



Application for a Technical Amendment to a Broadcasting Licence for an Analog Radio Programming Undertaking

GENERAL INSTRUCTIONS

1. FILING

- Electronically by attaching it to the [Cover Page](#), which is available on our web site under "File or Register". One hard copy version must also be sent to the Secretary General, CRTC, Ottawa, Ontario, K1A 0N2. The onus is on the applicant/licensee to ensure that the electronic version is identical to the hard copy version.
- When filing your application electronically, please ensure that the file name of the electronic documents attached to your application form reflects the ascending order in which they should appear on the public file and that each file name include a brief description of the document content. For example, "Doc1-brief description of document"; "Doc2-brief description of document", and so forth. This will ensure that the application and all related documents are presented in the correct order once they are made available for public viewing.
- If the application is not filed electronically, one original and five copies must be filed with the Commission at the following address: Secretary General, CRTC, Ottawa, Ontario, K1A 0N2.

2. INSTRUCTIONS

- The following questionnaire is in HTML format and may be downloaded to the word processing software of your choice. This enables you to complete the downloaded questionnaire by inserting your response immediately following the question. The tables in the questionnaire enable the addition of necessary rows.
- You must file the Application Brief, which includes the questions and responses, and the Book of Supporting Documents, identified as Appendices in the questionnaire.
- The Application Brief, filed electronically or otherwise, must be divided into sections, and include the numbered questions, as set out in the questionnaire, each followed by the corresponding response.
- Where the Application Brief is filed electronically, all available documentation that forms part of the Book of Supporting Documents, except confidential material, must also be filed in electronic format.
- Complete the General Information section and then complete only those sections that relate to the proposed amendment(s).
- If you wish to enhance or clarify your application, such information should be filed as a **Supplementary Brief** identified as **APPENDIX 1A** in the Book of Supporting Documents.
- In the case of a proposal for a conversion from AM to FM, the licensee should obtain and complete application questionnaire CRTC 101-Application To Obtain A New

Broadcasting Licence To Carry On A Commercial Radio Programming Undertaking.

- The Commission will not process the application if required technical documentation has not been filed with Industry Canada.

3. PUBLIC EXAMINATION FILE

- Copies of the Commission's letters requesting further information and copies of your replies form part of the application and must be available for examination by the public.

4. CONFIDENTIALITY REQUESTS

- Portions of the application may be treated as confidential, at your request, pursuant to section 20 of the *CRTC Rules of Procedure*.
- The onus is on the licensee to request confidentiality for the information or material and to clearly demonstrate that the public interest will best be served by treating the information as confidential. For further information, refer to Circular No. 429 dated 19 August 1998.
- The Commission has increased its security with epass authentication. The full security features of epass will be available in Summer 2004. You may choose to submit **CONFIDENTIAL** information using the electronic cover page, on diskette or cd-rom or in hard copy format. All **CONFIDENTIAL** information must clearly be marked as **CONFIDENTIAL**.

For Commission's use

Application number

Canadian Radio-television and Telecommunications Commission

**Application for a Technical Amendment
to a Broadcasting Licence for an
Analog Radio Programming Undertaking**

1. GENERAL INFORMATION

LOCATION OF

UNDERTAKING: ARNPRIOR

CALL SIGN: CHMY-FM1

1.1 IDENTIFICATION OF LICENSEE

NAME: **MY BROADCASTING CORPORATION (MBC)**
ADDRESS: **BOX 961, RENFREW, ONTARIO K7V 4H4**
FAX: **(613) 432-1086**
E-MAIL: **andrew@myfmradio.ca**

CONTACT PERSON REPRESENTING THE LICENSEE
(if there is no appointed agent under question 1.2)

NAME: **ANDREW DICKSON**
TITLE: **SEC./TREAS.**
TELEPHONE: **(613) 432-6936**

Please indicate the E-Mail address and FAX number that should be specified in a Public Notice.

FAX: **(613) 432-1086**
E-MAIL: **andrew@myfmradio.ca**

1.2 APPOINTMENT OF AGENT

I, _____, the licensee, hereby appoint _____ as my agent for and on my behalf and in my name to sign, file and complete (if necessary) an application with the Canadian Radio-television and Telecommunications Commission and to sign and file a reply with respect thereto and I do hereby ratify, confirm, and adopt as my own act, such application and all replies made thereto.

Date:
At:
Signature:
ADDRESS OF AGENT:
TITLE:
TELEPHONE:
FAX:
E-MAIL:

1.3 DECLARATION OF LICENSEE OR ITS APPOINTED AGENT

I, ANDREW DICKSON SOLEMNLY DECLARE THAT:

- a) I am the REPRESENTATIVE (representative/appointed agent) of the licensee named in this Application Brief and as such have knowledge of all matters declared therein.
- b) The statements made in this application, or any document filed pursuant to any request for further information by the Commission, are (will be) to the best of my knowledge and belief true in all respects.
- c) The opinions and estimates given in this application, or any document filed pursuant to any request for further information by the Commission, are (will be) based on facts as known to me.
- d) I have examined the provisions of the *Broadcasting Act* and the broadcasting regulations relevant to this application.

AND I HAVE SIGNED

Signature: **Original signed**

Date: **August 2, 2006**

WITNESSED BY

Signature: **Original signed**

Name (Printed): **Jon Pole**

Date: **August 2, 2006**

At: **Renfrew, Ontario**

1.4 EXAMINATION BY THE PUBLIC

Indicate a location, within the area to be served, where the application may be examined by the general public. If several transmitters form part of your application, indicate a location within each area to be served.

ADDRESS(ES): ARNPRIOR PUBLIC LIBRARY 21 Madawaska, Arnprior, Ontario

2. TECHNICAL INFORMATION

Licenses are advised to consult with their broadcast engineering consultants when completing this section, to ensure that it is consistent with the Engineering Brief submitted to Industry Canada.

2.1 a) Have all required technical documents been filed with Industry Canada?

YES (**X**)

NO ()

b) I hereby authorize the Commission to include as part of this application any documents or correspondence filed with Industry Canada with respect to this application.

YES (**X**)

NO ()

If NO, explain.

2.2 Please provide the following technical information:

	PRESENT OPERATION	PROPOSED OPERATION	NOTE
Frequency	104.7 MHz	107.7 MHz	kHz for AM MHz for FM
Channel and Class	284LP	299	
Transmitter Power (for AM)	Watts	Watts	
MAXIMUM - ERP (for FM) (at beam-tilt angle)	50 Watts	1000 Watts	ERP = Effective radiated power If no beam-tilt is used, provide ERP in horizontal plane
AVERAGE - ERP (for FM) (at beam-tilt angle)	50 Watts	1000 Watts	ERP = Effective radiated power If no beam-tilt is used, provide ERP in

			horizontal plane
EHAAT - Effective Height Above Average Terrain	55 metres	45.5 metres	FM only
Antenna and Transmitter Site Coordinates	45-25-24 N. 76-20-42 W.	45-25-24 N. 76-20-42 W.	North Latitude West Longitude
Studio Location(s)	321B Raglan St. S. Renfrew, ON	321B Raglan St. S. Renfrew, ON	City and, where possible street address
Subsidiary Communications (SCMO)/Subsidiary Data	YES () NO (X)	YES () NO (X)	
Programming Feed Method(s)	Off Air	Off Air	Satellite, microwave, fibre optic cable, other (specify)
For Rebroadcasting Stations, identify station rebroadcast	CHMY-FM 96.1 MHz Renfrew, ON	CHMY-FM 96.1 MHz Renfrew, ON	Call Letters Frequency Location

SUPPORTING DOCUMENT TO BE APPENDED:

APPENDIX 2A A clearly legible copy of the maps required in the Engineering Brief submitted to Industry Canada, and which show the proposed coverage contours.

Additional maps must be submitted comparing the service contours of both the present and proposed operations.

In addition to the originals, the Commission encourages you to submit your proposed coverage area contours in a geographical information system (GIS) compatible file format (for example, .mid/.mif, .tab, .dxf, .dwg, .e00, .shp, .dgn). Also provide the map datum and projection used. This file can be submitted electronically or on a diskette.

APPENDIX 2B Documentation supporting the availability of the proposed transmitter site(s), if new site(s) involved.

3. FINANCIAL OPERATIONS

This section is applicable if the proposed technical amendment results in an INCREASED COVERAGE AREA.

THIS APPLICATION IS NOT TO INCREASE OUR COVERAGE AREA.

3.1 Complete the following table for each of the first 5 years of operation under the existing and the proposed scenario.

	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
REVENUE (after agency commissions) (\$000)					
Network					
National					
Local					
Other (Specify)					
TOTAL					

OPERATING EXPENSES					
(\$000)					
Programming					
Canadian Talent Development					
Technical					
Sales, Advertising and Promotion					
Administration and General					
TOTAL OPERATING EXPENSES					
NON-OPERATING EXPENSES					
(\$000)					
Depreciation					
Interest					
Other (Specify)					
TOTAL NON-OPERATING EXPENSES					
TOTAL EXPENSES					
Estimated pre-tax income (loss)					
Provision for Income Taxes					
NET INCOME (LOSS) AFTER TAXES (for broadcasting operations only)					

Questions 3.2 to 3.4 are to be completed only where the cost of the technical amendment exceeds \$100,000.

THIS UNDERTAKING DOES NOT EXCEED \$100,000.

3.2 Provide the following information regarding capital costs and facilities:

	Costs of Assets to be purchased (\$)	Value of Assets to be leased (\$)	Annual lease payment (\$)
Studio Plant			
Transmitting Plant			
Contingency			
TOTAL			

3.3 Specify the funds available to finance the proposed transaction:

Equity:

Debt:

Total:

3.4 a) Specify the individual sources of financing for the funds identified in question 3.3 (for example, Bank loans, share capital, other loans).

SOURCE	\$

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- b) Where financing is to be provided, in whole or in part, through debt securities, provide the list of proposed debt holders, including names, citizenship or jurisdiction of incorporation (or other form of constitution), designation and description of debt securities held, and the principal amount of each one.

SUPPORTING DOCUMENTS TO BE APPENDED:

APPENDIX 3A Documentation supporting the availability of each source of financing identified in question 3.4 if the cost of the technical amendment exceeds \$100,000. (NOTE:

- a) Where funds are to be provided, directly or indirectly, by a third party institution such as a bank, credit union, etc., submit a signed letter on the institution's stationery containing the following information:

"We have examined the financial projections of (Name of licensee) related to the application(s) before the Commission for a (type of application) to (location(s)) and we would be prepared to provide financing in the amount of (\$) under the following terms and conditions (specify ALL the terms and conditions), subsequent to a favorable decision by the Commission, for the purpose of providing capital and operating funds related to the undertaking(s)."

- b) Where funds are to be provided by an individual(s) whether for the purchase of share capital and/or the provision of debt securities, submit a signed statement of net worth from each individual, prepared and notarized within 3 months of the filing of the application.
- c) Where funds are to be provided, directly or indirectly, by a corporation or other legal entity other than the applicant or institutions in (a) or (b) above, submit the audited financial statement of the entity for its most recently completed year of operation, and interim financial statements for the period ending within six months of the filing of the application.)

4. MARKETING

This section is applicable if the proposed technical amendment results in an INCREASED COVERAGE AREA.

THIS APPLICATION IS NOT TO INCREASE OUR COVERAGE AREA.

4.1 As a basis for revenue calculations, please specify the following:

AVERAGE NUMBER OF COMMERCIAL MINUTES EXPECTED TO BE SOLD PER HOUR IN:	
1st YEAR:	
5th YEAR:	
ESTIMATED TOTAL WEEKLY REACH 1st YEAR, PEOPLE 12 YEARS +	
IN CENTRAL AREA:	

IN FULL COVERAGE AREA:	
ESTIMATED AVERAGE 1/4 HOUR RATINGS, CENTRAL AREA, MON - FRI, 1st YEAR (% Audience)	
06:00 - 10:00	
10:00 - 14:00	
14:00 - 19:00	
19:00 - 24:00	

4.2 Provide quantitative estimates of the population within the service contours, as well as an estimate of the population within the area to which the station's principal marketing activities are/will be directed:

	3 mV/m CONTOUR (FM) 15 mV/m CONTOUR (AM)	0.5 mV/m CONTOUR (FM) 5 mV/m CONTOUR (AM)	PRINCIPAL MARKETING AREA
Population: Present	10,592	13,867	10,592
Population: Proposed	11,500	17,500	11,500
Households: Present	4,414	5,833	4,414
Households: Proposed	4,792	7,361	4,792

4.3 Please identify the sources from which population data has been obtained.
Statistics Canada Census 2001 Community Profiles

4.4 Indicate to which of the communities the station's principal marketing activities will be directed.
Arnprior, Ontario

BOOK OF SUPPORTING DOCUMENTS

APPENDIX NUMBER AND NAME		APPENDED (Yes or No)	E-FILED (Yes or No)
SECTION 1: GENERAL INFORMATION			
1A	Supplementary Brief	YES	YES
SECTION 2: TECHNICAL INFORMATION			
2A	Maps - Proposed Coverage Contours	YES	YES
2B	Documentation Supporting the Availability of the Proposed Transmitter Site(s)	N/A	NO
SECTION 3: FINANCIAL OPERATIONS			
3A	Documentation Supporting Availability of each Source of Financing	N/A	NO

This document is available in alternative format upon request.
CRTC 128 (2004-04-19) - Radio - Technical Amendment (Analog)
version française disponible

End of Document

Appendix 1A

Supplementary Brief

Application for a Technical Amendment to a Broadcasting Licence for an Analog Radio Programming Undertaking – Arnprior, Ontario

This Technical Amendment is being submitted as a direct result of the application submitted by Corus Entertainment Inc. (2006-0593-3) requesting the use of 104.7 MHz in Gatineau, Quebec. This Amendment is being filed by MBC to alter the current Low Power FM licence in Arnprior to a protected Class A licence and to change frequency from 104.7 to 107.7 MHz. Currently, the Low Power FM at frequency 104.7 is utilized as a rebroadcast of CHMY-FM in Renfrew to the listeners of the town of Arnprior.

This original Low Power application came about as a result of coverage problems within the town of Arnprior from our Renfrew station CHMY-FM. Although the town of Arnprior falls within the 0.5 Mv/M area of the Renfrew facility there were areas within Arnprior that were having difficulty receiving the Renfrew signal. It is believed that this was the result of a large iron ore deposit in the area along with the topography of a portion of the town.

The Low Power solution resolved the coverage difficulties that were being experienced in Arnprior; however, as a Low Power facility the licence is also unprotected. If the application from Corus Entertainment Inc. is approved by the CRTC, the Gatineau licence would eliminate the effectiveness of the Low Power 104.7 that is currently being utilized by MBC and the listeners in Arnprior would be back to square one without a local radio service.

Since signing on CHMY-FM, MBC has been serving the Renfrew/Arnprior area with local news, weather and sports for both communities and, in spite of the original intermittent signal in portions of Arnprior; there were many dedicated Arnprior listeners. A number of Arnprior residents, including Municipal Council, had asked that something be done to improve the situation with the signal.

Listenership is continually increasing due, not only, to the installation of the rebroadcast facility, but also, the additional resources MBC has dedicated to adding more news and information from the community. The long-term intent of MBC is to develop the Arnprior Radio market such that a 'stand-alone' FM service becomes financially viable. When this occurs, MBC would dedicate further resources to the community in establishing a studio in the community and developing Arnprior specific programming. The rebroadcast facility has only been on the air for 8 months, which has not been long enough to make such a move viable. It should be pointed out that MBC is a small,

independent broadcasting company with limited resources and that the Arnprior undertaking has utilized an inordinate percentage of these resources.

The application by Corus Entertainment Inc. to utilize frequency 104.7 in Gatineau will effectively eliminate the current service to the residents of Arnprior. In order to address a potentially chronic difficulty of maintaining a 'low-power' option for Arnprior, it has become evident that MBC will need to move this service to a Class A, protected licence. Technical analysis has determined that the best frequency to accommodate this situation is 107.7.

It is with community support that we make this Technical Amendment that is designed to simply provide the Arnprior residents a protected FM signal in order for them to continue to receive the local information that we are currently providing, well into the future.

ENGINEERING BRIEF

**NEW FM STATION
ARNPRIOR, ONTARIO**

CHANNEL: 299 A

FREQUENCY: 107.7 MHZ

EFFECTIVE RADIATED POWER: 1000 W

EFFECTIVE HEIGHT ABOVE
AVERAGE TERRAIN: 45.5 M

APPLICANT: MY BROADCASTING CORPORATION (MBC)

CONSULTANT: D.H. MACAULAY, P. ENG.

AUGUST 2006

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APPENDIX I: SUMMARY OF EQUIPMENT

FIGURE 1:	PROPOSED FM TRANSMITTER SITE AND 100 DBU CONTOUR
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SUMMARY SHEET

Applicant:	My Broadcasting Corporation (MBC)
Station Location:	Arnprior, ON
Station Call Sign:	NEW
Antenna Co-Ordinates:	N. Lat. 45° 25' 24" W. Long. 76° 20' 42"
Transmitter Power:	1000 w.
Line Efficiency:	66.7%
Antenna Power Gain:	1.5
Effective Radiated Power:	1000 w.
Polarization:	Circular
EHAAT:	45.5 m.
Channel No.	299
Frequency:	107.7 MHZ
Class of Station:	A (with limitations)
Modes:	Stereo Unattended

ENGINEERING BRIEF

NEW FM STATION ARNPRIOR, ONTARIO

I. INTRODUCTION

D.H. Macaulay, P. Eng., has been retained by MBC to prepare this engineering brief in support of an application for a new FM station at Arnprior, Ontario.

II. DISCUSSION

MBC has a re-broadcaster of CHMY-FM Renfrew operating on 104.7 LP (CHMY-FM-1) in Arnprior. It was always planned to upgrade this to a free-standing station with a local studio (albeit with some feed of program material from other facilities in the MBC network) in the future, but unfortunately the award of 104.7 to Corus for an Ottawa station has necessitated the proposed revision of operation at an earlier date than originally planned.

Due to the dearth of useable frequencies in the area, this application is based on the following proposed changes to the allotment plan:

- (a) Remove the Fort Coulonge allotment on Ch. 299A (107.7 MHz) from the plan, thereby permitting its use in Arnprior.
- (b) Provide a partial replacement for Fort Coulonge in the form of Ch. 298A (107.5 MHz), limited to 1.5 kw. at 100m., short-spaced domestically, and located at the co-ordinates of the village of Fort Coulonge, viz. 45 50 30 N, 76 44 30 W.

This change is considered to be reasonable in that Fort Coulonge already has one radio station (CHIP-FM), and there never was an allotted channel for Arnprior.

The proposed antenna site is the same as the existing re-broadcaster, on the Arnprior water tower, for expediency. However, it is planned to relocate to a nearby new tower in future.

III. INTERFERENCE ANALYSIS

Ch. 299 A is a "drop-in", as no allotted channel is available. The following short spacings have been identified relevant to this proposal:

Call/Location	CBCK Kingston, ON	CFTX Buckingham, QC	AL (Proposed) Fort Coulonge	CKDJ Ottawa, ON
Channel/Class	107.5 C1	107.5 A1	107.5 A (lim)	107.9 A1
Latitude	44 17 22	45 35 18	45 50 30	45 21 00
Longitude	76 28 50	75 24 46	76 44 30	75 45 30
Distance (km)	126.4	75.1	55.8	46.7
Azimuth (deg)	185	76.2	326.6	100.3
Distance to protected (km)	86	18.5	24*	10**
Distance from Proposed (km)	40.4	56.6	31.8	36.7
Specific HAAT (m.)	30	64	67.5	56
E/kw (dbu)	39	39	48	46
Permissible Intf. (dbu)	48	48	50*	48
Permissible Rad. (dbk)	9	9	2	2
Proposed Rad. (dbk)	0	0	0	0

* Unoccupied allotment

** CKDJ is effectively limited to existing parameters by aviation consideration.
The maximum extent of its 0.5 mv/m contour is 10 km.

From the above analysis, it can be seen that no objectionable interference will be caused to any short-spaced assignment or allotment (including I.F. related assignments on 96.9 and 97.1 MHz).

Received Interference

Calculations show that interference may be received from two potential sources, viz.

1. CBCK Kingston on 107.5 C1
2. Proposed AL Fort Coulonge on 107.5 A

The interference-limited areas are shown on Figure 2. The applicant acknowledges that it may not be possible to deliver a satisfactory service within these areas, possibly in the future.

IV. ASSUMPTIONS AND SOURCES OF INFORMATION

- (a) Canadian and U.S. allotments and assignments from the Industry Canada web site.
- (b) Agreement between the governments of Canada and U.S.A. relating to the FM Broadcasting Service and the Associated Working Arrangement – February 1991.
- (c) Broadcast Procedures and Rules Part III.

V. EQUIPMENT DETAILS

The proposed transmitter will be an I.C. type-approved model, to be run at 1000 watts.

Suitable measuring and monitoring equipment will be used or available. Details will be provided following implementation.

The R.F. connection from transmitter to antenna will be by 1/2 inch heliax, estimated efficiency 66.7% (length 60 m. approximately).

VI. DESCRIPTION OF THE ANTENNA SYSTEM

(1) The transmitter and antenna will be located at:

45° 25' 24" North Latitude
76° 20' 42" West Longitude

(2) Overall height of support structure:

59 m. above ground
159 m. above mean sea level

Average elevation of terrain:

109.5 m. above mean sea level

Elevation of radiating centre:

55 m. above ground
155 m. above mean sea level
45.5 m. above average terrain

This information is presented on Figure 4.

(3) The proposed antenna will be a 3 bay ring type, side mounted, non-directional, gain 1.5 over a dipole, circularly polarized. The vertical pattern is shown on Figure 5.

VII. HARMONIC INTERFERENCE

The second harmonic of Ch. 299 – 107.7 MHz falls on TV Ch. 13. CJOH-TV Ottawa serves Arnprior with a Grade B contour, thus it is acknowledged that special attention may be required in regard to emitted second harmonic.

VIII. INTERMODULATION

Due to the absence of other FM stations nearby, this is not an issue.

IX. INTERFERENCE TO OTHER RADIO SERVICES

There are other radio services located on the proposed tower, and the subject of possible interference is covered in agreements with the owner.

Should any other services be involved, the applicant agrees to resolve any valid complaints of interference, bearing a fair share of any costs involved.

X. COVERAGE CONTOURS

The estimated 3 and 0.5 mv/m coverage contours are shown on Figure 2.

The location of these contours was determined using the latest F (50,50) curves from Industry Canada.

The calculations may be summarized as follows:

Radial	Azimuth (deg.)	Average Terrain (m.)	H.A.A.T. (m.)	E.R.P. (dbk.)	Distance to Contours (km.)	
					3 mv/m	0.5 mv/m
1	0	105.5	49.5	0	7.5	18.5
2	45	77.5	77.5	0	9.5	23
3	90	97.5	57.5	0	8	19.5
4	135	102.5	52.5	0	8	19
5	180	143	12	0	3.5	9.5
6	225	140	15	0	4	10
7	270	128.5	26.5	0	5.5	13
8	315	81.5	73.5	0	9	22.5

Effective height above average terrain (EHAAT) = 45.5 m.

Effective Radiated Power was calculated as follows:

$$\begin{aligned} \text{E.R.P.} &= \text{Transmitter Power} \times \text{Line Efficiency} \times \text{Antenna Gain} \\ &= 1000 \times 0.667 \times 1.5 = 1000 \text{ w.} \end{aligned}$$

The estimated 115 and 100 DBU contours are shown on Figure 1. The estimated population within the 115 DBU contour is zero.

Estimates of population within 100 DBU, 3 and 0.5 mv/m contours will be provided directly by the applicant.

XI. R.F. ENERGY EXPOSURE

Calculations show that this factor is far too low to be of concern at ground level. Proper precautions will be taken for workers on the water tower.

XII. INTERFERENCE TO AERONAUTICAL FACILITIES

No calculations have been made in this regard.

XIII. EXPIRY DATE

In the event that this brief has not been submitted to Industry Canada within three months of the date below, it should be returned to the consultant for possible revision prior to submission.

XIV. QUALIFICATIONS

The qualifications of the undersigned are on file with Industry Canada, Ottawa.

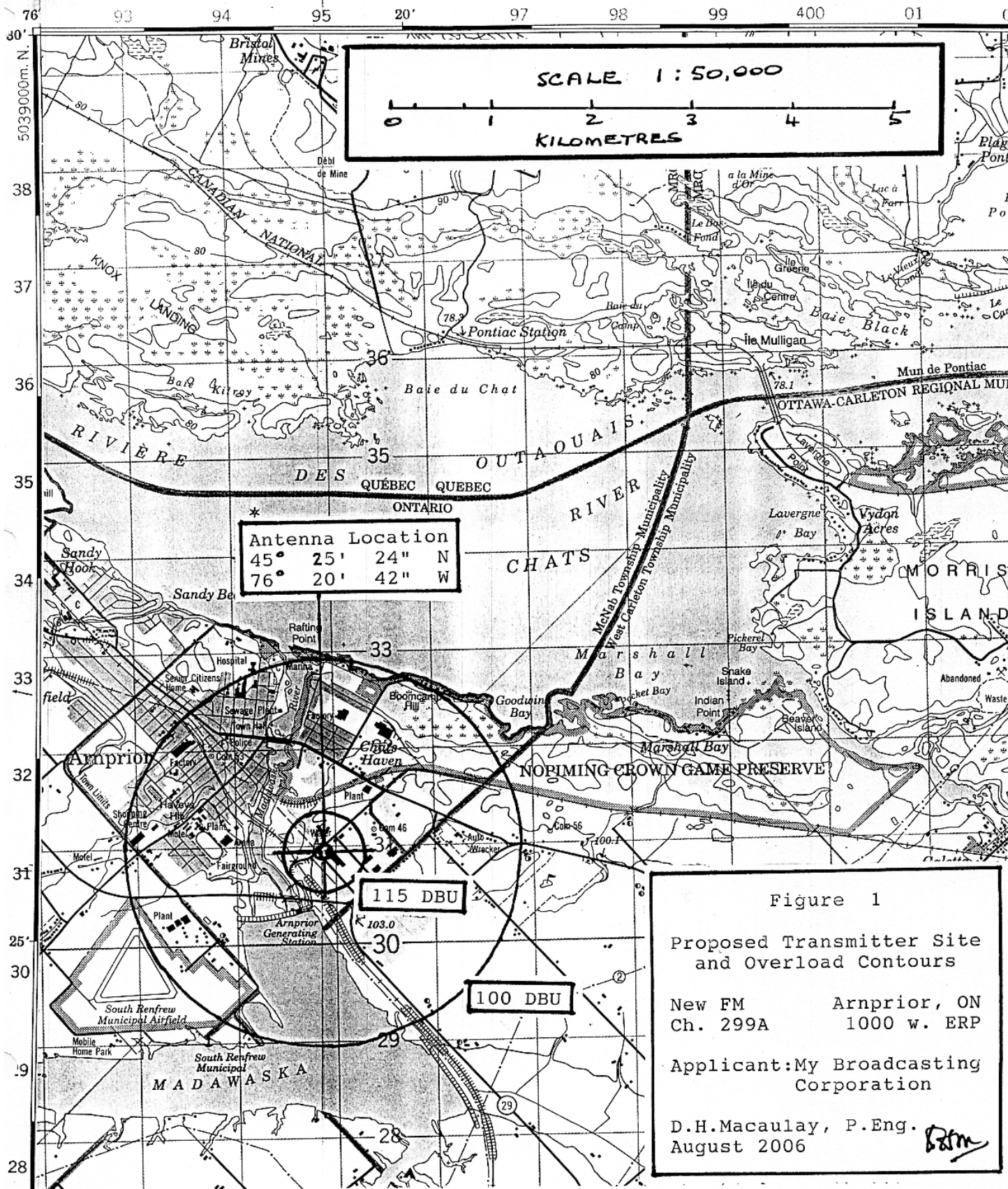


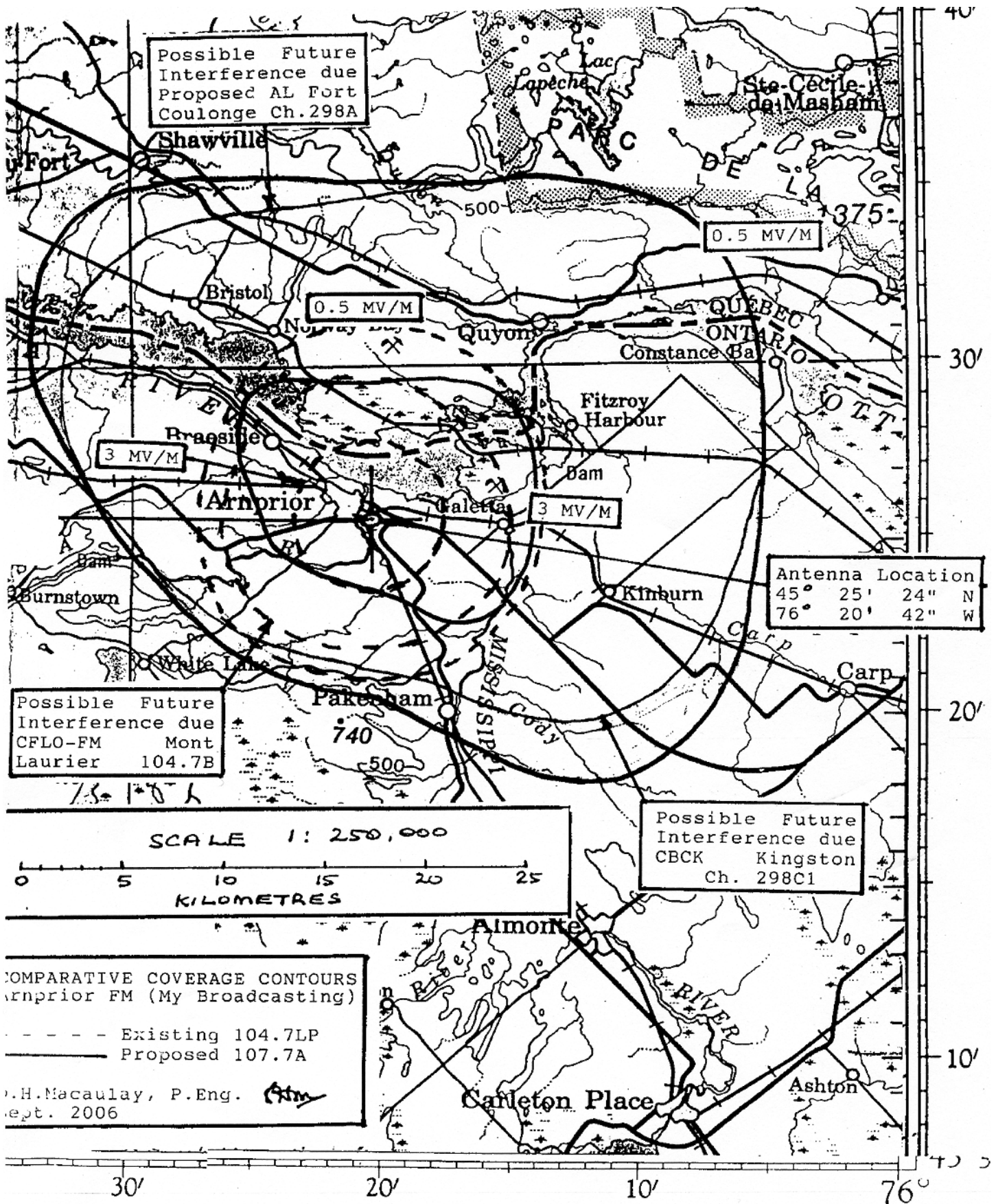
D.H. Macaulay P. Eng.
D.H. Macaulay, P. Eng.
Broadcast Engineering Consultant

04 August 2006
Date

APPENDIX I**SUMMARY OF EQUIPMENT**

Antenna:	3-bay, circularly polarized, side mounted, ring-type, non-directional. Gain 1.5 over a dipole.
Tower:	Existing water tower, where LPFM antenna is mounted.
Transmitter:	I.C. type-approved model, to be run at 1000 w.
Transmission Line:	1/2 inch air heliax, length approximately 60 m.
Program Feed:	Telco lines or STL from studio in Arnprior.





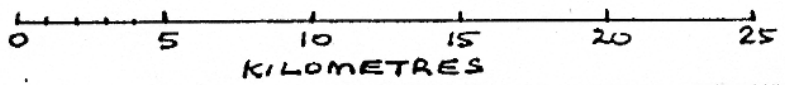
Possible Future Interference due Proposed AL Fort Coulonge Ch.298A

Antenna Location
 45° 25' 24" N
 76° 20' 42" W

Possible Future Interference due CFLO-FM Mont Laurier 104.7B

Possible Future Interference due CBCK Kingston Ch. 298C1

SCALE 1: 250,000



COMPARATIVE COVERAGE CONTOURS
 Arnprior FM (My Broadcasting)

--- Existing 104.7LP
 — Proposed 107.7A

D.H. Macaulay, P. Eng. *(Signature)*
 Sept. 2006

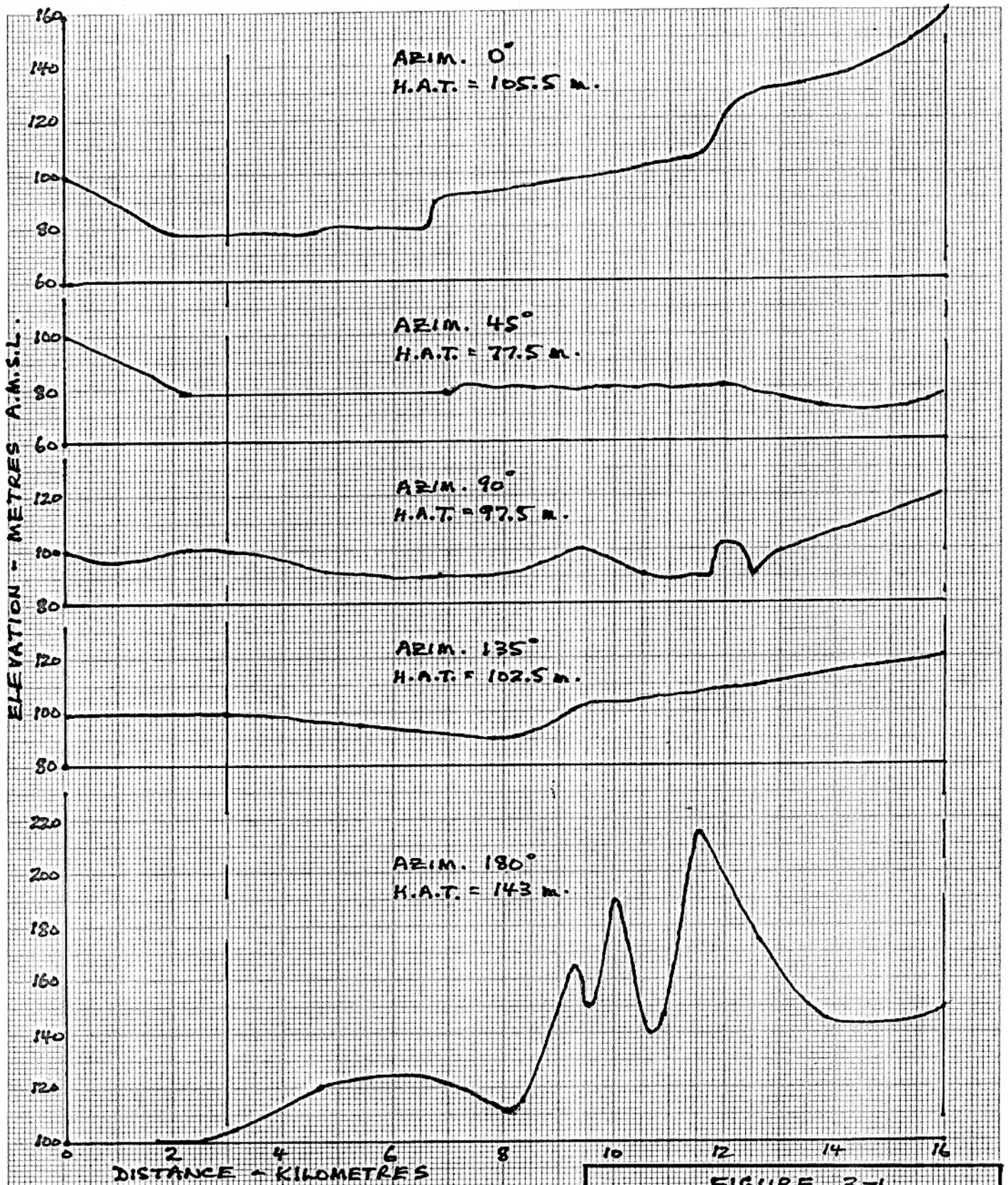


FIGURE 3-1
 TERRAIN PROFILES
 NEW FM ARNPRIOR, ON
 CH. 299A
 D.H. MACAULAY, P. ENG
 AUG. 2006

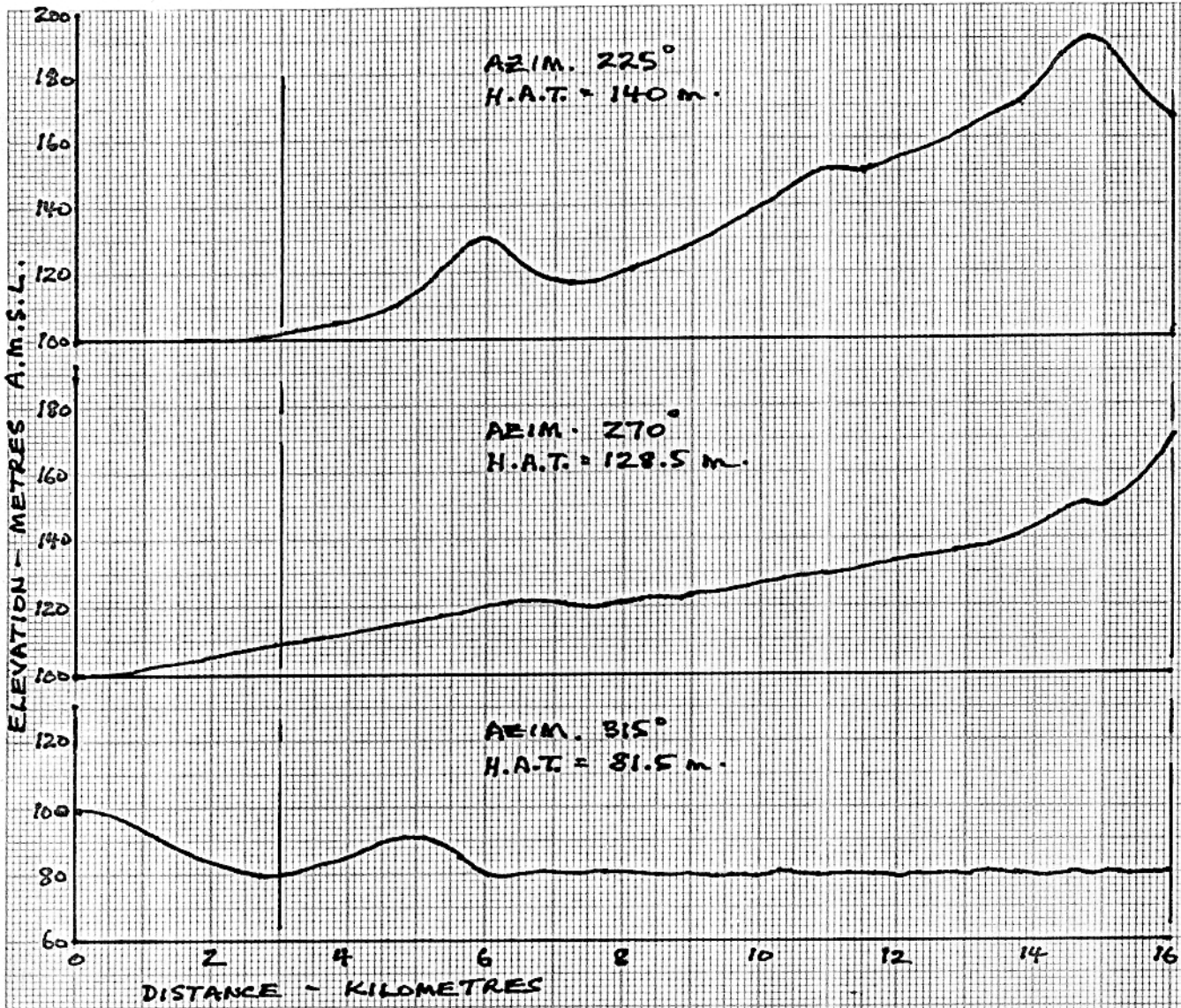


FIGURE 3-2
 TERRAIN PROFILES
 NEW FM ARNPRIOR, ON
 CH. 299A
 D.H. MACAVLAY, P. ENG. *DHM* AUG. 2006

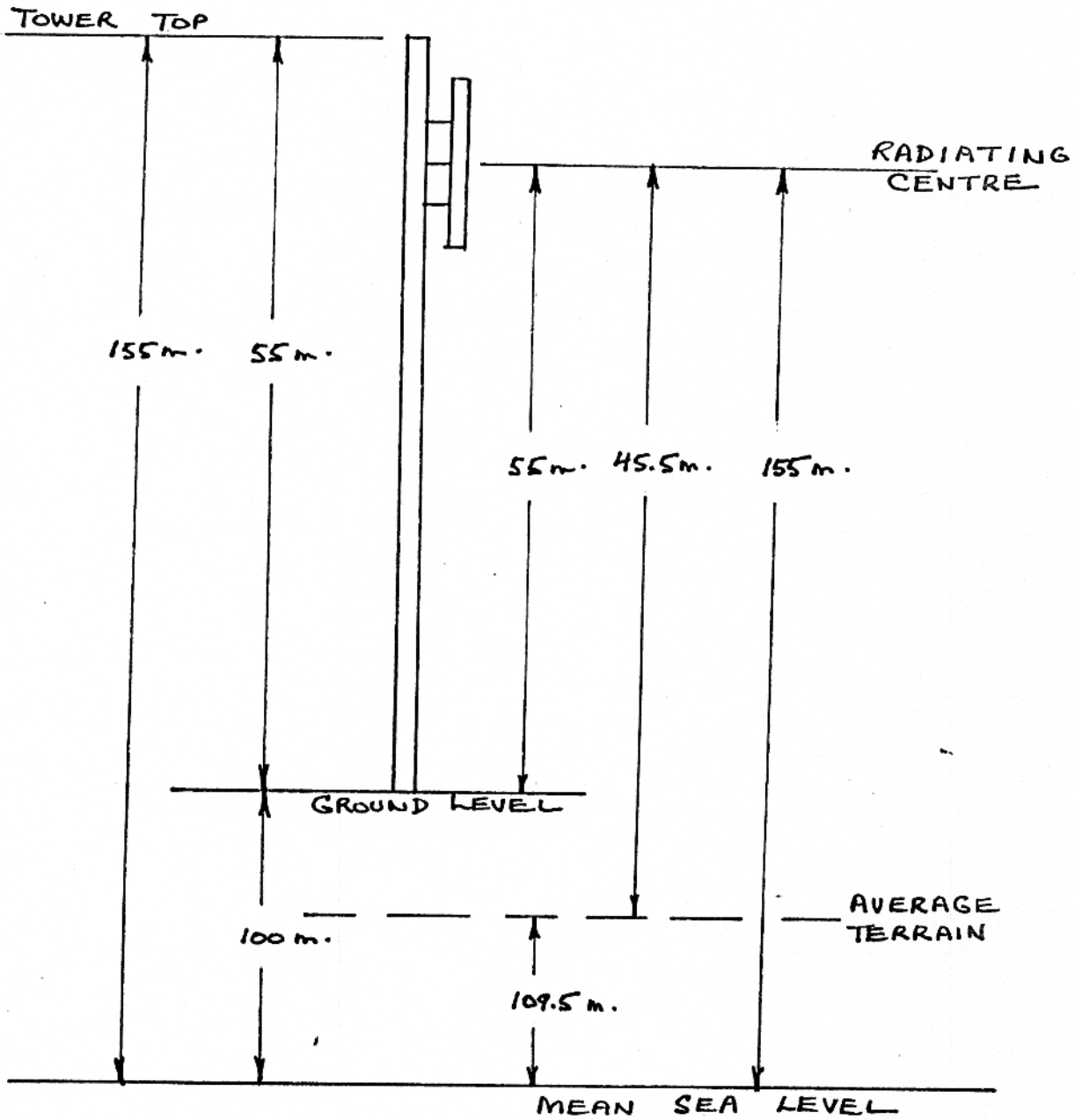


FIGURE 4
TRANSMITTING ANTENNA ELEVATIONS
 NEW FM ARNPRIOR, ON
 CH. 299A 1.0 KW. E.R.P.
 D.H. MACAULAY, ENG. *DHM* AUG. 2006

3 BAY RING TYPE ANTENNA

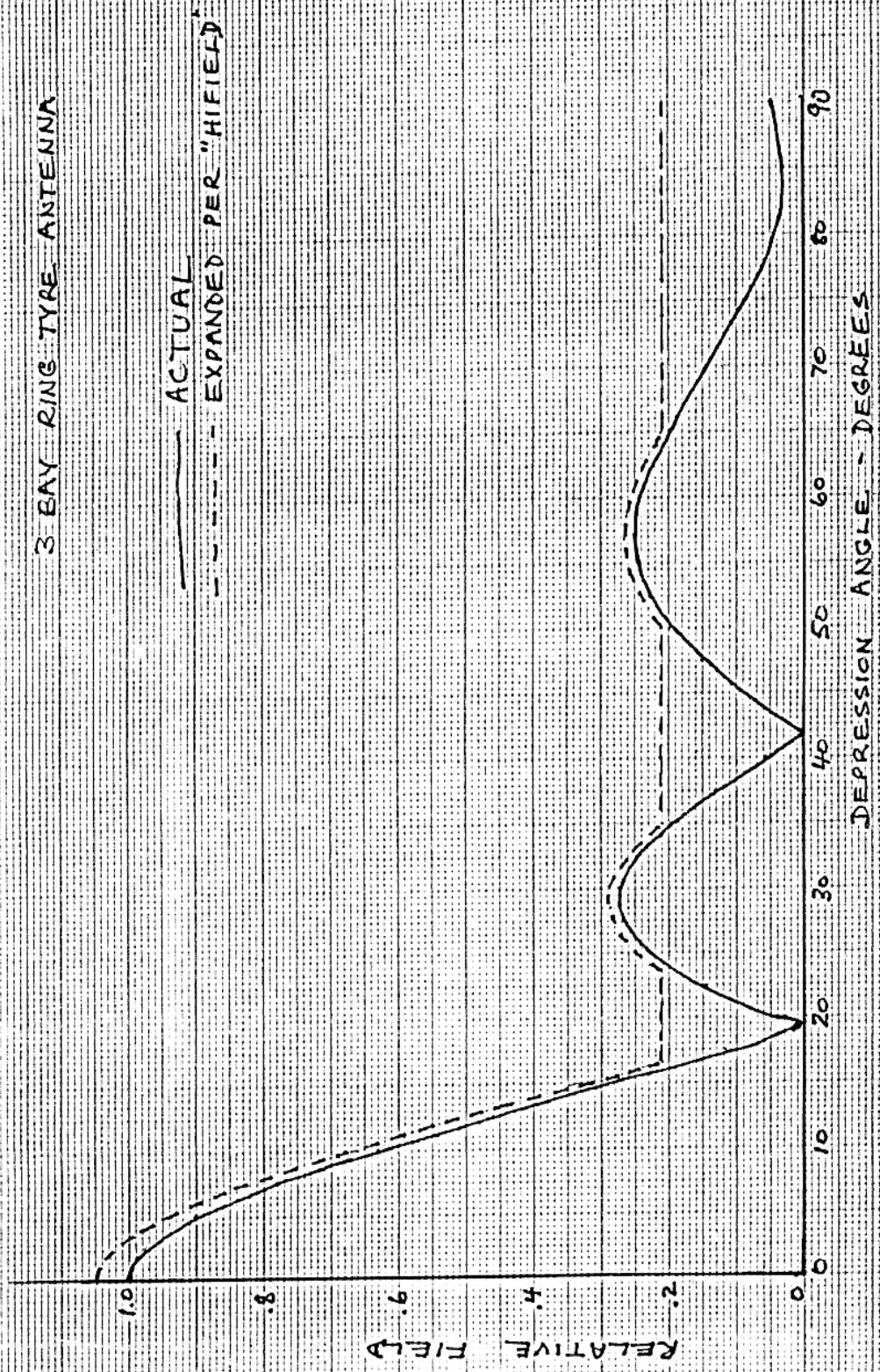


FIGURE 5

PROPOSED VERTICAL PATTERN
NEW FM ARNPAIDR, ON
CH. 29.9A
6TH
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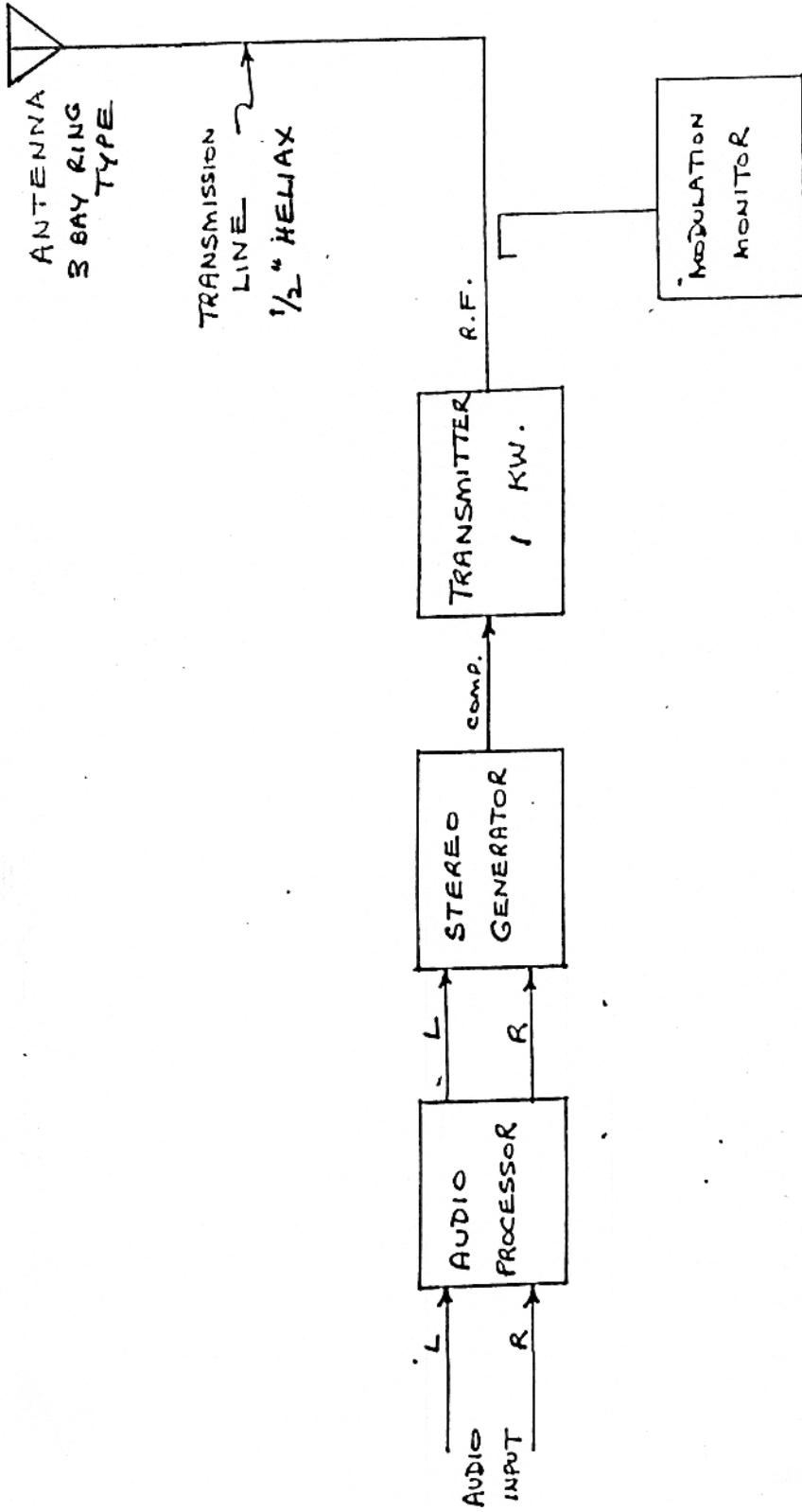


FIGURE 6
BLOCK DIAGRAM - TRANSMITTING EQUIPMENT
NEW FM ARNPRIOR, ON
CH. 299A 1.0 KW. E.R.P.
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