CT	6	183.49	196	-12.51
WMYH-LP	ELMIRA	NY	6	190.51	196	-5.49
WNYZ-LP	NEW YORK	NY	6	191.22	196	-4.78
WNYZ-LP	NEW YORK	NY	6	191.22	196	-4.78

Exhibit 19A

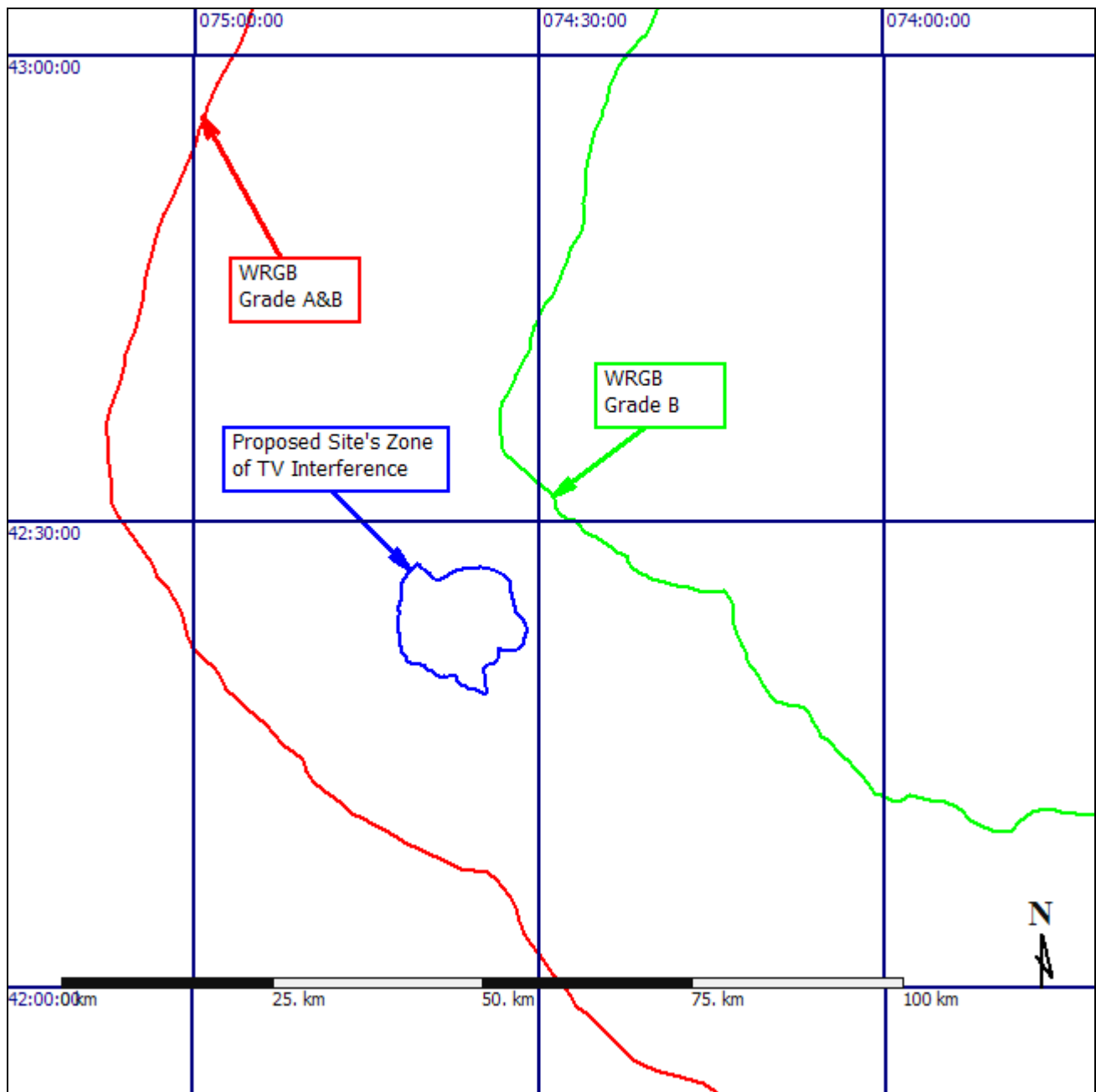
TV-6 Interference Study Overview



No TV-6 Interference with WMYH-LP, WMBO-LP, WNYZ-LP or WEDY.

Exhibit 19B

TV-6 Interference Study Closeup



Interference zone between the proposal and WRGB.

Exhibit 19C

TV-6 Interference Study WRGB

FM Station: Proposed
: Channel 211
: Antenna Height 1005 meters AMSL
: Max ERP 0.025 kW
: Latitude 42.3992462158203
: Longitude -74.5893173217773

TV Station: WRGB
: Antenna Height 555 meters AMSL
: Max ERP 93.3 kW
: Latitude 42.6367361111111
: Longitude -73.9954166666667

Population and Area in Predicted Interference Zone:
Census Block Data:
Polygon 1
Pop Count = 2961
Interference Zone Area = 163.3km^2

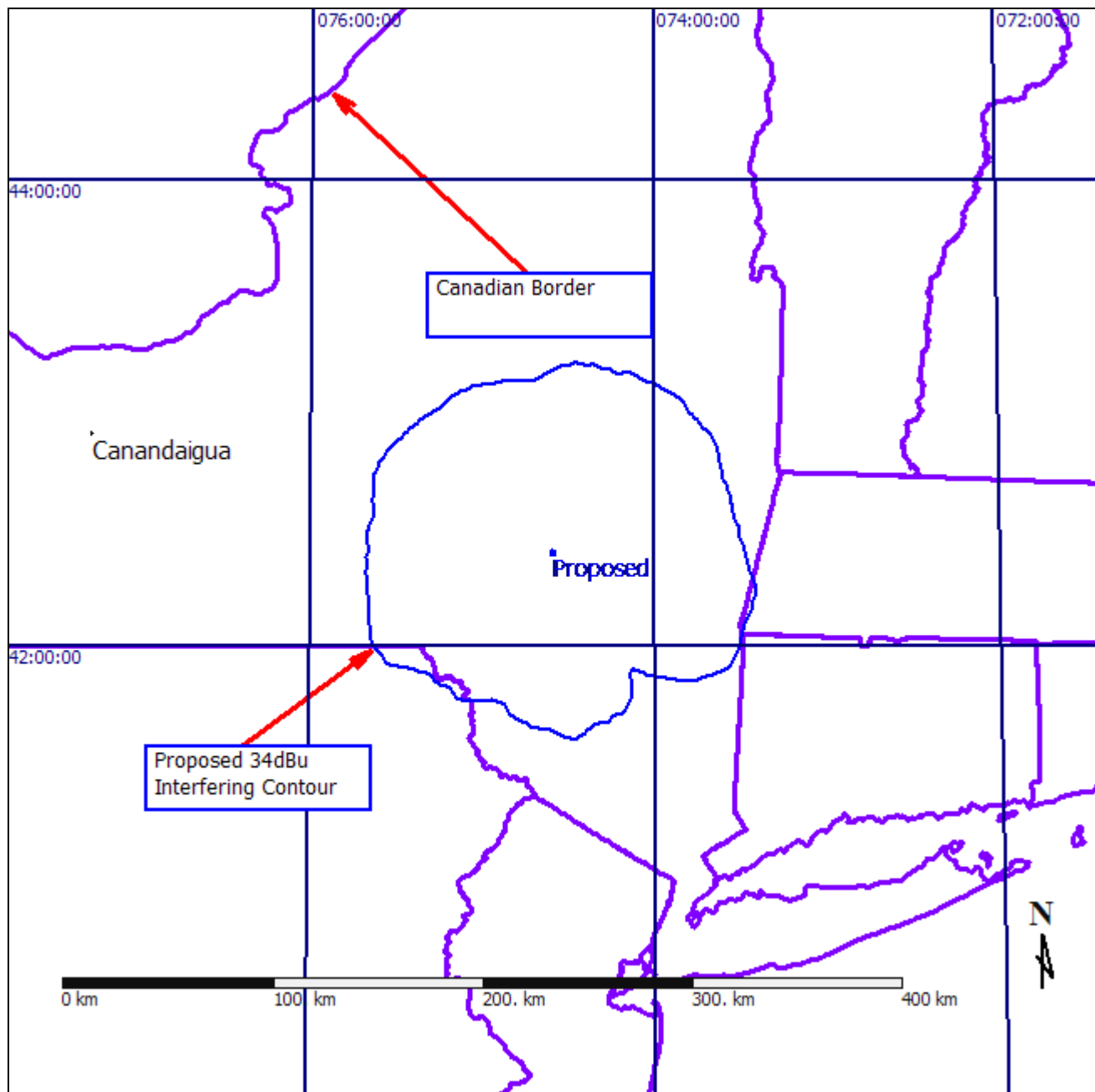
Options:
Apply 6dB Adjustment for Receive Antenna: Yes

Range of TV Station Contours: 53.00dBu to 63.00dBu

TV Protected Contour (dBu)	Desired To Undesired (dBu)	FM Interfering Contour (dBu)
-----	-----	-----
53.00	13.00	66.00
54.00	12.00	66.00
55.00	11.00	66.00
56.00	10.10	66.10
57.00	9.30	66.30
58.00	8.50	66.50
59.00	7.60	66.60
60.00	6.90	66.90
61.00	6.10	67.10
62.00	5.50	67.50
63.00	4.90	67.90

Exhibit 21

International Border



34dBu Interfering Contour does not cross International Border.

Exhibit 22

RF Exposure

The Applicant will cooperate with all site users, managers and owners with regard to the cessation of operation or the reduction of operating power, whenever it is necessary to comply with the FCC Regulations and Guidelines on Human Exposure to Non-Ionizing RF Radiation.

The modeled contribution to the RF environment, 2-meters above the ground, by the proposed facility is less than 2.5 uW/cm^2 , or 1.25%, of the maximum permitted value for general public exposure (0.25% of the occupational exposure level). This result was obtained using the FCC's FM Model computer program.

The following parameters were used to calculate the exposure level:

Horizontal ERP 0.021 kW
Vertical ERP 0.150 kW
Antenna Radiation Center Height AGL 25 meters
Test Height, 2 meters AGL
Antenna Type 1-Bay Shively 6810

There are no occupied tall structures within 50 meters of the tower. The ground does not rise significantly around the tower.

Since the modeled contribution to the RF environment by proposed facility is less than 5% of the permitted level for public exposure this application is excluded from routine evaluation. See 1.1307(b)(3)(i).

Based on this information the proposed facility is in compliance with 47 C.F.R. Section 1.1306 with regards to radio-frequency electromagnetic exposure.

RF Exposure Analysis Performed by:
Joseph M. DiPietro, P.E.
RFEEngineers, Inc.
10 October 2007